

ME-77 VOLT-OHMMETER



ME-77/URM-105C VOLT-OHMMETER, handy portable meter in ruggedized plastic case has 0-10-100-1000 VDC (20K /v) and VAC (1K /v) ranges; resistance 0-2K-20K-200K-2M-20M ohms. Response 30 Hz-10 KHz; has 3.5" dia FS-50 microammeter. Possible measurements to 100 amps DC using MX-1471 shunt and to 50 KV DC using MX-2005 multiplier (neither available). Requires two AA batteries (not included) for X1-X10-X100 ohms scales; 22.5 VDC battery (not available) for X1K-X10K ohm scales. With test leads and alligator clips; 6.6x4x3.3, 3 lbs sh. Unused, \$22.95

ZENITH CRT

12" DIAGONAL GREEN VIDEO DISPLAY, p/o Heath/Zenith H/Z-100 microcomputer; includes MN1210P31AU CRT and PC board with adjustable Focus, Brightness, Vert-Size, and Width. Requires 12 VDC and external vert- & horiz-synch. No frame or AC supply. 13 lbs sh. #DJ12NK4, NEW, \$12.95



1 KW COLLINS COUPLER



CU-714/SRA-22 AUTOMATIC ANTENNA COUPLER, Collins 180T-2; operates from common 115 VAC 50-60 Hz power; and usable with 2-30 MHz transmitters having 500 watts average output or 1 KW PEP.

50 ohm input impedance; matches 35 ft whip antenna or 35 ft min. long-wire. Major components motor-driven vacuum capacitor UC5L-465-5, variable ribbon inductor, and blower in cast aluminum cabinet with large lead-in insulator on rear. Originally used with separate control unit (not available). DC output provided for monitoring capacitance and inductance. 11.5x18.9x20, 46 lbs. Used-complete, but not checked, \$149.50 MANUAL, part-repro, \$12. SCHEMATIC only, \$4.

CU-714 "AS-IS" LESS CABINET, some units of above antenna coupler available "damaged" with broken connectors and external corrosion. Because less cabinet, they are less blower and lead-in insulator. "As-is" units have good UC5L-465 & ribbon inductor. 8x6.8x.5, 18 lbs sh. #CU714-DLC, \$99.50

1 KW POWER AMPLIFIER



T-605/ARC-58 TRANSMITTER, functions as 1 KW nominal PEP (400 W PEP AM-SSB-Tone) 2-29.999 MHz linear amplifier when used with R-761/ARC-58 receiver which supplied 0.2 watt PEP input drive. Will operate as 1 KW linear with any 0.2 W input.

Two stages of amplification using three 4CX250 tubes in P-A and tuned by servo amplifiers and motors. T-605 requires some frequency band information from a separate control box or panel that operator must provide. Also requires 115 V 400 Hz 3 phase for power supply which has output 2000 VDC 500 MA, 400 VDC, 27.5 VDC, 6.3 VAC, -40 to -80 VDC and 115 V 400 Hz 1 O for servo motors. With tubes 2/6CL6, 5896, 3/4CX250. 7.8x10.25x24, 55 lbs sh. Used, \$325.00 Connector for T-605/ARC-58, \$5.00 SCHEMATIC for T-605, \$4.00 w/set purchase.

C-3141/TRC-75 CONTROL BOX for T-730/TRC-75, ground version of T-605 above. Provides On/Off, Channel and Mode selection, Gain control for the receiver and transmitter units of the TRC-75 system and appears to be usable with ARC-58 equipment. (Control box schematics essentially the same.) Requires 27.5 VDC. 5.3x5.8x7.8, 6 lbs. Used, \$29.95 CONNECTOR for C-3141 control, \$5.00. SCHEMATIC for C-3141 or C-1939/ARC-58, \$2 ea



40 FT ALUMINUM MAST SET



AB-86/GRA-4 ANTENNA MAST GROUP, portable set forms 40 foot mast when the sixteen AB-85 36"Lx1.6" dia mast sections are stacked. Also includes 4 each guy ropes MX-381 (40'), MX-382 (31'), MX-383 (50'); 5 ea guy stakes and MX-378 guy rings; plus 1 ea MX-384 insulator base, AB-154 swivel mast base, MX-516 140' halyard, CP-12 counterpoise, HM-1 hammer, W-128 wire, and MX-857 adapter which allows additional 15 ft of height by use of HS-116-117-118 mast sections (not supplied). Set is contained in MX-1116 frame. 85 lbs sh (UPS in 2 pkgs). Used=excellent. \$125.00

ROLLER INDUCTORS



PLATE ROLLER INDUCTOR, 26 turns #16 GA silver-plated wire 3.75"L x 2" dia coil for 14.5 uH max inductance. Has 115 VAC 400 Hz motor/rate generator (will run on 26 V 60 Hz) and 20K ohm multi turn pot geared together

in feedback system. Shaft on inductor can be adapted to direct-drive operation. O/a 6.75x4x5, 3 lbs. #L13/ARC-58, used, \$36.95

L5 ROLLER INDUCTOR, part of input tuning of ARC-58; 26 turns #18 silver-plated wire 2"L x 1.125" dia coil for 8.4 uH max inductance. Has 115 V 400 Hz motor/rate generator (runs on 26 V 60 Hz) and 20K pot in feedback system. 3/16" dia shaft adapts to direct-drive. O/a 6x3 x4.75, 3 lbs sh. #L5/ARC-58, used, \$16.95



TRANSFER OSCILLATOR



HEWLETT PACKARD 2590B TRANSFER OSCILLATOR, usable with HP-5245L frequency counter with 5253B plug-in (page 30, WS-87 Catalog) to extend counter's range to cover 500 MHz to 15 GHz. Phase-locking allows measurements equal to the external time base used. Fundamental freq range 240 - 390 MHz; internal 10 MHz reference. Also automatic search oscillator, AGC, FM discriminator, and envelope detector for FM deviation measurements. 16.8x3.5x16.3, 28 lbs. Used-repairable \$250.

200 A TAP SWITCH



ELECTRO-SWITCH 2-POLE 4-POSITION TAP SWITCH rated 200 amp 500 VAC / 250 VDC. One pole "makes" circuit in positions 1 & 2; other pole "makes" in 3 & 4. 9.5x6.5x7.5 16 lbs. #ES127401A, NEW \$19.95

RG-213 & RG-214 COAX



High quality coax lengths which substitute for popular RG-8 cable. Each with type "N" connections; unused AT&T surplus; #RG 213-15, 15 ft. length of RG-213; 5 lbs sh. \$8.95 ea, 2/816 #RG 214-45, 45 ft. of RG-214 with silver-tinned conductor and double shield for superior performance; 15 lbs. \$24.95 ea, 2/845.

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XMIT TUBE SOCKETS



TRANSMITTING TUBE SOCKETS, popular types for popular tubes; used and new as noted: JOHNSON 209/210, large ceramic 4-pin for 811, 866, 3B28, etc.; 1 lb. Used, \$3.00 JOHNSON 237, ceramic 7-pin f/813. NEW, \$5. JOHNSON 275, ceramic 5-pin for 4-125A, 4-400A, and 3-500Z. Used, \$8.00 ea JOHNSON 112-215-2 silver-plated socket w/ chimney and 1100 pf screen grid bypass capacitor for 4X150/4CX250. Used, \$15.00

TUBE SPECIALS

RCA 813, 100 W, unused \$24.
RCA 3B28 RECTIFIER, unused-pull-outs, \$8.00 each
4CX250R/7580, ruggedized 4CX250B, used-checked \$36.
WE-310A used-checked \$7.50
NL8031/5031 NIXIE, new, \$16.
1N1150 SOLIDSTATE replaces 5Z3-80-82-83, \$8.
1N1237 SOLIDSTATE replacement f/3B28, \$13.



DOORKNOB CAPACITORS



CENTRALAB 850-SERIES 7.5 KV CAPACITORS designed for RF applications. Each 0.75" dia x 0.5" H; 5% NPO. Used, \$3 ea 2 for \$5. Specify: 10 pf, 25 pf, 50 pf, 75 pf, or 100 pf. Centralab 858, 1000 pf 7.5 KV, \$4.00 ea

HV CAPACITOR ASSEMBLY, two cylindrical capacitors on bracket which is marked "500 pf, 15 KV WDC." These are not Centralab and may not be suitable for RF. However, should be useful for the high voltage experimenters! 2x3x2.3, #CAP-500-15KV, NEW \$2.25 ea, 3/\$5.

JOHNSON DESK MIC



We've bought more of these popular BASE STATION MICS made by Turner for E. F. Johnson. Has built-in preamp and large push-to-talk button. We've had to increase their price but now they include an installed cord and 5-pin connector. Black cast metal; 9 VDC required for preamp. 9.3"H, 3.8x6 base; 3 lbs sh. #JHNSN-DM-87, unused, \$19.95

GM MOBILE MIC



GM DELCO MICROPHONE for mobile communications; black with push-to-talk button switch, coil cord, and 5-pin male connector. Mic 3.3x2.3 x1.8, 2 lbs sh. #GM-DEL-MIC, NEW, \$7.95 ea

COPPER HOOK-UP WIRE

Vinyl-covered hook-up wire, all stranded copper; no color choice. May not have continuous lengths over 1000 ft.

#10	\$14/100'	\$100/1000'	
#14	\$6.50/100'	\$42/1000'	\$185/5000'
#16	\$4.50/100'	\$28/1000'	\$110/5000'
#18	\$3/100'	\$18/1000'	\$60/5000'
#20	\$2/100'	\$12/1000'	\$30/5000'

MODUTEC PANEL METERS

Nice contemporary 3"W x 2.25"H panel meters by Modutec for your power supply projects.

Buy individually or as matched set: NEW!
#MOD-25025-VD, 25-0-25 VDC, \$5.95 ea
#MOD-10010-AD, 10-0-10 amps DC, \$6.95
* Modutec MATCHED SET of above, \$11.00 *

WESTON 506 PANEL METER, 0-25 amp DC full scale; 2.5" round. Unused, \$7.95 ea

COMPAQ SWITCHERS

COMPAQ SWITCHING POWER SUPPLIES from the most successful IBM



PC clone; removed from equipment. *AS-IS, not tested* (but cheap!); \$5.95 ea, 2/\$10.
#COMP-PS-1982 from early portable; outputs +5, -5, +12, -12 VDC. 7.4x5.4x2.4, 3 lbs.
#COMP-PS-200W, later 200 W supply v/outputs +5, -5, +12, -12 VDC; 9x6x2.4, 2 lbs.

DC TO DC CONVERTER



ADTECH DC to DC CONVERTER UNIT, 28 VDC input produces 5 VDC 10 amp and +/-15 VDC 2 A output. Rugged modular style; 2.3x4.8x10, 5 lbs sh. Adtech #3DD5-15N, NEW \$14.95

12 VDC LAMBDA SUPPLY

LAMBDA DC REGULATED POWER SUPPLY, supposed-

ly a special cold environment (-40°C) version of LNS-P-12 with reduced output of 12 VDC +/-5% 5.0 amps @ 71°C from 120 VAC +/-10% 60-100 Hz input. Because schematic differences are minimal, we "loaded" the supply and found it to have nearly the same output as the standard LNS-P-12 output of 7.3 amp @ 71°C or 14 amp @ 40°C. Regulation 0.1%; screwdriver Voltage Adjust. Can be rewired for 215-254 VAC input; 11x4.9x4.4, 16 lbs sh. #LNSP12-8182, NEW w/book, \$45.00



DIODES & FILTER CAPS



DIODE & FILTER ASSEMBLIES removed from 1 KW transmitter. Usable as they are or for parts!

HV DIODE 3 PHASE "Y" BRIDGE from 2000 VDC supply. 6 submodules each with ten 1N1095 diodes & 5 capacitors series-parallel. 3.3x2.3x3.7, 2 lbs sh. #1540/ARC-58, \$6.00
INPUT FILTER SECTION has 31/ 1000 pf silver plated stud feed-thru capacitors plus 0.02 mf disc caps & chokes. Cheap feed-thru! 7.5x1.8x3.3, 2 lbs. #CFIL/ARC58, used, \$9.
0.02 MF 120 KV-WDC PLASTIC CAPACITOR, 17.5"H x6.3"x4.5", 18 lbs sh. Unused, \$150.

UHF MODULES

MODULES removed from R-540/ARR-40 265-284.9 MHz aircraft receiver. Experimental potential by themselves or together. Connector plugs and schematics included:



MAIN RECEIVER MODULE includes 20 CR-23 crystals for the twenty 1 MHz/step channels. Has 2 RF stages, Injection Osc. Injection Amp, Tripler, and HF Mixer. Mixer output 20.75 MHz; with tubes 3/6AK5, 2/5840, 6021. Requires 120 VDC; filaments need rewired for 6.3 V. 4.5x3x5. #RF-REC/R540, \$7.95

GUARD RECEIVER/ IF MODULE, single channel (238-248 MHz) xtal-controlled receiver with 1.85 MHz IF output from 20.75 MHz input. Tubes 2/5840, 3/6021. Requires 120 VDC; filaments need rewired for 6.3 VAC. 4.5x4.5x1.5, 4 lbs sh. #GUARD/R540, \$6.95

SET both #RF-REC/R540 & #GUARD/R540, \$10.

9.5 VDC ADAPTER



AURORA TOY WALL TRANSFORMER, changes 120 VAC to 9.5 VDC 350 ma output. b' cord with slide lugs; 2 lbs sh. #AUR-95V34VA, \$2.95; 2/\$5.00

CERVCO AC ADAPTER, 11.5 VDC 175 ma output; 6' cord w/o lugs. #CER-11.5V, \$2.50; 2/\$4.

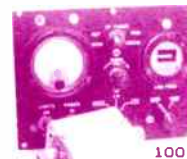
30-1000 MHZ RECEIVER

R-484/APR-14 AIRBORNE PANORAMIC SEARCH RECEIVER covers 30-1000 Mhz AM-FM in bands 30-210; 210-400 and 400-1000 Mhz; has 3" dia CRT for panor-



amic display of these signals. RF bandpass 6 Mhz @ 3 db points. Sensitivity: 11 uv max (30-100MHZ), 13 uv (100-300), 16uv (300-1000). Spurious response 45 db down; image reject 60 db down. IF attenuator 0-74 db in 6 db steps. CRT calibration +3 Mhz center freq; video response +1 db, 200 Hz-2 Mhz. 600 ohms audio; 46/ 7-.9-pin mini and octal tubes plus 3J1, 6F4, and 5678. Req 115 VAC 380-1000 Hz and 24 VDC 20 W. 8x15.5x20, 90 lbs. Used-repairable \$250; MANUAL repro \$15.

RF WATTMETER & COUPLER



RF WATTMETER with DIRECTIONAL COUPLER CU-987/ GRC-110A, p/o AN/TRC-75; designed for 100 and 1000 watt full scale readings. Directional coupler connects into RF line and provides four outputs:

100 and 1000 watts Forward and Reflected. Reverse function used 100 W range and Forward used 1000 W range in original configuration. Panel has 2.5" dia meter calibrated for 100 and 1000 watts. 5-reed 100-130 V 400 Hz freq meter, two SPST panel and two rotary switches and 150 ohm pot. With schematic. Panel 7.3x5.5x2.5, coupler 4x2.5x2; 4 lbs. #RFMTR/TRC75, used, \$24.95.

HS-16 HEADSET



HS-16A Headset, popular older communications type; 520 ohm (in series) input impedance and 100-1400 Hz response. Has adjustable padded HB-1 headband and 54" cord with two pin plugs. 3 lbs sh. Unused \$6.95.

R-390A R-392 R-648 PARTS

REPLACEMENT ASSEMBLIES & PARTS for the popular military receivers R-390A (A), R-392 (B), and R-648/ARR-41 (C). SPECIFY receiver type and chassis designations of parts!

----- ASSEMBLIES -----
AUDIO SECTION: \$18(A), \$30(B), \$15(C)
CRYSTAL CAL CHASSIS, \$30(B)
CRYSTAL OSCILLATOR (less crystals) \$20(A,B)
DYNAMOTOR POWER SUPPLY, \$20(C)
IF SECTION, CHECKED: \$150(A), \$35(B) \$90(C)
RF AMPLIFIER SECTION, \$15(C)
RF DECK, complete: \$140(A), \$95(B)
RF/IF TUNER LESS VFO, \$90(C)
RF OSC ASSY LESS CRYSTALS, \$15(C)
SPECTRUM GENERATOR, \$15(C)
VFO, (COLLINS): \$60(A,B), \$40(C)
VFO, (NOT COLLINS), \$40(A,B)

----- SMALL PARTS -----
ANT TRIM KNOB, small, \$1.25 ea (A,B,C)
AUDIO TRANSFORMERS, \$4.00 ea (A,B,C)
BAND XTALS \$10 ea (A,B,C); 5/#35 (f/one Rx)
BEAT FREQUENCY OSCILLATOR, \$15.00 (B)
COUNTER DIAL, \$15.00 (A,B,C)
HANDLES, per pair \$7.00 (A,C)
200 KHZ CRYSTAL, \$18.00 (A,B)
MECHANICAL FILTER 1.4 KHz, \$45.00 (C)
MECH FILTER 2 or 4 KHz(A), 6KHz(C), \$35 ea
MECHANICAL FILTER 8 KHz, \$27.00 (A)
MECHANICAL FILTER 16 KHz, \$20.00 (A)
MHz/KHz KNOB: \$6 (A), \$4 (B), \$5 (C)
PLUGS TO MAKE CORDS W/HOODS, \$6/PR (A,B,C)
RF, IF, AUDIO GAIN POTS, \$2.00 ea (A,B,C)
RF-IF-AUDIO KNOB mid-size, \$1.50 ea (A,B,C)
RF/IF TRANSFORMERS, \$8.00 ea (A,B,C)
SLUGS, \$3 ea (A,B,C); with SPRINGS, \$4 ea

SPARES CASE



CY-1031 SPARES CASE, originally used with GRR-5; space for 7- and 9-pin mini tubes, 4 GT-tubes, 2 vibrators, and fuses. Hinged w/faster; 3x9.8x4, 3 lbs. Used, \$4.

SCR-522 RADIO SET

100-156 MC

RECEIVER-TRANSMITTER AM, FOUR CHANNEL, CRYSTAL CONTROL, 30 WATT OUTPUT, 18 TUBES AS FOLLOWS: TRANSMITTER, 1/6SS7, 2/832, 3/12A6, 1/6G6. RECEIVER, 1/9002, 1/9003, 3/12A6, 1/12C6, 2/12AH7, 1/12H6 & 3/12SG7. BOTH UNITS CAN BE REMOVED FROM CASE SEPARATELY. OVERALL SIZE: 16x12x10-3/4" WT: 49 LBS. PRICE: USED \$29.95



RECEIVER CHASSIS ONLY, LESS CHANNEL SHIFTERS. PRICE: USED WITH TUBES \$14.95 NO TUBES

RECEIVER CHASSIS ONLY, LESS CHANNEL SHIFTERS. PRICE, USED, WITH TUBES \$14.95 NO TUBES \$7.95

TRANSMITTER CHASSIS ONLY, LESS CHANNEL SHIFTERS. PRICE, USED WITH TUBES \$18.95 NO TUBES \$7.95

BC-602 CHANNEL SELECTOR CONTROL BOX WITH PUSH BUTTONS. BC-602B USED \$1.95 BC-602D NEW \$2.95

NOTE: FOR THE MICROPHONE & PHONE CIRCUITS JACKS CAN BE INSTALLED IN THE BC-602

JB-29 JUNCTION BOX NEW \$2.95
AN-104 ANTENNA, METAL COVERED WOOD NEW 1.95
PE-98 DYNAMOTOR 12 VOLT USED 9.95
PE-94 " 24 " " 4.95

PLUGS REQUIRED FOR THE EQUIPMENT
SCR-522 RECEIVER-TRANSMITTER REQUIRES THE FOLLOWING PLUGS, PL-173 TO ANTENNA, PL-169 TO DYNAMOTOR, PL-170 TO JB-29 JUNCTION BOX. - \$1.50 EACH

BC-602 CONTROL BOX, REQUIRES FOLLOWING PLUGS, PL-169 TO JUNCTION BOX. \$1.50 EA.

PE-98 OR PE-94 DYNAMOTOR REQUIRES FOLLOWING PLUGS, PL-172 TO BATTERY, PL-171 TO RECEIVER-TRANSMITTER. \$1.50 EA.

JB-29 JUNCTION BOX, REQUIRES THE FOLLOWING PLUGS, PL-170 TO RECEIVER-TRANSMITTER, PL-169 TO BC-602 CONTROL BOX. \$1.50 EA.

RA-62 AC POWER SUPPLY FOR SCR-522, OPERATES FROM 115/230 VOLTS 60 CYCLE, SUPPLIES ALL THE NECESSARY VOLTAGES FOR OPERATION. SIZE: 16x11x11; WT: 75 LBS. PRICE USED \$39.50 REQUIRES PL-171 PLUG FOR HOOK-UP TO REC-TRANS PRICE \$1.50.

BC-733 RECEIVER 108.3-110.3 MC AM

AIRCRAFT RECEIVER USED FOR LOCATING RUNWAY ON LANDING FIELD DURING LANDING OPERATION SIGNALS RECEIVED BY RECEIVER FROM TRANSMITTER LOCATED ON RUNWAY ARE APPLIED TO CROSS-POINT INDICATORS IN THE AIRCRAFT AND SHOW IF PLANE IS OFF TO RIGHT OR LEFT OF RUNWAY. OPERATES ON SIX CRYSTAL CONTROL PRESET FREQ. COMPLETE WITH TEN TUBES: 1/12AH7, 2/12SG7, 3/717, 2/12SR7, 1/12SQ7 & 1/12A6. VOLTAGE REQUIRED; 24 VDC & 220 VDC 80 MA. WITH SCHEMATIC. SIZE: 13x5x7 WT: 17 LBS. PRICE: USED \$5.95 UNUSED \$7.95

I-101C CROSS POINT INDICATOR, USED \$1.95
PL-257 PLUG TO FIT I-101C 1.50

BC-732 CONTROL BOX USED \$1.95 NEW \$2.95
CABLE WITH PL-254 TO FIT BC-733 REC. AND PL-256 PLUG TO FIT BC-732 CONTROL BOX 3 FT. PRICE: \$4.95 PLUGS ONLY 1.3

DM-53 DYNAMOTOR 24 VOLT USED \$4.95 NEW \$6.95
DM-53 AZ " 12 " NEW 7.95
AS-27 RAMS HORN ANTENNA \$5.95
PL-284 TWIN COAX PLUG F/BC-733-AS-27 1.00

RECEIVER

R-11A RECEIVER 190-550 KC ONE BAND, 85 KC IF FREQ. WITH TUBES 2/14A7, 1/14S7, 1/14R7, 1/14F7 & 1/12A5 (14 SERIES TUBES ARE LOCAL FILAMENTS ARE WIRED FOR 12-14 OR 24-28 VOLTS, HIGH VOLTAGE REQ. 250 VDC 60MA. NO DIAL, DESIGNED FOR REMOTE USE BUT ITEMS LISTED BELOW CAN BE ADAPTED FOR LOCAL TUNING. SIZE: 6x5x11 1/2; WT: 10 LBS. USED \$7.95
BC-473 CONTROL BOX FOR LOCAL USE WITH ADAPTER WITH SET \$3.00 OTHERWISE \$4.00
SPIN TUNING KNOB FOR LOCAL USE #6743 \$1.00



ARC-3 100-156 MC

R-77/ARC-3 VHF AIRCRAFT TYPE AM RECEIVER, 8 CHANNEL CRYSTAL CONTROL ELECTRIC BAND CHANGE WITH TUBES 9001, 9002, 12A6, 12H6, WITH TUBES 9001, 9002, 12A6, 12H6, 12SH7, 12SL7, 2/12SN7, 3/12SG7 & 6/6AK5. VOLTAGE REQUIRED 24 VDC & 210 VDC 125 MA. SIZE: 11x7x15. WT: 21 LBS. W/SCHEMATIC PRICE: R-77/ARC-3 USED \$24.50
R-5009/ARC-502 24 CHANNEL USED \$24.95
PL-153 PLUG FOR FRONT OF SET \$ 2.50

T-67/ARC-3 VHF AIRCRAFT TYPE TRANSMITTER AM, 8 CHANNEL CRYSTAL CONTROL ELECTRIC BAND CHANGE, WITH TUBES 2/832, 2/6L6, 1/6J5, 3/6V6 & 1/12SH7. VOLTAGE REQUIRED 24 VDC & 410 VDC 325 MA. SIZE: 15x7x12 1/2. WT: 21 LBS. PRICE: RE-NEW WITH TUBES ...\$29.50

JB-68 JUNCTION BOX FOR ARC-3 RADIO SET USED TO MOUNT DYNAMOTORS DY-22 FOR REC & DY-21 FOR TRANS. ALSO HAS CONNECTOR PLUGS TO HOOK UP REC, TRANS, CONTROL BOX & POWER, & RELAYS. SIZE: 10x3x8 1/2. WT; 7 LBS. PRICE USED... \$7.95

CONNECTOR PLUG FOR EACH FACILITY \$2.50 EACH
C-118/ARC-3 CONTROL BOX FOR RECEIVER AND TRANSMITTER. HAS EIGHT PUSH BUTTONS FOR CHANNEL SELECTION AND ONE FOR OFF. SIZE: 6x3x7 WT: 2 LBS. PRICE: \$4.95
CONNECTOR PLUG U-16/U 2.50

IE-36 TEST SET FOR SCR-522 REPRODUCES THE OPERATING FUNCTIONS OF THE CONTROL BOX & JACK BOXES OF THE RADIO BY PROVIDING HEADPHONE & MICROPHONE, CHANNEL SELECTION PLUS ALL OTHER CONTROLS NECESSARY TO OPERATION AND TESTING. CONTROL UNIT BC-1303 PLUGS DIRECTLY INTO THE SCR-522 ALSO HAS PHANTOM ANTENNA & CORD, LAMP EXTRACTOR, ADAPTER PHONE CORD, INSTRUCTION BOOK AND CARRING CASE, 10x10x4; WT: 8 LBS. PRICE: NEW \$6.95

SCR-522 CABLES WITH PLUG ON ONE END AND LUG TERMINALS ON THE OTHER. EACH CABLE \$2.95
CX-58/VRC-1 PLQ-170 PLUG & LUGS, 36" LONG.
CX-60/VRC-1 PL-169 " " " 36" "
CX-62/VRC-1 PL-172 " " " 66" "

TRANSCIEVER

BC-745 AM TRANSMITTER-RECEIVER COVERING THE FREQ. RANGE OF 2-6 MC PHONE, WITH A RANGE OF FIVE MILES UNDER FAVORABLE CONDITIONS. CRYSTAL CONTROL ON TWO PRESELECTED FREQ. BY USE OF PLUG IN COIL & CRYSTAL ASSY. BC-746. THE SET SIZE IS 6x6x6 AND IS MOUNTED ON A 32" STAFF AND HOUSES THE TELESCOPING ANTENNA WHEN NOT IN USE. COMPLETE WITH TUBES, 1/1S5, 3/1T4 & 5/354 & ONE PLUG IN FREQ. ASSY. VOLTAGE REQUIRED 1.5 VDC, .5 A, 67.5 VDC/20 MA & 105-125 VDC/50 MA. WT: 10 LB PRICE: USED \$6.95

BC-746 PLUG IN COILS & CRYSTAL ASSEMBLIES CHANNEL #1 3010 Kc CHANNEL #2 5030 Kc CHANNEL #3 5500 Kc CHANNEL #13 5305 Kc ONE OF THE ABOVE SUPPLIED WITH PURCHASE OF SET, ADDITIONAL UNITS \$1.00 EA.

T-39 CHEST UNIT THAT WAS USED TO CARRY DRY CELL BATTERIES, ALSO HAS MICROPHONE, PHONE JACK AND NECESSARY CABLE FOR CONNECTING TO RADIO SET. PRICE: USED \$1.95 UNUSED \$3.95

PE-157 VIBRATOR POWER SUPPLY; OPERATES FROM 2 VOLT WET BATTERY BB-54 WHICH IS INSTALLED INSIDE THE CASE THAT SUPPLIES ALL THE NECESSARY VOLTAGES FOR OPERATION OF THE RADIO SET ALSO HAS 4" PM SPEAKER, CARRING HANDLE AND CABLE FOR CONNECTING TO SET. SIZE: 11x5x8 1/2 WT 17 PRICE: USED \$4.95 UNUSED \$6.95

AMPLIFIER

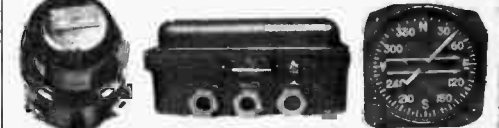
AN-203B/ARA-19 AMPLIFIER; PART OF REMOTE TUNING SYSTEM AS USED WITH ARN-6 RADIO COMPASS WHICH PROVIDES AN ACCURATE MEANS OF TUNING SET ELECTRICALLY. OPERATES FROM 24 VDC. WITH 2/26A7 TUBES AND 1/12SN7 TUBE, SIZE: 5x6x4 1/2; WT: 6 LBS. PRICE: RE-NEW \$8.95



COMPASS RECEIVER

AN/ARN-7 RADIO COMPASS RECEIVER 100 TO 1750 KC USED FOR AIRCRAFT DIRECTION FINDING BUT CAN ALSO BE USED ON BOATS. THE RECEIVER IS A SUPERHETERODYNE WITH ADDITIONAL CIRCUITS FOR OPERATION OF THE AURAL RECEPTION AS SHOWN ON THE INDICATORS. COVERS THE FREQUENCY RANGE OF 100 TO 1750 KC IN FOUR BANDS CONTINUOUS TUNING FROM CONTROL BOX WHICH IS A SEPARATE UNIT. UNIT OPERATES FROM 115 VOLT 400 CYC & 24 VDC AND IS COMPLETE WITH TUBES 4/6K7, 1/6L7, 1/6J5, 2/6B8, 2/6F6, 1/6N7, 1/5Z4, 1/6SC7 & 2/2051. SIZE: 12x8x19; WT 45 LBS. R-5/ARN-7 RECEIVER ONLY, USED \$18.95

ITEMS LISTED BELOW ARE REQUIRED FOR ADF OPER.
C-4/ARN-7 CONTROL BOX USED \$3.95 NEW \$5.95
I-8/A INDICATOR 3" USED \$3.95 RENEW 4.95
I-82A " 5" USED 7.95
LP-21 AM LOOP ANTENNA " 9.95
FT-224 MOUNTING F/C-4CB " 1.50
MG-149F INVERTER " 24.95
MC-203 SHAFT COUPLING "T" " 1.00
MC-136 SHAFT " RT/ANGLE 2.50
BK-22 RELAY JUNCTION BOX " 2.95
MC-124 FLEXIBLE SHAFT 2 FT. 1.50
CD-365 CABLE FOR LOOP 5 FT. 2.75
PL-122 CONNECTOR PLUG FOR RECEIVER 2.50
PL-112 " " LOOP 2.50
PL-118 " " " I-81 OR I-82 2.50



REMOTE READING MAGNESYN COMPASS SYSTEM AIRCRAFT TYPE. CONSISTS OF A MAGNESYN COMPASS THAT TRANSMITS TO A 3" INDICATOR THAT IS CALIBRATED IN DEGREES--N-S-E-W AND IS OPERATED BY THE 12 VOLT D.C. INVERTER THAT IS SUPPLIED WITH THE SET. SHPG. WT: 15 LBS. PRICE WITH TRANSMITTER, INDICATOR, INVERTER AND MANUAL ... \$39.95
REMOTE READING MAGNESYN COMPASS SYSTEM WITH TRANSISTORIZED POWER SUPPLY.....\$49.50

MN-40 INDICATOR CONTROL BOXES 0-360 DEGREE \$2.6C
SCALE 5" W/ N-26C \$3.95 EA.
VAR. ADJ. R PLUGS \$2.50
SAME AS INDICATOR Bx \$2.50
OPERATES WITH PL-155
LY INSTALLED ON HEA PL-155 \$1.50
AS USED ON MC-124 \$2.8 \$3.00

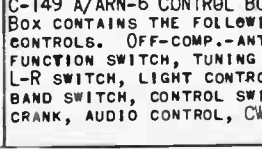
RADIO COMPASS

RA 101A/ARN-6 RADIO COMPASS WITH A FREQUENCY RANGE OF 100-1750 KC IN FOUR BANDS. COMPLETE WITH TUBES 6/12SK7, 4/6X7, 1/12SY7, 1/12SN7, 2/6A7, 2/2050. OPERATES FROM 26.5VDC. WT. 35Lb SIZE: 11x7x15 1/2 PRICE: \$39.50


AS-313/ARN-6 LOOP ANTENNA WITH MOTOR AND AUTOSYN TRANSMITTER. USED WITH ARN-6 RADIO COMPASS. OPERATES FROM 26 VOLTS 400 CYC. SIZE: 10x11x5 WT. 15 LBS. PRICE: (AS ILLUSTRATED) USED \$7.95 ANNUAL FOR RA 101A/ARN-6.....\$5.00

ID-91 B/ARN-6 INDICATOR 0-360 DEG. 3 1/2" DIA. INDICATOR FOR ARN-6 RADIO COMPASS SYSTEM \$8.95

C-149 A/ARN-6 CONTROL BOX CONTAINS THE FOLLOWING CONTROLS. OFF-COMP.-ANT.-LOOP; FUNCTION SWITCH, TUNING METER, LOOP L-R SWITCH, LIGHT CONTROL, DIAL BAND SWITCH, CONTROL SWITCH, TUNING CRANK, AUDIO CONTROL, CW- VOICE SWITCH. \$8.95




Headsets — Telephone Equipment — Microphones — Handsets



HS-33 HEADSET
NEWLY MANUF.
HEADBAND & 4 1/2 FT.
CORD WITH PL-55
TYPE PLUG. AIR
FORCE GREY. 600
OHM IMPED. WITH

MX-41/AR MEDIUM RUBBER CUSHIONS \$8.00


MC-162 SMALL RUBBER CUSHIONS. \$6.95



HB-7 HEADBAND ONLY
WITH 4 1/2 FT.
CORD AND PL-55
TYPE PLUG. AIR
FORCE GREY.
\$3.00


MX-41/AR MEDIUM SIZE RUBBER CUSHIONS \$1.25

MC-162 SMALL RUBBER CUSHIONS \$1.00



HS-23 HEADSET
NEWLY MANUF. W/4 1/2 FT. CORD & PL-55 TYPE PLUG. AIR FORCE GREY. 2000 OHM IMPED. WITH MX-41/AR MEDIUM SIZE RUBBER CUSHIONS \$6.95

MC-162 SMALL SIZE RUBBER CUSHIONS \$5.95




H-113/U HEADSET
600 OHM
SOFT PLASTIC
EAR CUSHIONS
18" CORD W/
PL-54 PLUG
THAT FITS
JK-26 JACK
(SEE CD-307
EXTENSION CORD ELSEWHERE ON THIS PAGE)
WT: 3LBS. USED-EX \$3.95

H-62 HEADSET SAME AS H-113/U ONLY IN BLACK AND HAS PROVISIONS FOR SNAPPING ON LIP MICROPHONE CW-51071 LISTED BELOW. USED-EX. \$3.95

CW-51071 LIP MICROPHONE
100 OHMS IMPEDANCE W/ 2 SNAPS FOR FASTENING TO H-62 HEADSET, 14" CORD W/ PL-291 PLUG INTO EXTENSION CORD CD-318 LISTED ON THIS PAGE OR CW-49561 EXTENSION CORD LISTED BELOW USED \$1.00

CW-49561 EXTENSION CORD
FOR LIP MIC. CW-49561, T-45, T-30, M1/A OR ANY OTHER CORD WITH MATING PLUG PL-48/291. HAS PL-68 MIC. PLUG AND IS 5 FT WITH MOMENTARY SWITCH. UNUSED \$1.50



TELEPHONE HANDSET HANGAR
WITH HANDSET IN PLACE ONE SWITCH CONTACT IS MADE, WHEN HANDSET IS REMOVED & MADE ALSO 2 OTHER CONTACTS ARE MADE (1 BREAK 3 MAKE) WE # G743 WT: 2LBS. #5930-538-6822 New \$4.95

T-24-S MICROPHONE HAND HELD BRASS CARBON MIC. W/50 OHM ELEMENT, PUSH TO TALK SWITCH, 5 1/2 FT. STRAIGHT CORD W/ PL-68 PLUG. WT: 1 LB. PRICE: UNUSED \$3.95

M1/A CARBON MICROPHONE
75 OHM IMPEDANCE, FITS OVER MOUTH TO ELIMINATE NOISE, HELD IN PLACE BY STRAPS, FREQ RESPONSE 400-3200 CPS. 1 1/2" INCH CORD WITH PL-291 PLUG TO FIT CD-318 OR CW-49561 EXTENSION CORDS DESCRIBED ON THIS PAGE. NEW \$2.50



T-32 CARBON MICROPHONE
40 OHMS
IMPEDANCE
300-4500CYC
WITH STAND & PUSH TO TALK SW. 6" CORD WITH PL-68 PLUG UNUSED \$7.95

HS-30 HEADSET
250 OHM
IMPEDANCE
HEARING AID TYPE
AID TYPE
LIGHT WEIGHT
HEADBAND
9" CORD
W/ SPADE LUGS
THAT WIRE INTO CD-604 CORD FOR 4000 OHM IMP. NEW \$2.50

(SEE CD-604 & 605 ELSEWHERE ON PAGE)




RS-38 MICROPHONE
100 OHM CARBON
PRESS TO TALK
SWITCH ON TOP
5 FT. CORD WITH PL-68 PLUG. USED \$4.95
UNUSED W/ COILED CORD 12"-36" \$7.95 21"-68" \$9.95

SPACE HELMET HEADSET, 600 OHM PHONE 100 OHM MIC. PADDED FRAME. U. \$3.95



DYNAMIC HEADPHONES
50 OHMS IMP. MOVING COIL TYPE, HIGH QUALITY REPRODUCTION, CHAMOIS CUSHIONS AND "HY" CORD WITH PHONE PLUG. #2A/CAN1638 UNUSED \$4.95

CHAMOIS CUSHIONS \$2.50 PR.




TELEPHONE TRANSMITTER CHEST SET
150 OHM IMPEDANCE
TRIANGULAR SHAPED
BREASTPLATE, HORN
MOUTHPIECE TYPE#
A-1. NO STRAPS.
WESTERN ELECTRIC
#396A \$1.50




T-45 LIP MIC

DICTIONARY HEADSET, LIGHT BAND W/ PLASTIC EAR PCS. CONNECT TO RUBBER TUBES THAT COMES TO Y & RUBBER CUP 4" DIA. USE AS WAY OUT SOUND REPRODUCER 719 \$7.75

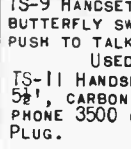


T-30 THROAT MIC.

Elements only \$1.00
a dozen



C-113/TRC-1 CONTROL UNIT
FOR INTERCOMMUNICATION AND TRANSMITTER CONTROL. POWER REQUIRED IS 115 VOLT 60 CYC HAS MICROPHONE AND HEADSET JACKS, ON/OFF SW. INTERCOM. RADIO SW. BINDING POSTS FOR CONNECTING TELEPHONE WIRE, 5 WIRE CABLE FOR FASTENING TO TRANS. MIC CORD WITH PL-68 PLUG, AC LINE CORD, PILOT LIGHT ETC. HOUSED IN WOOD CARRING CASE. TWO OR MORE UNITS CAN BE HOOKED TOGETHER FOR INTERCOM USE. TS-13 HANDSET CAN BE USED WITH THIS SYSTEM. CABLES CAN BE STORED IN COMPARTMENT TO LEFT. SIZE: 14x9 1/2 x 12; WT: 25 LB PRICE: USED \$6.95



TS-9 HANDSET NO PLUGS WITH BUTTERFLY SWITCH & PUSH TO TALK SWITCH & LUGS USED \$3.95

TS-11 HANDSET; 4 COND-CORD, 5 1/2", CARBON MIC 50 OHM PHONE 3500 OHM, W/ PL-106 PLUG. NEW \$4.95



RS-83 100 OHM CARBON MICROPHONE W/ DETACHABLE CORD 4 1/2" & SW.

SOUND POWERED HANDSET
WITH COILED CORD 1-4' STK #D173012 NEW \$7.95



T-45 MICROPHONE
CARBON TYPE 1000HM
50DB BELOW 1 MILL-
VOLT, FLAT RESPON-
S WITH PL-291 2 CONT
MALE PLUG, 11" CORD
USED

CD-307 CORD EXTENSION FOR CORDS WITH PLUG AS USED ON HEADSETS, 65" LG -26 JACK & LUG. \$1.00

CD-318 EXTENSION CORD WITH PL-291 2 CONTACT FEMALE PLUG TO FIT T-45 & T-30 MICS. SW-141 SWITCH & PL-68 MIC PLUG ON 7 FT. CORD USED \$1.00

PL-68 MIC PLUG 30" CORD 75¢

JK-33 JACK TO FIT PL-68 MIC. PLUG. USED 5 FOR \$1.00



T-30 MICROPHONE
CARBON TYPE, 75 OHM
50DB BELOW 1 MILL-
VOLT, FLAT RESPON-
S WITH PL-291 2 CONT
MALE PLUG, 11" CORD
PRICE: USED 3/\$1
UNUSED \$1.00

PL-55 RECEPTACLE WITH PL-55 PLUG ON END 3 FT. CORD #R16-G3-820 NEW \$1.00

MICROPHONE BUTTON CARBON 50 OHM WILL REPLACE F-1 ELEMENTS. #K-53-0654 \$1.00

HB-1 \$1.00 HEADBAND FOR 1 1/2" ELEMENTS

WITH 800 OHM ELEMENTS & CORD \$2.95



R-15 PHONE ELEMENT 6000 OHM W/ RUBBER CUSHION F/2" HEADBAND MTG. \$1.25

PHONE ELEMENT F/TS-9K HANDSET 250 OHM, 2 1/2" DIA W/ CLIPS. K.S #838 \$1.00

CANADIAN PHONE ELEMENT 100 OHM 1 1/2" DIA. FOR 2" HEADBAND. #C-3 10A/36988 \$.75

CANADIAN LIGHTWEIGHT HANDSET NO COFO PHONE 300 OHM MIC. 50 OHM #ITE ngl MK-11 YA-7225 \$3.95

PHONE ELEMENT F/TS-13, H-23 ET HEADSET, TYPE 41 3500 OHM. AUTO. ELEC. D-5189A \$1.00


CANADIAN MICROPHONE W/ SWITCH & CORD FOR ABOVE PHONE, MAGNETIC 300 OHM, #10A/12 57L \$1.25



TS-13 HANDSET CARBON MIC. 50 OHM, PHONE ELEMENT 3500 "Y" CORD PL-68 & PL-55, BUTTER USED \$4.95

FLY SWITCH. USED \$4.95

HANDSET HOLDER
RUBBER COVERED AS ILLUSTRATED \$1.50
CAST ALUMINUM \$2.00



COILED CORD SET

COILED CORD SETS

THREE CONDUCTOR 24" to 72" 75¢ 12" to 36" 50¢

FOUR CONDUCTOR 12" to 36" \$1.00

ONE CONDUCTOR #18 6 FT.-18 FT. \$1.00


MC-385 HIGH to LOW ADAPTER

IMPEDANCE FOR HEADSET 4000-6000 OHM USED \$1.50 NEW \$1.75



STANDARD TYPE TELEPHONE HANDSET AND CORD. USED..\$2.50

STANDARD TELEPHONE DIAL USED \$1.50



HANDSET HOLDER FOR HORIZONTAL MOUNTING, SIZE 1 1/2 x 3 #6988 \$1.50

SOUND POWERED HEAD & CHESTSET: BOOM MIC WITH 20" 100 OHM RUBBER; 14" CORD CORD: WITH NAVY: PLUGS. TYPE: (ADD ANY UN-LENGTH USED: CORD YOU # MI-: WANT) #2454: USED \$9.95; \$4.95

HANDSET HOLDER FOR TELEPHONE BELL FOR MAGNETO GENERATORS. # MC-131 \$1.50



ACOUSTIC CORDLESS MICROPHONE AND AMPLIFIER HEARING AID, HEAD BAND TYPE ASSEMBL CONSISTS OF 1" MIC. AND 3 TUBE AMPLIFIER WITH VOLUME CONTROL AND BATTERY COMPARTMENT MOUNTED IN A LIGHTWEIGHT HEADBAND. USES MERCURY BATTERY RM-1H & MINI-MAX 15 V. 504E EVEREADY. PRICED WITH TUBES, BATTERIES AND PHONE UNIT. #A200 NEW: \$2.95

MODEL A-200 \$2.95



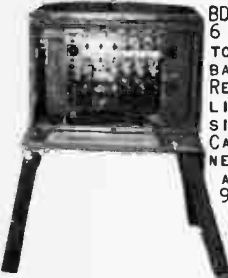
ACOUSTION HEARING AID MICROPHONE CASE ONLY W/ TRANSFORMER, VOLUME CONTROL, RES. COND. AND BATT. HOLDER. NO MIC. BATT. OR TUBES. GOLD STAIN FINISH. SIZE: 2 1/2 x 4 1/2; WT: 4 OZ. #A-320 \$1.50 2 FOR \$1

PUSH BUTTON & CALL SIGNAL LIGHT SAME SIZE AS TELEPHONE DIAL. MAKE OWN INTERCOM. \$3.95 EA. 3/\$1.00

TELEPHONE BELLS JUST AS EXTENSION N SHOP ETC. 2 LB. 4x4x1 483661A \$1.50

TELEPHONE EQUIPMENT

EE-8 FIELD TELEPHONE PORTABLE HAND RINGING TYPE. CAN BE USED WITH ANY MAGNETO TYPE SYSTEM SWITCHBOARD AS BD-71, 72, 89, 91, 96 ETC. OPERATES FROM 2 FLASHLIGHT BATTERY UP 17 MILES, TWO OR MORE PHONES CAN BE OPERATED ON TWO WIRE LINE. WITH CARRYING CASE, STRAP & HANDSET.
 SIZE: 8x10x3 1/2; WT: 18 LBS.
 USED CHECKED LESS BATT. \$14.95



BD-71 SWITCHBOARD, PORTABLE 6 LINE HAND RINGING MAGNETO TYPE USING FLASHLIGHT BATTERIES FOR OPERATION. REPEATING COILS ON TWO LINES FOR SIMPLEXING, DROP SIGNAL AND NIGHT CALL BELL CAN BE USED WITH ANY MAGNETO TYPE TELEPHONES SUCH AS EE-8, RM-29, BD-72, 89, 91, 96 ETC. IDEAL FOR FACTORY, CAMP, FARM, MOTEL... WITH CHESTSET MICROPHONE & HEADSET. LESS BATTERIES
 SIZE: 18x12x14; WT: 75 LBS.
 USED \$9.95 RE-NEW \$14.95

VO-3 OSCILLATOR IS AN ELECTRO-AUDIO TONE GENERATOR WITH A 10 WATTS OF POWER OUTPUT AT A FREQ. OF 800 CYCLES PER SECOND. THIS POWER IS ADEQUATE FOR SUPPLYING TONE TO 200 HEADSETS THAT CAN BE KEYED BY THE INSTRUCTOR OR STUDENTS AND FEED INTO A SPEAKER OR RECORDER. OPERATES FROM 115 VOLT 60 CYCLE, COMPLETE WITH TUBES 1/6SN7, 1/50A & 2/6V6GT, OUTPUT 4, 8, 12 & 16 OHMS.
 SIZE: 12x10x7 1/2; WT: 24 LBS.

PRICE: \$14.95 USED

WD-1/TT INFANTRY FIELD WIRE; 2 COND. TWISTED PAIR 4 TINNED COPPER, 3 GALV. STEEL, NYLON JACKET WEATHER MOISTURE & FUNGUS RESIST. APPROX. 1200 FT. ON METAL SPOOL \$15.00; APPROX 1 MILE ON METAL SPOOL 4 LENGTH OF APPROX 1250 FT. \$40.00; COND. USED GOOD
 WD-7 COPPER WELD FIELD TELEPHONE WIRE; 2 COND. TWISTED PAIR EACH COND. 7 STRAND #28 COPPER WELD. NEW MANUFACTURE. \$.03 PER FT. 1000 FT. OR MORE \$.025 PER FOOT.



SUB-CYCLE STATIC FREQUENCY CONVERTER; OUTPUT 75-110 VOLTS 7.5 WATTS, 16-2/3 OR 20 CYCLE, INPUT 105-125 VOLTS 50 OR 60 CYCLE. USED FOR RINGING TELEPHONE CIRCUITS.
 SIZE: 7x4x12; WT: 35 LBS.
 MODEL M-75/K3-5585 \$14.95
 OUTPUT PLUG.....\$1.00

A-202 CODE PRACTICE TELEGRAPH KEY WITH BUZZER AND CORD. ADJUSTABLE KEY WITH ADJUSTABLE BUZZER THAT WILL OPERATE FROM 9-12 VOLT D.C MOUNTED ON BLACK BAKELITE BOARD WITH ENOUGH ROOM TO REST FIST, RUBBER FEET ON BOTTOM.
 KEY SIZE 4 1/2x1 1/2x1 1/2, BUZZER SIZE 1 1/2x1 1/2x3; BOARD 3 1/2x7 1/2; WT: 1 1/2 LB
 PRICE: NEW \$1.50

RM-39 REMOTE CONTROL UNIT; USED FOR REMOTE OPERATION OF TRANSMITTING & RECEIVING EQUIPMENT OR OVER TELEPHONE LINES WHEN TWO OR MORE ARE CONNECTED TOGETHER BY WIRE OR WITH EE-8 FIELD TELEPHONES OR SIMILAR EQUIPMENT.
 HAS A HAND CRANK GENERATOR THAT IS USED TO SIGNAL ANOTHER STATION BY RINGING THE BELL THAT IS IN THE UNIT. REQUIRES 4 1/2 VDC & 15 VDC DRY CELL BATTERIES FOR OPERATION. ALSO HAS 31 CORDS WITH 1/PL-68, 2/PL-55 PLUGS FOR USE WITH THE RADIO EQUIP. JACKS FOR HEADSET, MIC AND KEY, SELECTOR SWITCH, ANTI-HOWL SWITCH, LINE TERMINALS ETC.
 SIZE: 5x6 1/2x9 1/2; WT: 15 LBS.
 PRICE: USED \$5.95 RE-NEW \$7.95

TS-13 HANDSET THAT CAN BE USED WITH THIS \$4.95 HANDSET HOLDER FOR HORIZONTAL USE THAT CAN BE MOUNTED ON THE CASE OF RM-39 50¢

TA-1/PT TELEPHONE



SOUNDPOWERED TELEPHONE SET WITH AUDIBLE AND VISUAL CALL SYSTEM. PALM OPERATED GENERATOR PUTS OUT APPROX. 100 V. THAT SOUNDS BUZZER IN OTHER PHONE AND ACTUATES VISUAL INDICATOR. COILED CORD WITH PUSH TYPE BINDING POSTS FOR INTERCONNECTING WIRES TO BE FASTENED TO. COMES WITH FIBER CARRYING CASE.
 SIZE: 8 1/2x3 1/2x3 1/2; WT: ACT 2LB USED \$29.50 PAIR 2

TA-43/PT TELEPHONE SET IS A RUGGED, LIGHTWEIGHT, WATERPROOF FIELD TELEPHONE THAT CAN BE USED OUTDOORS ON A DESK OR WALL MOUNTED. HANDCRANK GENERATOR FOR PINGING BUZZER. REQUIRES 2/1 1/2 V BATT. FOR LOCAL USE NONE REQ. W/CE. UNIT COMES IN A CANVAS CASE & SHOULDER STRAP WITH ZIPPER.
 SIZE: 12x7x4; WT: 10 LBS. UNUSED \$39.50



MULTIPEX

PHILCO CST-2 SIGNALING AND TERMINATION UNIT. FOR USE IN MULTIPLEX SYSTEMS FOR TRANSMISSION OF DIAL OR RINGDOWN SIGNALING AND TERMINATES A FOUR WIRE CIRCUIT OF THE MULTIPLEX INTO A TWO WIRE TELEPHONE CIRCUIT. A 3.5 KC TONE IS USED FOR SIGNALING. ALSO HAS CONTROLS FOR PROPER ATTENUATION OF VOICE LEVEL. OPERATES FROM 115 V. 60 CYC. AND IS COMPLETE WITH 2/12AU7 TUBES, RELAYS. RACK MTG. 19x4x12; WT: 25 LBS.
 PRICE: UNUSED \$9.95



GENERAL ELECTRIC MODULATOR NO. 4U10C1. TELEPHONE-TELEGRAPH TYPE UNIT FOR RACK MOUNTING, DUAL CHANNEL OPERATION USING 12AT7, 12AV7 AND 12AT7 EA. CHAN. FEEDING 12AV7, SEVEN TUBES IN ALL. TWO TRANS. 600 OHM CT. PRI. 250K OHM SEC. SIZE 1 1/2x1 1/2x2, TWO RELAYS DPDT AUTOMATIC #7772962-33, FOUR SO-239 COAXIAL CONNECTORS FOR TIMER AND VIDEO. SEVEN VARIABLE CONTROLS AND 6 TEST JACKS.
 SIZE: 19 1/2x7x7; WT: 15 LBS. UNUSED \$7.95



RC-298 TANK INTERPHONE EXTENSION KIT; CONTAINS HEAVY GAUGE WATERPROOF STEEL BOX W/H-22 HANDSET & COILED CORD, SIGNAL LIGHT, EXTEN. TERMINAL POSTS, WATERPROOF BULKHEAD CONN. 30 FT. 7 COND RUBBER COVERED CABLE, 14 FT. CONDUIT FLEX BC-1361 CONTROL BOX WITH SIG. LAMP, 2 WATERPROOF SW. AND 2 CONN. BOX OF HARDWARE WITH 125 PCS. OF BOLTS NUTS, WASHERS, CLAMPS ETC. ALSO ROLL OF RUBBER TAPE, SWITCH, LENS, LAMP MANUAL ETC. SHIPPING WEIGHT 78 LBS.
 PRICE: NEW \$14.95

RM-52 REMOTE CONTROL UNIT (MACY'S PHONE PATCH) USED FOR RE-CONTROL OF RADIO SET, OPERATES FROM 4 FLASHLIGHT BATTERIES. HAS MULTITAP TRANSFORMER, MIC, PHONE HIGH/LOW IMPEDANCE & JACKS. BASIC UNIT FOR MAKING MACY'S PATCH.
 SIZE: 7 1/2x3 1/2x5 1/2; WT: 5 LBS.
 PRICE: USED \$1.95 NEW \$2.95

RM-53 REMOTE CONTROL UNIT; BASICALLY THE SAME AS RM-52 ONLY IT HAS A 3 POSITION SWITCH AND CORDS WITH PL-55 AND PL-68 PLUGS.
 SIZE: 8 1/2x4 1/2x4 1/2; 6 LBS
 USED W/PLUGS & CORDS \$2.95
 " " " " " 1.95

ID-256A/APW INDICATOR LIGHT ASSEMBLY CONTAINS 14 INDICATOR LIGHTS WITH 24 VOLT #313 BAYONET BASE AND 9 FT.

15 CONDUCTOR CABLE. SIZE: 7 1/2x2 1/2x2 1/2; WT: 2 LBS. PRICE: \$2.95

SA-365/UPM SWITCH ASSEMBLY CONTAINS 14 PUSH BUTTON MICRO SWITCHES D.P.D.T #2PB21 WIRED TO A 7 COND. & SHIELD CABLE 35 FT. LONG. USED WITH ID-256 INDICATOR LIGHT ASSY. FOR SPECIAL TEST PURPOSES.
 SIZE: 6x5x2; WT: 5 LBS.
 PRICES: WITH CABLE \$6.95 LESS CABLE...\$4.95
 PLASTIC COVERED CABLE 5 COND. SHIELDED



#D-857697 AUTOMATIC LINE FINDER. SIZE: 13 1/2x4 1/2x6 1/2; 12 LBS. PRICE: W/COVER NEW \$10.95

AUTOMATIC ELECTRIC SWITCH ASSEMBLY. COMBINED HOWLER AND BREAKDOWN UNIT, 48 VDC, 4 DECK 16 CONTACT STEPPING SWITCH AND 5 RELAYS #D855332A RACK MOUNTING 13 1/2x4 1/2x6 1/2; 13 LBS. PRICE: W/COVER NEW \$10.95

RA-87 RECTIFIER; FOR USE WITH TELETYPE EQUIPMENT. CONVERTS 95 TO 125 VOLT OR 190 TO 250 VOLTS 50-60 CYC VAC TO 115 VDC 400 MA AND 115 VAC 4.35 A. WHEN USED WITH 190 TO 250 VAC INPUT. RE-NEW \$12.95
 SIZE: 14 1/2x7 1/2x8; 45 LBS. USED \$8.95

TELETYPE PAPER

TELETYPE PAPER 8 1/2 INCHES WIDE 4 1/2 INCH DIAMETER THREE SHEETS OF PAPER 2 SHEETS CARBON, 4 LBS. PRICES: EACH ROLL 50¢; 12 ROLLS \$5.00

TELETYPE

TELETYPE TRANSMITTER-DISTRIBUTOR SINGLE CHANNEL MOTOR DRIVEN DEVICE WHICH CONSISTS OF A TAPE SENSING, TAPE FEEDING AND A TRANSMITTING MECHANISM AND DISTRIBUTOR MOTOR WHICH ENCLOSED IN A METAL COVER. MOTOR IS 110 VOLT 60 CYCLE, 1 PH SYNCHRONOUS INDUCTION MOTOR, 1/40 H.P. 2.2 A. SHUNT TYPE MODEL #5SH25AB118 OR EQUAL.
 SIZE: 15 1/2x8 1/2x9; WT: 35 LBS. COND. USED BY WU \$14.95 2 FOR \$25.00



RM-21 CONTROL BOX WITH HAND SET HOLDER, 3 PUSH SWITCHES VOLUME CONTROL & PLUG. HANGERS FOR MOUNTING. SIZE: 10 1/2x7x2 1/2 8 LBS IN WOOD CARRYING CHEST. \$3.95



TELEPHONE WALL TYPE DIAL SIZE: 5 x 9 1/2 x 6; 10 LBS. #JENW-WAT USED \$9.95

MAGNETIC AMPLIFIER

TRANSMITTER SUB-ASSY. FILAMENT CHASSIS, PART OF AN/ALT-8 COUNTERMEASURES SET. CONSISTS OF CK927 FULL WAVE RECTIFIER CK843 SILICON RECT., TWO CK846 SILICON RECT., MAGNETIC AMPLIFIER TRANS. FIL. TRANS. 115/400CYC. SEC. 6.3/6A. MINIATURE POTS. AND DPST RELAY ALL MOUNTED ON CHASSIS 7 1/2x3x3 1/2; WT: 3 LBS. PART #2527-501-G1
 PRICE: NEW \$1.95

AC TO DC POWER SUPPLY; 115 VOLT 50-60 CYCLE INPUT, OUTPUT 115 TO 230 VDC IN VARIOUS STEPS CAN BE ADJUSTED BY SWITCH ON THE FRONT. COND. C.C.
 #KS-5825-L01 SIZE: 19x3x1 1/2
 PRICE: USED

TC-34A KEYS CODE PRACTICE SET REPRODUCE SIGNALS ONLY RECORDED TAPES. VARIOUS KEYS, SPEAKERS, 50¢

AC - DC 115 V. 800 CYC. 60 Hz. 1.5 A. D.C. 1.5 A. RE-NEW \$24.95 USED \$14.95

DYNAMOTORS

TYPE	INPUT VOLTS	INPUT AMPS.	OUTPUT VOLTS	OUTPUT AMPS.	SIZE	WEIGHT	EQUIPMENT USED WITH	PRICES	
								USED	RE-NEW
DM-21	14	3.3	235	.090	6x5x3	8	BC-312	\$4.95	\$7.95
DM-28	27.9	1.25	220	.070	3x5x6 1/2	3	BC-348	4.95	
DM-25	12	2.2	250	.050	3x3x4 1/2	3	BC-367	2.95	4.95
DM-45	24	1.1	250	.050	3x3x4 1/2	3	BC-667	2.95	4.95
DM-34	14	2.8	220	.080	3x4 1/2 x 6 1/2	3	PC-603-683	2.95	4.95
DM-36	28	1.4	220	.080	3x4 1/2 x 6 1/2	5	RC-603-683	2.95	4.95
DM-40	14	3.4	172	.138	7x5 1/2 x 3 1/2	7	BC-652	\$6.95	
DM-41	28	1.7	172	.138	7x5 1/2 x 3 1/2	7	BC-652	\$6.95	
DM-42	12	3.9	515	.215					
			1030	.260	7x7x11	38	BC-653	\$7.95	
DM-43	24	19.5	515	.215					
			1030	.260	7x7x11	38	PC-653		9.95
DM-53AZ	14	2.8	220	.080	4 1/2 x 3 1/2 x 3 1/2	3	BC-733	2.95	4.95
DM-53	28	1.4	220	.080	4 1/2 x 3 1/2 x 3 1/2	3	RC-733	3.95	N
DM-32	28	1.1	250	.060	4 1/2 x 3 1/2 x 3	3	VARIOUS	2.95	4.95
DY-2/ARR-2	SAME AS ABOVE		DM-32 ONLY		IS A LATER NUMBER.		VARIOUS		
35x032	14	2.2	250	.060	4 1/2 x 3 1/2 x 3	3	AS DM-32		4.95
DM-33	28	5	575	.160	6 1/2 x 3 1/2 x 3 1/2	6	RC-456	9.95	
DM-35	12.5	18.7	625	.225	8 1/2 x 4 1/2 x 4 1/2	13	VARIOUS		20.00
DM-37	25.5	9.2	625	.225	8 1/2 x 4 1/2 x 4 1/2	13	"		\$9.95
BD-69	14	2.8	220	.080	6 1/2 x 6 x 4 1/2	10	VARIOUS		3.95
BD-77	14	39.0	1000	.350	11 x 10 x 6 1/2	40	BC-191	\$14.95	\$19.95
BD-83	14	6.5	375	.150	6 1/2 x 5 1/2 x 4 1/2	10 1/2	SCR-183		7.95
BD-93	28	3.2	375	.150	6 1/2 x 5 1/2 x 4 1/2	10 1/2	SCR-283		4.95
PE-73	28	19	1000	.350	11 x 10 x 6 1/2	39	BC-375	WRITE F/PRICE	
PE-86	28	1.25	250	.060	5x5 1/2 x 3 1/2	3 1/2	VARIOUS	2.95	4.95
PE-94	28	10.5	300	.260	12x5x8	35	SCR-522	5.95	9.95
			150	.010	14x4x7	15	BC-645	4.95	7.95
			14.5	5.0			ABA		
PE-94	SAME AS ABOVE		DYNAMOTOR ONLY						4.95
PE-98	14	21.0	300	.260					
			150	.010					
PE-98	SAME AS ABOVE,		DYNAMOTOR ONLY,		NO FILTER.		VOLTAGE REG. RELAY	5.95	9.95
PE-101	13/26	12/6	400	.135	14x4x7	15	BC-645	4.95	7.95
			800	.020			ABA		
			9 v 80cyc	1.12A					
PE-133	12	2.3	230	.090	4x7x6 1/2	1	BC-1003	4.95	6.95
DY-1	14	2.4	250	.060	3x3 1/2 x 4 1/2	3	VARIOUS		4.95
DY-2	28	1.2	250	.060	3x3 1/2 x 4 1/2	3	"	2.95	4.95
DY-9	26	4.3	360	.135	9x5x3	10	"	9.95	
DY-10	13/26	4.3/8.7	"	"	"	11	"	12.95	
DY-21	27	7.0	410	.325	7 1/2 x 3 1/2 x 3 1/2	9	T-67/ARC-3	7.95	
DY-22	27	1.8	210	.125	3 1/2 x 3 1/2 x 6	5	R-77/"	4.95	
DY-17A/ART-13A	EICOR ML-5023-1		SPECIAL						
DY-17	28	33	1190	.350	6 1/2 x 8 x 12	33	T-47A/ART-13	15.00	20.00
DY-17	27	32	410	.400	"	30	"	12.95	
DY-17	27	33	750	.350	"	30	"		
			400	.750					
DY-17	DYNAMOTOR ONLY LESS FILTER BASE								6.95
DA-1A	28	1.6	230	.100	3 1/2 x 3 1/2 x 5 1/2	6	VARIOUS	3.95	6.95
DA-1F	25	14.8	540	.450	4 1/2 x 4 1/2 x 8	15	"		9.95
DA-12	12.5	29	540	.450	"	15	"		20.00
			"	"					
DA-14	14	3.3	230	.100	3 1/2 x 3 1/2 x 6	6	"	4.95	6.95
DA-19	28	11	400	.400	8x4 1/2 x 4 1/2	13	"	4.95	6.95
D-401	12	9.9	400	.180	4x4 1/2 x 7	10	T.C.S.		6.95
D-401SP	12	9.9	440	.200	"	10	TCS/CP		8.95
D-402	12	3.8	220	.100	3x3x5 1/2	3	T.C.S.		4.95
4156	13	13.0	300	.225	8 1/2 x 4 1/2 x 4	10	VARIOUS		7.95
			250	.060					
377	14	8.0	425	.163	5 1/2 x 6 x 8 1/2	13	"	6.95	9.95
21772	12	3.0	235	.075	6 1/2 x 5 x 4	7	"		4.95
1286534	24	1.75	300	.070	3x3x4 1/2	3	UNK		4.95
DMX310	12	2.8	150	.100	3x3x4 1/2	3	"		4.95
D101	27	1.75	285	.075	"	3	"		4.95
PM-0516	12/24	8/4	275	.110	7 1/2 x 4 1/2 x 3	6	RT-7/APM-1	3.95	5.95
							MARK II #3		6.95
							@ 3 AMP.		
VRC-2	5.5	31	600	.175	7x4 1/2 x 4 1/2	8	T-193		7.95
259K1003	24	7	405	.270	7x4x5	12	MOTOROLA		6.95
MP-106	24/28	27	1100	.400	10 1/2 x 6 1/2	30	TA-2		16.95
SU-125	THE ABOVE ITEM IS DYNAMOTOR ONLY						BC-1323		4.95
MA-2503	6	3.6	250	.030	3 1/2 x 5 x 3	6			14.95
DMF-519H	28	1c	630	.500	8x4 1/2 x 4	10			
DYA4223F	28	28	1000	.500	8 1/2 x 4 1/2	15			9.95
CARTER									
633BS2B	12	25	650	.300	6x4x3 1/2	12	NEW MANUF.		20.00

GENERATOR



GENERATOR 24 V. 5 AMPS.



D.C. GENERATOR 30 V. 200 A. 4400 TO 8000 R.P.M. 2 1/2 x 1 1/2 IN SPLINED SHAFT, FLANGE MFG. SIZE: 10 1/2 x 6 x 8; WT: 36 LBS. #R-86-EC310-27A RE-COND. \$24.95



BENDIX GENERATOR 12 VOLTS D.C. 50 AMPS. SPLINED SHAFT 3/4 x 1 1/2, 6" FLANGE, 12 MOUNT. 1/2 IN HOLES, 3500-4000 R.P.M. SIZE: 6 x 11; WT: 36 LBS. #R-86-EC310-27A NEW \$12.95

INVERTERS



EICOR INVERTER X3516-1 INPUT: 27.5 VDC 165 AMPS. OUTPUT: 115 VOLT 400 CYCLE 2500 V.A 1 PHASE SIZE: 16x11 1/2 x 8; WT: 75 LBS. EXCELLENT COND. \$49.50

PE-2180 INVERTER INPUT: 25/28 VDC 80-90 AMP OUTPUT: 115 V 400 CYCLE 13 AMP; 1 PHASE SIZE: 17x10x9; WT: 75 LBS. PRICE: UNUSED \$50.00

5021NJ3A INVERTER INPUT: 27 VDC 35 AMPS. OUTPUT: 115 VAC 400 CYCLE 1 PHASE 2.17 AMPS. SIZE: 9x6 1/2 x 5 1/2; WT: 25 LBS. USED \$16.95 UNUSED \$24.95

MG-153 INVERTER INPUT: 24 VDC 52A 1000 VA OUTPUT: 115 V 400 CYCLE 3 PHASE 750 VA & 26 V 400 CYCLE 1 PHASE 250 VA. SIZE: 12x8 1/2 x 8; WT: 28 LBS. PRICE: USED \$24.95

INVERTER INPUT 27.5VDC 60A OUTPUT 115 V 400 CY 750 W 3 PHASE 26 V 400 CY 50 W 1 PHASE SIZE 11x10x6; WT: 40 LBS. LELAND #10285 USED \$34.95

INVERTER INPUT 27 1/2 VDC 22A OUTPUT 115V 400 CY 3 PM 250 VA SIZE 9x6x4; WT: 15 LBS. ECLIPSE #E-1617-1 USED \$14.95

800-1-A INVERTER INPUT: 24 VDC @ 75 AMPS. OUTPUT: 115 V. 800 CYC. 1 PHASE 10.5 AMPS. WT: 35 LB. SIZE: 4 1/2 x 8 x 2. UNUSED \$14.95

SOLID INVERTER

SOLID STATE SUPPLY 12 VDC 115VAC DESIGNED FOR USE WITH REMOTE READING MAGNESYN COMPASS SYSTEM. NEW MANUFACTURE. OUTPUT 26 V. 400 CYC 100 MA SIZE: 5x2x1 1/2; WT: 2 LBS. #WS-957 FOR 12 VDC \$16.95 #WS-115 FOR 115 VOLT 60 CYCLE \$24.95



JACK & HEINTZ INVERTER #AN-3532-2 INPUT 27.5 VDC @ 20 AMPS. OUTPUT 115 VOLT 400 CYCLE, 3 PHASE, 250VA VOLTAGE REGULATED. SIZE: 12x7 1/2 x 4 1/2; WT: 20 LBS. FEED #125-617-0967 USED \$14.95 RE-COND. \$22.95

VIBRATOR

POWER SUPPLIES



VIBRATOR PACK VDC INPUT, 275 VDC @ 80 MA. OUTPUT SELF RECTIFYING. SIZE: 5 1/2 x 6 x 3 WT: 7 LBS. MALLYOR-369 USED \$4.95 MALLYOR #12B300C; 12 VDC @ 3 AMPS. INPUT, 300 VDC 100 MA. OUTPUT. SIZE: 6 1/2 x 4 x 3 1/2 WT: 10 LBS. PRICE: LESS RECTIFIER TUBE USED \$4.95

TBY VIBRATOR PACK CLG20144 INPUT 4 VDC @ 2.5 AMP. OUTPUT 156 VDC @ 35 MA. 1.5 VDC @ 190 MA. & 7.5 VDC @ 35 MA. SIZE: 6 1/2 x 4 1/2 x 3 1/2; 8 LBS USED \$4.95

PE-104 POWER CONVERTER. 6 OR 12 VDC INPUT, OUTPUT 90 VDC, 1 1/2 VDC AND -45 VDC. SIZE: 4x4x7; WT: 10 LBS. NEW \$3.95 W/EXTRA VIB. \$4.95

PP-855/PRC-14 VIBRATOR POWER SUPPLY WITH FILTER NETWORK. 6 VOLTS DC INPUT, 5.35 AMP OUTPUT 135 VDC @ 155 MA. SIZE: 7 1/2 x 2 1/2 x 2 1/2; WT: 3 LBS. NEW \$4.95

DUAL SIX VOLT D.C VIBRATOR POWER SUPPLY. OUTPUT 540 VDC @ 150 MA. CAN BE TAPPED AT 270 VDC. WITH 2/0Z4 TUBES. SIZE: 9x6x5; WT: 10 LBS. STK #3H6694-5 NEW \$7.95


PE-237 POWER SUPPLY FOR BC-1306 GRC-9

VIBRATOR TYPE WITH 1005 & 1006 TUBES ALSO VB-16 VIB. VOLTAGE REG. 6 OR 12 OR 24 VDC, OUTPUT 525 VDC @ 90MA 105 VDC @ 42 MA. 6.5 VDC @ 2 AMP, 6 VDC @ 500 MA. 1.3 VDC @ 450 MA. & 130 VDC @ 17 MA. SIZE: 10x10x17; WT: 85 LBS. RE-COND. \$19.95


PE-120 POWER SUPPLY FOR BC-659 BC-620 TRANS. RECEIVER. VIBRATOR TYPE VOLTAGE REGULATED. WITH TUBES VR-105/OB-3, 1005 & BALLAS VOLTAGE INPUT 6 OR 12 OR 24 DC OUTPUT 145 @ 175 MA, 90 @ 40 MA & 1.5 @ 75 AMP. SIZE: 4 1/2 x 13 1/2 x 15 1/2; WT: 30 LBS RE-COND. \$7.95

PP-18 CONVERTER 12 VDC 4 AMP TO 24 VDC 1.5 AMP. PARALLEL FOR MORE CURRENT. WITH SPARE VIBRATOR & 3500 MFD. 25 VOLT CAP. ALSO PLUG SIZE: 6 1/2 x 5 1/2 x 8 1/2; WT: 10 LBS. NEW \$4.95

TRAILER LIGHTS BALANCING LOAD ASSY. USED FOR TAIL AND STOP LIGHTS. CONTAINS RESISTORS 1.40 WATT, 1.540 WATT, .6 & .8 OHM 7WATT SIZE 7x2x4; 3 LBS. MOPAR#B7015812 \$1.50



BUZZER 24/28 VOLTS D.C. IN SEALED CAN. TWO HOLE MGT. SIZE: 3x2x1 1/2. WT: 1 LB. #MH-12079 \$1.00




R.F. INTERFERENCE FILTER; 20 AMPS 50 VOLTS D.C. CASE IS GROUND. SIZE: 2 1/2x2x1 1/2. WT: THOMPSON#TF-55363 \$.75



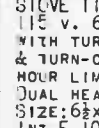
GEARED MOTOR & POTENTIOMETER CONTROL. EASTERN AIR MOTOR J33D-24, 120 V. 40CY 1/50 H.P. CONNECTED TO GEARED ASSY TERMINATING TO SPLINED SHAFT RECEPTACLE, SMALL TYPE, THAT TURNS 45 RPM, ALSO GEARED TO TRIPLE GANG EDC POTS. THAT TURN 1/5 RPM WITH INDICATOR, 2 POTS 1K OHM 1/200K. SIZE: 5 1/2x3 1/2x3. WT: 3 LB. #7608155 REM \$3.



CRY BUTTONS REFLECTORS, CAN BE USED TO MAKE SIGNS OR MARKERS. SHINE WHEN LIGHT STRIKES 2" DIA. REQUIRES #10 NUT FOR MTD. NO. #15-1. CARD OF 100 \$2.00



STOVE TIMER 115 V. 60 CYC WITH TURN-ON & TURN-OFF 6 HOUR LIMIT. DUAL HEAVY DUTY CONTACTS. SIZE: 6 1/2x3x2; WT: 2 LB. INT. E-10694 \$1.50



TELEREGISTER READOUT



IMPLUSE COUNTER RACKET TYPE NUMBERED 1-2-3-4-5-6-7-8-9-0, OPERATES FROM 12 VOLT DC NUMBER SIZE 3/8x1, MASK SIZE 1-3/8x1-7/8 LENGTH 4" WT: 1/2 LB. #TELEREGISTER K-1 PRICE: 79¢ EA. 2 FOR \$1.50

BRUSH SETS


DY-12 DY-17 \$3.00 PER SET



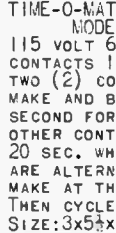
DM-21	DM-25	DM-28	DM-32
DM-33	DM-34	DM-35	DM-35
DM-37	DM-40	DM-41	DM-42
DM-43	DM-45	DM-53	DM-64
BD-83	BD-77	BD-93	BD-69
PE-73	PE-86		
DA-1A	DA-12	DA-14	DA-1F
DY-21	DY-22		SP-125

OTHER TYPES ALSO AVAILABLE SET OF FOUR BRUSHES \$1.00

TIME-O-MATIC SIGN CONTROL MODEL 53 K-156
115 VOLT 60 CYC. TWO CONTACTS 15 AMPERES EACH, ONE CONTACT MAKES & BREAKS EACH SEC. THEN MAKES FOR 7 SEC. OTHER CONTACT MAKES FOR 11 SECONDS THEN BREAKS FOR 3 SECONDS JUST AFTER FIRST CONTACT FINISHES MAKING & BREAKING SIZE: 2x4x6; 3 LB. \$2.95



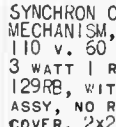
TIME-O-MATIC SIGN CONTROL MODEL 53 K-155
115 VOLT 60 CYCLE, THREE CONTACTS 15 AMPERES EACH, TWO (2) CONTACTS ALTERNATE MAKE AND BREAK ONCE PER SECOND FOR 15 SECONDS, OTHER CONTACT BREAKS FOR 20 SEC. WHILE THE OTHER 2 ARE ALTERNATING THEN ALL 3 MAKE AT THE SAME TIME. THEN CYCLE REPEATS AGAIN. SIZE: 3x5x6; 3 1/2 LBS. \$4.95




SYNCHRON CLOCK MECHANISM, No. 610
110 V. 60 CYC. 3 WATT 1 RPM MOTOR #143RA WITH GEAR ASSY WITH RESET. ALSO DUST COVER. SIZE: 3x3x2; 1 LB. #3-18-C1 \$1.75




SYNCHRON CLOCK MECHANISM, No. 610
110 V. 60 CYCLE 3 WATT 1 RPM #EC-129RB, WITH GEAR ASSY, NO RESET OR COVER. 2x2x2 1/2; 4oz. \$1.35



TIMER SPRING WOUND 360 DEGREES ONE HOUR, CAN BE TURNED ANY DEGREE & BELL WILL RING WHEN SPRING IS UNWOUND. SLOTTED & FLATTENED SHAFT FOR KNOB. LUX#230
SIZE: 2 1/2x1 1/2; WT. 4 OZ. \$1.00



RATE-GYRO No. 8511364
28 VOLTS D.C. GYRO MOTOR WITH POTENTIOMETER. WESTERN ELECTRIC GA-10147--3
SIZE: 2 1/2x2 1/2x4; WT: 3 LB. \$4.95




FT-384 ADAPTER FOR TESTING BC-603/683 RECEIVERS.

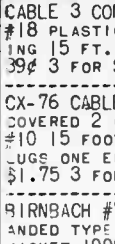


PLUGS IN REAR OF SET AND HAS METERING SWITCH, BINDING POSTS FOR METER. USED FOR CHECKING VOLTAGES AND ALIGNMENT PURPOSES. WITH 6" BATTERY CABLE. SIZE: 4 1/2x2 1/2x2 1/2; 3 LBS. UNUSED \$4.95

AS-207/CRT-3 ASSY
WITH 300 FOOT OF 16 STRAND BRAIDED CADMIUM ALLOY COPPER WIRE ON RL-48 REEL WITH CRANK MOUNTED TO ALUMINUM DOOR WITH ADJUSTABLE BRAKE AND SNAP SWIVEL USED AS ANTENNA FOR GIBSON GIRL TRANSMITTERS, WIRE IS ATTACHED TO BALOON OR KITE WHICH IS NOT SUPPLIED. SIZE: 4 1/2x2; 2 LBS. \$5.95

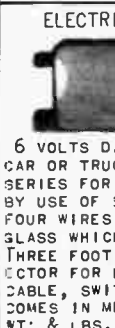


CABLE 3 CONDUCTOR #18 PLASTIC COVER
ING 15 FT. LENGTHS 39¢ 3 FOR \$1.00



CX-76 CABLE RUBBER COVERED 2 CONDUCTOR
#10 15 FOOT LENGTHS PLUGS ONE END. 5 LBS. \$1.75 3 FOR \$5.00

ELECTRIC DEFROSTER




6 VOLTS D.C. DEFROSTER FOR CAR OR TRUCK. USE TWO IN SERIES FOR 12 VDC. MOUNTS BY USE OF SUCTION CUPS, HAS FOUR WIRES RUNNING THROUGH GLASS WHICH IS 8"x16". THREE FOOT CORD WITH CONNECTOR FOR LONGER LENGTH CABLE, SWITCH FOR LOW & HI. COMES IN METAL STORAGE CASE WT: & LBS. PRICE: \$3.95

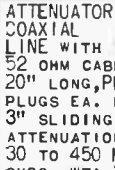
VERNIER SET ATC TIMER WITH 15 MIN. TIMING PERIOD.
SYNCHRONOUS MOTOR OPERATES FROM 230V 60 CYC AND HAS SPDT CONTACTS FOR CONTROL OF INDUSTRIAL EQUIPMENT. SIZE: 6 1/2x5 1/2x3 1/2. WT. 5 LBS. PRICE \$9.95 NEW




IMMERSION HEATER 24 VOLT AC/DC 50 W. WATTS
2 GALLON, 3" PRESS CAP, 4 1/2" SCREW CONE, 12" HEATING ROD & 5 FT. CORD. WT: 4 LBS. #LFCEA8E01 \$2.95



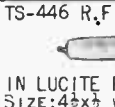
ATTENUATOR FOR COAXIAL LINE WITH 52 OHM CABLE
20" LONG, PL-259 PLUGS EA. END. 3" SLIDING ADJUSTMENT FOR ATTENUATION 30 DB TO 100DB 30 TO 450 MC. WITH ADAPTERS SHPG. WT: 3 LBS. USED \$5.95



ANNUNCIATOR 115 VOLT 60 CYCLE
1" DISPLAY, MANUAL CLEARING. WATERPROOF CASE. SIZE: 9x9x6 1/2; 12LB #CAL1000S-9A
NINE DROPS \$9.95
CAL 1000S-4 FOUR DROPS \$5.



TS-446 R.F. NEON INDICATOR

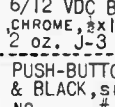


IN LUCITE PROBE, NE-2 BULB SIZE: 4 1/2x2 1/2 w/CLIP \$1.00

BELL 1" GONG 3 VDC EDWARDS #13 LUNGEN
SIZE 1, CHROME PLATE USED WITH BD-71-72 SWITCHBOARDS. SIZE 3/8x1x3; 2 OZ. #42416 59¢ 2/\$1



6/12 VDC BUZZER
CHROME, 2 1/2x1 1/2; 2 OZ. J-3 59¢




PUSH-BUTTON SWITCH CHROME & BLACK, SINGLE HOLE MGT. NO. #J-3-PB 39¢

ALLIGATOR CLIP WITH PINCH SPIKE JAWS AND SCREW HOLDER FOR WIRE, 2" LONG.
12 FOR \$1.00

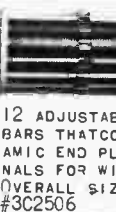


RADIO FREQUENCY SECTIONS TRANSMITTER - RECEIVER 418-462 MC PART OF R/T-7/APN1



TRANSMITTER SECTION OSCILLATOR CAN BE ADJUSTED BETWEEN 425-440 MC. WITH TWO 955 TUBES (NO WOBULATOR) HOUSED IN ALUMINUM CAN 2 1/2x3 x6"; 2 LBS. RE-MOVED FROM EQUIPMENT.
RECEIVER SECTION BALANCED. DETECTOR WITH 2-9004 TUBES. HOUSED IN ALUMINUM CAN 2 1/2x3 1/2x6; WT: 2 LBS.
RE-MOVED FROM EQUIPMENT
RT-7/APN-1 RECEIVER OR TRANSMITTER SUB-ASSEMBLY
PRICE: WITH TUBES... \$1.50
LESS ".75


R.F. TANK COIL BC-669
45 TURNS 14 WIRE WOUND ON BAKELITE FORM 2 1/2" DIA.
12 ADJUSTABLE SLIDERS ON BARS THAT COME THRU THE CERAMIC END PLATES WITH TERMINALS FOR WIRING.
OVERALL SIZE 7x3 1/2; WT: 5 LB. #3C2506 \$2.50



MAGNETIC AMPLIFIER SENSING UNIT; THIS UNIT HAS 8 TERMINALS AND WAS MFG. BY MAGNETIC AMPLIFIERS INC. THE SPECS. WE DO NOT HAVE AVAILABLE.
SIZE: 2x2x4; WT: 1 LB. MAC#60079.16 UNUSED \$1.50



VARIGON PHASE SHIFT CAPACITOR V-42. USED FOR ACCURATE MEASUREMENT OF TIME INTERVALS IN RADAR SYSTEMS.
CAPACITY OF INPUT PLATE TO HOUSING 4.4 MMF. OUTPUT PLATE 15.6 MMF, CAP. VAR. OF INPUT TO OUTPUT PLATE 1.2 TO 4.9 MMF. SIZE: 2 1/2x1; 1 LB. \$2.95



CAPACITY TUNER WITH AUTOTUNE 160 TO 211 MC WITH COND. RESISTORS 2/50-239 1/2C26 TUBE.
7 1/2x5 1/2x5 7 LBS. WITH TUBE \$2.95



RT-58/ARC-12 CHANNEL SELECTOR AND MOTOR ASSY. 10 POSITION AUTOTUNE MOTOR DRIVEN 16.5 VDC WITH 2 SHAFTS 60 RPM ALSO RELAYS. 4 1/2x6x3 1/2. 5 LB. #596C-1 \$2.95



MULTIPosition HI-Q SWITCH. 6 POLE 18 POSITION NON-SHORTING GOLD PLATED TERMINALS. SIZE 3x3x4 1/2, SHAFT 2x1 1/2 2 LBS. #5930-626-6224 H1-076C083 \$2.95



TAPE SOUND RECORDING TW-3U 7" REEL APPROX. 900' TAPE. USED RD-42 REEL #5835-1 WT: 1 LB.



COMMAND RECEIVER COILS

85 KC 1.F.	\$1.50
1415 KC 1.F.	\$1.50
2830 KC 1.F.	\$1.50
1415 KC OSC.	\$1.00
2830 KC OSC.	\$1.50
3 TO 6 MC RF	\$1.50
6 TO 9 MC RF	\$1.50

BUD TRANSMITTING COIL MOUNTED ON 5 PIN CERAMIC BASE FOR 40 METERS #3C804 \$1.00

MEISSNER COIL KIT FOR SIGNAL SHIFTERS, PLUG IN TYPE. THREE (3) COILS OSC. PLATE, OSC. GRID AND BUFFER, 5 & 6 PRONG BASES. SET OF 3 COILS 3C2500-52 2395-2835KC \$1 3C368-14 1000-1170KC \$1

465 KC 1.F. COIL SLUG TUNED IRON CORE #PC77366-7 \$.75

30 MC 1.F. COIL SLUG TUNED IRON CORE #227943.8 \$.50

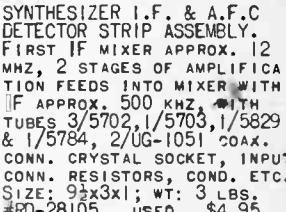
F.M. TUNER 88-108 MHZ
THREE TRANSISTORS IN R.F. OSCILLATOR & MIXER STAGES 10.7 MHZ OUTPUT. MINATURE CONSTRUCTION BY LEAR CO. SIZE: 2 1/2x1 1/2x1; WT: 4 OZ. LEAR#604-236 USED \$1.00



SYNTHESIZER I.F. & A.F.C DETECTOR STRIP ASSEMBLY. FIRST IF MIXER APPROX. 12 MHZ, 2 STAGES OF AMPLIFICATION FEEDS INTO MIXER WITH IF APPROX. 500 KHZ, WITH TUBES 3/5702, 1/5703, 1/5829 & 1/5784, 2/UG-1051 COAX. CONN. CRYSTAL SOCKET, INPUT CONN. RESISTORS, COND. ETC. SIZE: 9 1/2x3x1; WT: 3 LBS. #RD-28105 USED \$4.95

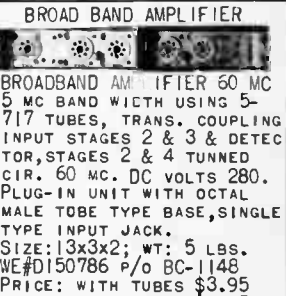


BROAD BAND AMPLIFIER




BROADBAND AMPLIFIER 60 MC
5 MC BAND WIDTH USING 5-717 TUBES, TRANS. COUPLING INPUT STAGES 2 & 3 & DETECTOR, STAGES 2 & 4 TUNED CIR. 60 MC. DC VOLTS 280. PLUG-IN UNIT WITH OCTAL MALE TUBE TYPE BASE, SINGLE TYPE INPUT JACK. SIZE: 13x3x2; WT: 5 LBS. WE#D150786 P/O BC-1148 PRICE: WITH TUBES \$3.95 LESS TUBES \$1.95

AUTOMATIC FREQUENCY CONTROL; TWO STAGE AMPLIFIER DESCRIMINATOR & DC AMPLIF. USING 2/6AC6 #16 & 1/6SQ7 TUBE. DISTANCE COUPLED INPUT. SLUG TUNED. TYPE 8 CONN. INT.



MULTIPosition HI-Q SWITCH. 6 POLE 18 POSITION NON-SHORTING GOLD PLATED TERMINALS. SIZE 3x3x4 1/2, SHAFT 2x1 1/2 2 LBS. #5930-626-6224 H1-076C083 \$2.95



TAPE SOUND RECORDING TW-3U 7" REEL APPROX. 900' TAPE. USED RD-42 REEL #5835-1 WT: 1 LB.



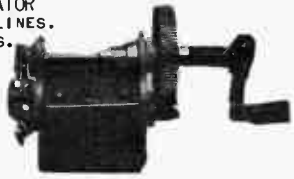
AC-DC Motors Hi-Speed Gear Reductions Blowers

MAGNETO GENERATOR

HAND TYPE MAGNETO GENERATOR USED TO RING TELEPHONE LINES. OUTPUT APPROX. 100 VOLTS. CAN BE USED AS A SHOCK MACHINE, LIGHT SMALL LAMPS OR DRIVE WORMS OUT OF THE GROUND BY WIRING THE OUTPUT TO METAL STAKES AND DRI VING THE STAKES IN- TO THE GROUND.

GN-38B GENERATOR (UPPER RIGHT) PERMANENT MAGNETS. SHPG. 1 1/2 LBS. SIZE: 5x3 1/2 x 2 1/2. USED \$3.95

G-25A GENERATOR (TO RIGHT) PERMANENT MAGNETS. SHPG. 1 LB. SIZE: 4 1/2 x 2 1/2 (ROUND) USED \$2.95



RATCHET MOTOR, 24 VOLT DC 60 RPM CONTINUOUS ALSO 3 POSITION STOP. BAND SWITCH ASSEMBLY AS USED IN R-5/ARN-7 COMPASS RECEIVER. UNIT WILL ALSO OPERATE ON 18 TO 24 VDC. SIZE: 3x4 1/2. WT: 1 1/2 LBS. STK# 609-ARN-7 PRICE: \$1.25

WESTINGHOUSE BUSINESS MACHINE MOTOR 25 MHP 115 VOLTS 50/60 CYCLE .5/4 AMPE TYPE FL 4.0/3.0 MFD. 1425/1725 RPM. SIZE: 4 1/2 x 4 x 4; WT: 5 LBS. SHAFT 5/16 x 3/4 FLATENED. FOR USE IN RUBBER SHOCK MOUNTING BRACKE PRICE: NEW \$4.95

TELETYPE MOTOR AC; 110 VOLT 60 CYCLI 1 PHASE, NON-SYNCHRONOUS, 1/25 HP, 1800 RPM, 1.25 AMP.; DOUBLE SHAFT 1 1/2 x 3/16 & 5/8 x 3/16, MOTOR SIZE 5 1/2 x 5 x 5; WT: 13 LBS. GE# 28478 USED \$4.95

LEECE-NEVILLE 24 VOLTS D.C. .75 H.P. 4500 R.P.M. 45 AMPS. SPLINED SHAFT 5/8" x 3/4", WITH FOUR HOLE MOUNTING BASE AND FOUR HOLE MOUNTING FL. 4 1/2 x 4 1/2, MOTOR SIZE 4x4x7; WT: 24 LBS. LE TYPE #1504M UNUSED \$7.95

OSTER SHUNT MOTOR B-9-1, 27 1/2 VOLTS D.C. @ .7 A. 5600 RPM FOR MOTOR, GEAR HEAD 22 & 5 1/2 R.P.M. SHAFT SIZE 1 x 1 1/2, OVER ALL SIZE 2 1/2 x 3 x 7. WT: 2 1/2 LB. PRICE: UNUSED \$1.95

GENERAL INDUSTRIES HEAVY DUTY PHONOGRAPH MOTOR: 115 VOLT 60 CYCLE 33 1/3 RPM. SIZE: 4x4 1/2 x 4; WT: 6 LBS. GI#4483 \$1.95

ALLIANCE PHONOGRAPH MOTOR 78 RPM AT FRICTION WHEEL, 110 VOLT 60 CYCLE. SIZE: 3 1/2 x 4 1/2 x 3; 3 LBS. ALL#78110 PRICE: \$1.00

PM MOTOR ASSEMBLY & GEAR TRAIN USED IN R-44 RECEIVER FOR REMOTE TUNING. CONTAINS DELCO PM MOTOR #5069370, 10,000 RPM ATTACHED TO A GEAR ASSY. THAT HAS TWO SHAFTS 80 RPM AND IS GEARED TO TWO SHAFTS WITH 3" & 1" GEARS THAT THAT TURN AT 40 & 80 RPM. ASSY SIZE 4 1/2 x 6 x 3; SHAFT SIZES 1/2 x 3/4 WT: 3 1/2 LBS. STK.#3H3100-15 PRICE: \$4.95

DELCO P.M. MOTOR 5067125, 27 1/2 VDC 10,000 RPM. 2/GOVERNOR AND TAPERED SHAFT 1/16 x 3/16, MOTOR SIZE 3x1x1. PRICE: USED \$3.95

DELCO MOTOR 27 vdc, 1/30 HP. 2.4 AMP 3600 RPM, SHAFT SIZE 1/2 x 1, MOTOR SIZE 2 1/2. WT: 1 1/2 LB. UNUSED \$2.95

DELCO P.M. MOTOR #5069466, 27.5 VDC IN ALUMINUM CASE GEARED TO WORM GEAR MOTOR SIZE 1 1/2 x 1 1/2 x 2 1/2, 10,000 RPM. CASE SIZE 2 1/2 x 2 1/2 LESS MTG. SIZE. WORM GEAR 2000 RPM, WT: 2 LBS. STK# 3H3100A-1 PRICE: \$2.95

Oster type C 24A-1B - KS-5829- 17/100 HP 7000 RPM DC 2" D X 3" L. Shaft UNUSED \$1.25

MERCURY MOTOR 24 TO 28 VOLT 60 CYCLE OPEN FRAME TYPE, APPROX 2500 TO 3000 RPM DEPENDING ON OPERATING VOLTAGE & LOAD. SIZE: 2 1/2 x 2 1/2 x 3; WT: 1 LB. #MER-MO2428 75#

EMC TYPE 300, 45 v 60 cyc, 6 1/2 12 VDC LIGHT OPEN FRAME 5x2 1/2 x 1 1/2; SHAFT 3/16 x 1; 1 LB. \$1.50

12 VOLT D.C MOTOR w/ MAKE & BREAK CONTACT, APPROX. 5000 RPM, 1/20HP SIZE 4 1/2 x 3; SHAFT 1" x 1/2; #N0T453 PRICE: \$1.95

Delco 5069370 27 VDC Reversible PM Motor and Gear assm. in an Aluminum case. Output speed is 80 RPM through a friction clutch to a double shaft 1/2 x 3/4 on one side, 1/2 x 1 1/2 on the other. Size complete assm. 3 5/8 x 2 x 4 1/2 excluding shaft. Has built in noise filter system. Wt. 1 lb. 5 oz. Price..... \$ 4.95

TG-10 KEYER MOTOR, 115 VOLT 60 CYCLE 1550 RPM, SHAFT 1-7/8", GEARED TO 80 RPM. SIZE: 3 1/2 x 3 1/2 x 4 1/2; WT: 3 LBS. #3H3000-3 REMOVED FROM TG-10 EQUIPMENT \$2.95

MOTOR OPEN FRAME, 117 V. 60 CYC 500 RPM 1 DIRECTION, 1000 OTHER. SHAFT 1/16 x 2; 2x3x4; #B30B 2LB \$1.

MOTOR 24 VDC, 2800 RPM, 6.5 AMP. 1/10 HP. SHAFT 1 x 1, REVERSIBLE. 5x3x3; 6 LB. EMERSON 0412 \$3.95

BENDIX BAND CHANGE MOTOR #AC56566-2 OPERATES FROM 28 VDC. THREE POSITION POSITIVE STOP. WITH SWITCHES & WAFER ASBY. SIZE: 6x3x2 WT: 1LB. PRICE: \$2.95

WE KS-5871-L01 MOTOR 28 VDC 3.3 A 5600 R.P.M. 1/25 H.P. SERIES WIND CONTINUOUS DUTY, REVERSIBLE, WITH SPEED GOVERNOR. (WILL ALSO OPERATE FROM 12 VDC AT REDUCED SPL SHAFT 1/2 x 2, MTR. 6 1/2 x 3 1/2; 5LB; U/U \$7.95

Bendix LM108J 24VDC 1/25 HP 15,000 RPM Series Motor. Geneva Loc. Actuator. Shaft rotates 1/2 revolution and stops and is locked in place until next contact is made then the cycle is repeated-time per cycle app. 3 seconds. Size 4 X 2 1/2 X 5 1/2. Shaft size 1/2 x 1/2. Wt. 1 lb. 14 oz. Price..... \$ 4.95

General Electric 58A25M424 - Type BA 24 V @ 4.2A 7100 RPM 1/20 HP Flange mount Motor size 2 1/2" X 5". Shaft size 1/2 x 1 Wt. 3 1/2 lbs. Price..... \$1.95

ELECTROLUX MOTOR 28.5 VDC. 1.8 AMPS. 2200 RPM. 1/35 H.P. SHAFT SIZE 1 1/2 x 1/2 MOTOR SIZE: 4 1/2 x 3 1/2; WT: 5 LBS. PRICE: \$3.95

LOW SPEED MOTOR; 230 v 60 cyc. 10 R.P.M WITH GEAR BOX, SHAFT 1/2 x 2" MOTOR SIZE 2 1/2 x 2 x 4; 2 LBS. \$1.95

EIGHTY (80) VOLT 60 CYCLE 78 RPM PHONO MOTOR ON MOUNTING PLATE. WILL ALSO OPERATE FROM 110 V W/RES. 3x3x3; 2LB \$5.9

DALMOTOR MODEL SH-42; 28 vdc, 1/4HP TWO SPEED, 9000 RPM 8 AMP. 3000 RPM 2 AMP. FL. MTG. 3/4 sq. SH. 5/16 x 1, GEAR 7/8, MOTOR SIZE 10 1/2 x 3 1/2, 15 LBS. PRICE: \$8.95

MERCURY MOTOR 8100, 115 VOLT 60 CYCLE, 1750 RPM, OPEN FRAME 3x2 1/2 x 2, SHAFT 1 x 1 1/2, WT: 1 LB. PRICE: \$1.00

GEARHEAD \$2.95 : GEARHEAD MOTOR : 115 VOLT 60 CY : 60 CYC. 54 : 3.44 RPM : OPEN FRAME : TYPE. F/LIGHT : USE. SHAFT 4" : 5/16, MOTOR : 6x2x3. 1 1/2 LB. \$1.95 : #9M203 UNUSED : #ZA-1056 UNUSED \$1.95

ART-13 MOTOR 28 VOLT D.C. 3900 RPM, 1/20 H.P. REVERSIBLE, BALL BEARING. (WILL OPERATE 12 VOLT SIZE 3x3x3 1/2; 2LB. #B-101/80 800. USED \$1.75 UNUSED \$2. 5

OSTER 10 CFM Blower John Oster motor G2EP-1A 27.5 VDC 1/100 HP 6000 RPM with blower 10CFM. Size 3 1/2 x 3 1/2 x 4 1/2 Wt 1 1/2 Motor & Blower \$3.95 Motor only 1.95

400 CYCLE BLOWER Eastern Air Devices 10 CFM Blower 115 Volt 400 cycle, 1/100 HP motor. Size 3 1/2 x 3 1/2 x 4 1/2 Wt. 1 lbs. PRICE: \$2.95

PINCOR BLOWER Cast Aluminum housing shunt type motor 24 VDC 5000 RPM, 10 CFM blower. Motor noise filtered. WT 1lb 10 oz. Size 3 1/2 x 4 1/2. PRICE: \$2.95

OPEN TYPE BLOWER Delco motor 5069267 27 vdc 6000 RPM, reversible shunt type, flange mount. WT 1 lb size 1-3/4 x 2-5/8 x 2 1/2. Motor-Blower \$1.95 Motor only \$1.50

DELCO PM MOTOR 12 VDC 10,000 RPM, GEARED TO ASSY. APPROX 250 TO PLASTIC WHEEL & POT. 4x3 1/2 x 2; 1 LB. #5092543/2 \$4.95

CAMERA MOTOR 12 V.D.C. OR A.C. 5000 R.P.M. DOUBLE END SHAFT 1/8 x 1/4, MOTOR 2 1/2 x 2 1/2. WT: 8 oz. #CM-120 \$1.95

B-701/R-107 MOTOR FROM AS-313/ARN-6 LOOP ANTENNA. OPERATES FROM 26 VOLT 400 CYCLE, WILL OPERATE FROM 12 VOLT 60 CYCLE. GEAR TRAIN ASSY APPROX. RPM. SIZE 3x2 1/2 x 3; w/3/8" GEAR. WT: 1 LB. PRICE: \$3.95

12/24 VOLT DC DUAL BLOWER APPROX. 50CFM 1500 RPM @ 12 100 CFM 3000 RPM @ 24 VOLT SIZE: 10x5x5; WT: 5 LB. U \$2.95

6 VDC FAN MOTOR 4500 R.P.M. SHAFT SIZE 1/2 x 1/2, MOTOR SIZE 2 1/2 x 2 1/2; WT: 1 LB. #FR-6-7B UNUSED \$1.00

115 VOLT 60 CYC. MOTOR 1/75 HP 1PM 1750 RPM w/3 1/2 x 1" WHEEL, SHAFT 5/16 MOTOR SIZE 5 1/2 x 4 1/2 x 4 2/BASE 5LB # SM-30-FR USED \$2.95

6 VDC PM MOTOR USED IN TOY APPL. DRAWS APPR. OX. 100 MA, NO LOAD. 1 1/2 x 1 1/2, SHAFT 1/2 x 1/16, 4 oz. 2000 RPM, FP-10-6 39# 3 FOR \$1.00

HARDWARE KIT: CONTAINS 50 CLAMPS OF 5 DIFFERENT SIZES, 20 SCREWS, 5 TYPES, 15 WASHERS, 7 LUGS, 4 HEX. NUTS, 18 SPAC ERG. #RC298 5Lb.75¢



RUBBER SHOCK MOUNTS
 4 LB. #4 \$.30
 6 " #6 .35
 10 " #10 .40
 12 " #12 .50
 16 " #16 .60
 24 " #24 .75
 35 " #5215 .75

OTHER TYPE MOUNTS AVAILABLE IN LIGHTER & HEAVIER. ADVISE NEED

TUBE SOCKETS

OCTAL CERAMIC 2 HOLE MTG. \$.25
 " " RING " .15
 " BLACK " " .15
 LOCTAL CERAMIC " " .20
 LOCTAL MICA 2 HOLE MTG. .15
 14 PIN MICA SMALL 1 1/2" MTG. .15
 4 PIN CERAMIC 2 HOLE MTG. .25
 5 " " RING " .28
 6 " " 2 HOLE " .29
 7 " " " " .29
 4/5/7/9 PIN WAFER " " EA. .10
 7/9 PIN MICA SMALL " " .20
 9 PIN CERAMIC " " .35
 METAL SHIELDS SMALL 7-9 " .10

829 CERAMIC SOCKET .75
 872 " " W/SHOULDER .75
 811/866 " " W/ .75

GIANT 4 CONTACT CERAMIC FOR 872, 211 ETC. 3 1/2" DI. GE#ML7461594-G1 PRICE: USED \$.39

GIANT 4 CONTACT CERAMIC SOCKET FOR 715, 718 ETC. 3 1/2" DI. STK#227684.98 PRICE: NEW \$.50

CERAMIC COIL FORM F/ ART-13 ANTENNA LOAD SIZE 2"x5". NO WIRE 50¢ WITH WIRE \$1.00

REGULATOR CURRENT AUTOMOTIVE TYPE OPEN FRAME 50 AMP. SIZE 2 1/2"x2 1/2"x1 1/2" LB. ORD.#G1026184433 DELCO#1884042 \$1.00

TERMINAL STRIPS WITH CLIPPED WIRES
 AMT. TERMINALS - 6 - 8 - 10 - 12 - 14
 1" WIDE EACH .15 .20 .25 .30 .35
 1 1/2" WIDE " .20 .25 .30 .35 .40

BINDING POSTS 7 ON A BAKE-LITE STRIP THUMB SCREW TYPE TERMINALS. REMOVED FROM EQUI PRICE: \$.35 EA. 3 FOR \$1

TELEPHONE SIGNAL DROP SWITCH BOARD UNIT WITH MOMENTARY & HOLD MULTI-CONTACT LEVER SW RING IN DROP RELAY & PHONE JACK. SIZE 1 1/2"x8x3. WT: 1 LB. #EE-2 \$.39 EA. 3/\$1 USED PL-11 PLUG ON 30" CORD \$.35 EA.

SW-118 SWITCH ASSY. SPST, ONE SIDE HOLDING ON - OTHER SIDE MOMENTARY ON, CENTER OFF SWITCH SIZE 2 1/2"x1, CASE SIZE 2 1/2"x1 PRICE: \$.35 EA. 3 FOR \$1.00

B-9A SWITCH ASSY SPDT CENTER OFF 5 AMP. 125 VOLTS TWO HOLE MTG. SIZE: EA. SW#3/4, X2X1. \$.35 EACH BANK OF FOUR \$1.

Capacitors



MFD	VDC	SIZE	PR	CE
24000	3	4x3 RD	\$1.00	
2000	15	1 1/2x4 1/2 RD	.59	
1000	50	"	.55	
3500	35	2 1/2x4 1/2 RD	1.00	
4000	40	2x4 RD	1.25	
7500	35	2 1/2x4 1/2	1.95	
8000	55	3x4 1/2 USED	1.00	
10000	50	2 1/2x4 1/2	2.50	
500	200	2x4 USED	1.00	

2	600	1 1/2x4 1/2	.25
4	600	3 1/2x2 1/2	.50
6	600	4 1/2x2 1/2	.75
7	600	4 x 4 x 2	.85
10	600	3 1/2x4 1/2	1.10
2 1/2x2 1/2	5	6x4x2	.75

MFD	VAC	SIZE	PRICE
1	1000	1 1/2x2 1/2	.50
2	1000	1 1/2x4 1/2	.95
15	1000	3 1/2x4 1/2	2.95
1-1-1	1200	3 1/2x3 1/2	1.00
1	2000	2 x 3 x 1	1.25

4000 MFD 40 VDC 2x4" RD.#T-1288 \$1.25

7500 MFD 35 VDC 2 1/2x4 1/2", #427388-155 \$1.95

10000 MFD 50 VDC 2 1/2x4 1/2", #36-1121 \$2.50

WESTERN ELECTRIC DI70563 CAPACITOR
 1-CAN .1 UF 5000 VDC
 2-3 1.0 UF 2000 "
 3-4 1.0 UF 2000 "
 SIZE: 5 1/2x5x2; WT: 3LB
 PRICE: \$1.95

10 MFD @ 2000 VDC 4 1/2x4 1/2x3 1/2; 3LBS. 5910-819-2151 \$5.95

2 MFD @ 4500 VDC 5x4x3; WT: 4 LBS. F350-7628821 \$5.95

MFD	VDC	SIZE	PRICE
4	1000	2 1/2x4 1/2	\$1.00
8	"	3 1/2x4 1/2	1.50
10	"	3 1/2x4 1/2	1.95
2	1500	2 1/2x4 1/2	1.00
15	1000	3 1/2x5 1/2	1.00
.01	7500	2 1/2x3 1/2 RD	1.25
1.0	4000	3 1/2x5 1/2	2.95

MFD	V.A.C	SIZE	PRICE
10	370	1 1/2x6RD	1.00
10	236	2 1/2x2x2 1/2	.50
4	470	2 1/2x2x1 1/2	.35

ABOVE MOTOR TYPE
 25 330 3 1/2x4 1/2x3 2.95
 15 440 3 1/2x4 1/2x2 2.95

MOTOR CAPACITOR, WESTINGHOUSE STYLE #773298, WIRING FOR CCW AND CW. SIZE: 6x5 1/2x3 1/2; 8Lb. \$4.95

HEAVY DUTY TAP SWITCH 6 POSITION 4 HOLE MOUNTING SIZE: 2 1/2x2 1/2x1 1/2 STK#329604-2 \$1.50

100 WATT Size 4 1/2x2-3/4"
 3/4" Make 3/Break #329626 \$2.50

ROTARY SWITCHES

ROTARY WAFER SELECTOR SWITCH CERAMIC, 6 DECK, 4 POLE 6 CONTACT. 7 1/2x2 1/2x2 1/2; 3 LB SHALLCROSS #10214 USED \$2.95

SWITCH ROTARY CERAMIC WAFER 5 DECK, 1 POLE, 9 POSITION 7x2x2; 1 1/2 LB. SIL.PL.CONT. #5930-185-0597 \$1.95 NEW

SWITCH ROTARY BAKELITE WAFER 8 POSITION, 3 SECTION, SECT. #1 NON-SHORTING TYPE CONT. SECT.#2&3 SHORTING TYPE CONTACTS. 3x2x2; WT: 8 OZ. #329825-75.4 NEW \$1.00

SWITCH ROTARY, 3 SECT; 5 SWITCHING POSITIONS, 6 MOVING, 36 FIXED CONT, 6 POLES 5 THROWS, COME, SHORTING & NON-SHORTING #329824-81.5 \$1.75

SWITCH ROTARY BAKELITE WAFER 2 DECK, 5 POSITION, 1 POLE MOMENTARY 5 POSIT, 2x2x2 #SW-145 39¢ EA. 3 FOR \$1

GE CERAMIC POWER SWITCHES 2 DECK 3 POSITION! 2x3 IN. GE#ML746812-G1/403 \$1.95

GE HEAVY DUTY CERAMIC, TWO DECK 4 BREAK 3 MAKE, 2x4" #ML7464910-G1/407 \$1.95
GE HEAVY DUTY CERAMIC, TWO DECK 3 POSITION, 3x4 1/2" #ML7762999-G1/397 \$1.95

SWITCH ROTARY ONE DECK, CERAMIC 11 POSITION, 2" DIA. NO. C-87/S601 75¢ EA.

SWITCH ROTARY CERAMIC TWO DECK FOUR POSITION, SINGLE HOLE MTG. 2" DIA. NO. C-87/S-602 75¢ EACH

SWITCH ROTARY, 2 DECK, 2 POE 4 CIRCUIT EA. DECK. 1 1/2x1" 329825-66.13 \$.50

SWITCH ROTARY, 5 DECK, 8 POS. ONE CIRCUIT. SIZE 2x3". MORRINGER RE-MOVED#58 \$.75

ROTARY SWITCH, SINGLE GANG 4 CIRCUIT WITH 2 CONTACTS FOR EACH. DIA. 1 1/2"x1". 329827.34 59¢ 2 FOR \$1.00

ROTARY SWITCH SINGLE 17 CONTACT DECK, ONE TIE DECK DIA. 2 1/2"x1 LANS. SW-942-249 75¢ EACH 2 FOR \$1.25

ROTARY ACTUATOR WILL OPERATE FROM 12-28 VDC, 12 POS ITION, 30 DEGREES EA. 2 1/2" SHAFT AND RODS FOR MOUNTING WAFER SWITCHES. MOUNTING 2 1/2x3, 1 1/2" H. WT: 1 LB. #M1167869G1 \$1.50

12 POSITION HEAVY DUTY TAP SWITCH BENDIX 10-34740 SIZE 3x1 1/2; 4 OZ. \$2.95

THREE DECK 8 POS. AND OFF MARKED ON 2" DIAL AND KNOE #329825-66.147 2x3" \$1.75

SELECTOR SWITCH TAP 12 POSITION 1 POLE 5 AMPS. NON-SHORTING 2 1/2x2 1/2x1 1/2; 1 LB. P/O RA-83 #329825-4 40.2 \$2.50

Kits \$1.00

DISC CERAMIC CONDENSERS 33 ASST. 15MMF-.01MFD Good Value \$1.00 a KIT

TUBULAR CONDENSER 50 ASST. .00025 to .1 200 to 2800 V \$1.00 a KIT

MICA CONDENSERS 25 ASST. 10 MMFD TO 6800 MMFD. \$1.00 a KIT

TRIMMER CONDENSERS 25 ASST. 3 TO 280MMF WIDE RANGE \$1.00 KIT.

RESISTORS INSULATED 50 ASST. 1/2, 1 & 2 Watt wide range of good values 50 ASSORTED \$1.00

RESISTORS WIREMOUNT 25 ASST. 5 to 20 Watt. Wide range of values some tapped. 25 ASST \$1.00

VOLUME CONTROLS 10 ASST. Popular Values \$1.00

TUBE SOCKETS 20 ASST. Octals Locals Minatures Wafers etc \$1.00

PILOT LIGHT SOCKETS 25 ASST Bayonet Screw etc. \$1.00

TERMINAL STRIPS, Tie lug strips, ASST types. 25 for \$1.00

TERMINAL LUGS, ring spade, crimp types. Wide variety of sizes for all uses in clear plastic box, Approx 200 PCS \$1.00

ROTARY SWITCHES BRAND NEW 6 for \$1.00

BATHUR CONDENSER KIT 3 MFD. to 1 MFD. up to 400 Volt. 10 for \$1.00
HARDWARE KIT NUTS, WASHERS SCREWS, RIVET GROMMETS ETC. 1 1/2LBS. \$1.00

ELECTRO DATA PLUG IN COMPUTER ASSY. 5 DIODES, 37 RESIS TORS, 17 CAPACITORS, 7/9 PIN TUBE SOCKET VOL. CONTROL, PLUG. 1 1/2x2 1/2x7 1/2; 3 LBS. #EDP-42 59¢ 2/\$1

PE-109B INVERTER FILTER MALLORY NF-1-2/ LELAND B-2037, REF.120 STK.#3H2575-109B 8 1/2x3x2 1/2; WT: 2LB New \$1.50

FT-498 SHOCK MOUNTING WITH FOUR 10 LB. RUBBER MOUNTS ON A ALUMINUM PLATE 13x8x1 1/2; WT: 2 LBS. PRICE: \$1.00

VOLTAGE REGULATOR INPUT 21-30 V.D.C 5 AMPS. REGULATION 18-30 VDC #451-281 SIZE: 4x3; 3LBS. \$1.50

ALARM BELL OPERATES ON 24 VDC. 4 1/2x4 1/2x2 1/2 #561-3 \$1.25

AUDIO FILTER Model XX3 Wiring Schematic

ELECTRO-VOICE FILTER EVXX3 IS A AUDIO FREQ. FILTER THROUGH WHICH TWO AUDIC AMPLIFIERS CAN BE CONNECTED TO 2 SPEAKER SYSTEMS. ALL BASS FREQ. BELOW 300 CPS ARE PASSED TO ONE SIDE OF THE SYSTEM WHILE THE HIGHER FREQ. ARE PASSED WITHOUT CHANGE TO BOTH SYS TEMS. IN A STEREO SYSTEM THIS ELIMINATES THE NEED FOR 2 FULL RANGE SYSTEMS. CAN ALSO BE ADAPTED TO OTHER USES. #EVXX3F 5 1/2x4 1/2x5 1/2; 8 LBS. NEW \$2.95


T-39 MICROPHONE AND CHEST UNIT THAT WAS USED TO CARRY DRY CELL BATTERIES. PHONE JACK AND 1 FT. CABLE WITH 8 RECEPTAL PLUG. ON-OFF SWI AND FUSE HOLDER. INSIDE DIMENSIONS 5 1/2x1 1/2x9. WT: 6 1/2 UNUSED \$2.95 USED \$1.95

WIRE WOUND OR CARBON 1% OR BETTER GOOD VALUES. \$1.00 50 TINY CAPACITORS SELECTED TINY ASST PAPER & CERAMIC X GOOD VALUES. \$1.00


WIRE ASSORTMENT SIX 25 FT. COILS FULLY INSULATED STANDARD SIZES TINNED COPPER ASST. COLORS \$1.00

MINIMUM ORDER \$3.00


Power Transformer Filament Modulation Microphone Chokes




PRI: 115/230 60 cyc
SEC: 800 CT. 120 MA
6.4 4.5 AMP
5 2 "
6.3 6 "
6.4 4.50 MA
Size 5x5x6 WT. 13 lbs.
Stock # 229621-380
PRICE: \$2.95




PRI: 110v 60cyc-2
PRI: 220v 60cyc-3
SEC: 6.3v .9A 4-5
6.3v .3A 6-7
24v .9A 8-9
500VCT 35MA
TERMINALS 10-12
CT TER. 11 WT. 4L
3x3x3 1/2 PRN-13-317
A TO D. \$1.95




PRI: 90 V 60cyc
SEC: 6400 V. 3
APPROX. 50 MA.
5x6x6; WT: 15 LBS
#D-12B-3553
\$14.95




PRI: 115v. 50-60c
SEC: 580vct 70 MA
6.3 " 1.5 A
5.0 v 2.0 "
TEST VOLTS 1750
3x3x3 1/2; 6 LBS.
#5950-648-6862
\$3.95




MODULATION TRANSFORMER
Watts 20 Response
Response 200-5000-1DB
Pri. 2 6000 SEC. 2 6000
Collins #677-2010-00
Size 2 1/2 x 2 1/2 x 3 1/2 lbs
Stock # 229634.53
Price \$2.95




PRI: 115v 60 cyc
SEC: 1200vct 200MA
12.5 2 AMP.
12.5 2 AMP.
5.0 3 AMP.
4x4x4 1/2; 12 LBS.
FAIR-617 \$12.50
BUILT FOR COMMAND
TRANSMITTERS ETC.




PRI: 115v 60cyc
SEC: 200vct 2 A.
4x3 1/2 x 4 1/2; 8 LBS
#1FX46-16
\$4.95



PRI: 115 v 60 cyc.
SEC: 1080 CT. 142 MA.
6.3 1 AMP.
6.3 2 AMP.
5 3 AMP.
Size 5x5x5 1/2 WT. 14 lbs
Stock # 229613.52
PRICE: \$3.95




PRI: 115/230 60c
SEC: 800 CT ALSO
TAPPED 310, 374
426, 536, 70 MA
6.3 1.02A.
6.3 1.5 A.
6.3 0.60A.
3x3x3 1/2; 5 LBS.
#5950-679-2094
\$1.95



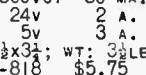
AUTO VIBRATOR TRANSFORMER
VIBRATOR 12/115CY
SEC: 248CT 90 MA
1 2.4 AM
115 CYCLE
SIZE: 2 1/2 x 3 1/2 x 3 WT4
STK # 229625-75
PRICE: \$1.50



SEC: 650vct 50MA
6.3 " 5 A
10.2 " 13 A
25VCT 4 A
RCA #K901467-502
SIZE: 6x6x6; WT: 25
PRICE: \$5.95




TEKTRONIX # 310
OSCILLOSCOPE
PRI 20-0058-00
PRI: 117 v.
50 to 800cyc
SEC: 205v 120 MA.
135v 150 "
205v 75 "
6.3v 3 AMP
6.3v 4 "
6.3v 6.2 "
6.3v 0.6 "
6.3v 0.6 "
4 1/2 x 3 1/2 x 3 1/2; 8 LBS.
5950-688-6598
\$9.95




PRI: 115v 60 cyc.
SEC: 500vct 80 MA.
24v 2 A.
5v 3 A.
2 1/2 x 2 1/2 x 3 1/2; WT: 3 1/2 LB
FAIR-818 \$5.75
UPRIGHT CASED
BUILT FOR COMMAND
REC, BC-603, 683 ETC.



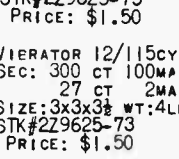
TS-239 SCOPE
TRANSFORMER
115V 50-2600V
735V 7MA 61CV
205MA 300V @
75MA 5v @ 2AMP
6.3v @ 6 AMP.
6.3v @ 6 "
#29619.168
SIZE: 3 1/2 x 3 1/2 x 3 1/2; 7Lbs. \$9.95




PRI: 117 v 60cyc
SEC: 1840vct 200MA
1350 WORK V
4 1/2 x 6 x 4; 18 LBS.
#5950-841-2633
\$7.95



PRI: 115 V/50-60C
SEC: 720 CT/200MA
12.6 3 A
6.6 10 A
5.25 3 A
S/5x4 1/2 x 5 1/2 WT:
STK # 203533
PRICE: \$4.95



VIBRATOR 12/115CY
SEC: 300 CT 100MA.
27 CT 2MA.
SIZE: 3x3x3 1/2 WT: 4LB
STK # 229625-73
PRICE: \$1.50



PRI: 115v 60 cyc
SEC: 1080vct 226MA
6x5x4 1/2; 15 LBS.
#5950-762-9822
\$6.95



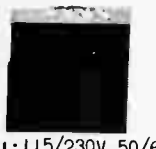
MODULATION TRANSFORMER
WATTS: 75
PRI: 200-250 OHM
SEC: GRID 813 TUBE
WITH SIDETONE
SIZE: 2 1/2 x 3 1/2 x 3 1/2 WT 2 1/2
STK # GE 7465620-1
PRICE: \$2.95




PRI: 115v. 60 cyc
SEC: 22 v 3 AMP.
3x2x1 1/2 OPEN FRAME
2 LB # SP-419 \$1.50




PRI: 115v 60cyc
SEC: 520vct 30MA.
6.3v 2 A.
3x2x2 1/2; 3 LBS.
5950-646-5586
\$2.95



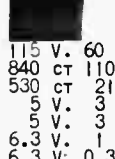
PRI: 115/230V 50/60
SEC: 1200vct 350MA
6.3v 8 AMP
5.3vct 6
6x5 1/2 x 4 1/2 25 LBS.
#T-201/PP-115
\$8.95



POTENTIAL TRANS
PRI: 1/2/4/10/20/
40/100/200/400
0/1000/2000 V.
SEC: 40 V 100 MA
6x7x4 1/2; WT: 20 LB
ESPEY # 4 16, 271
\$5.95



PRI: 95/105/115/125
190/210/230/250
SEC: 2/4/6/8 @ 225
MA. 90/100/110/
@ 225 MA. ALSO
SEC. #2 115 V.
@ 500 MA.
4 1/2 x 5 1/2 x 4; WT: 13 LBS.
#KLEINSCHMIDT 5399
\$7.95




PRI: 115 V. 60 CYC
SEC: 840 CT 110 MA
530 CT 21 "
5 V 3 AMP
5 V 3 "
5 V 3 "
6.3 V 1 "
6.3 V 0.3 "
5 1/2 x 4 1/2 x 4 1/2; WT: 14 LB
RAYTHEON #UX9117A
\$3.95



MODULATION TRANSFORMER
100 Watt
RESPONSE 200 to 5000
PRI: 7000 SEC: 7000
F/BC-191/375 TRANS.
Size 3x4x5 WT. 5 1/2 lbs.
Stock # 206191/T1
Price \$3.95



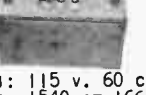
PRI: 115/115v 50/60
SEC: 26.4 v 1.70 A
26.4 v 1.35 A.
3 1/2 x 3 1/2 x 3 1/2; 4 LBS.
5950-645-3854
\$3.95



PRI: 120 v 50-60cyc
124 VA
SEC: 225v 40MA
850 v CT 250MA
6x4x5 WT. 16 LBS
BENDIX #N217388-1
PRICE: \$5.95



PRI: 115v. 60 cyc
SEC: 740vct 375 MA
6x6 1/2 x 4 1/2; WT: 20 LB
GE #K34J250 \$6.95




PRI: 115 v. 60 CY
SEC: 1540 CT. 166A
1230 CT. 257A
BOTH VOLTAGES ONE
WINDING
5.1 4.5A
6.5 4.0A
6.5 .5A
7 1/2 x 6 1/2 x 6 1/2; WT: 35 LBS
STK # 229613.53
\$7.95



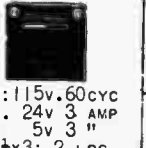
PRI: 115 v 60cyc
SEC: 550vct 120MA
17v 1.2 A
5v 3.0 A
6.3v 11.1A
4 1/2 x 4 1/2 x 5 1/2 12 LBS.
#5950-194-9065
\$4.95



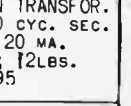
PRI 115/115v 60cy
SEC 2500 VCT C
.450 AMPS D.C
7x7x6 1/2; 45 LBS.
MOTOROLA 2250D1013
\$18.95




MODULATION TRANSFORMER
100 WATT
RESPONSE 200 to 5000
PRI: 7000 SEC: 7000
F/BC-191/375 TRANS.
Size 3x4x5 WT. 5 1/2 lbs.
Stock # 206191/T1
Price \$3.95




PRI: 115v. 60cyc
SEC: 24v 3 AMP
5v 3 "
3x2x3; 2 LBS
FA-6705 \$2.95



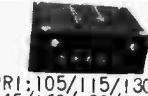
PRI: 115 V 60 CYC
SEC: 6200 V 81MA.
LOWER TAPS ON PRI
5800 V 76MA
5400 V 71MA
SEC. TEST V 7500
SIZE: 8 1/2 x 5 1/2 x 7; WT: 30 LBS.
#5950-645-6792 PRICE: \$14.95



PRI: 115v 60 cyc
SEC: 660vct 350 MA.
6.3v 6.0 A.
5.3v 5.0 A.
6x6 1/2 x 4 1/2; 20 LBS.
GE #K34J533 \$5.95




PRI: 115 V 60CYC
SEC: 850CT 280MA
280CT 10MA
5 v 5 A.
6.3 v 600MA
36 v 5 A.
5 1/2 x 5 1/2 x 7 1/2; 28 LBS.
#5950-646-3943
\$6.95



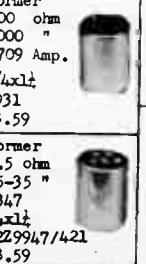
PRI: 105/115/130/
145/160/180/200/
225/250/v 25-60CYC
SEC: 780vct 35MA.
2.5 v @ 2 AMP
6.3 v @ 4 "
5 1/2 x 5 1/2 x 4 1/2; 13 LBS.
229619-2 \$2.95



FOR RA-62 RECTIF.
USED TO POWER
SCR-522 REC-TRANS
PRI: 110/220 VOLT
40-60 CYCLE
SEC: DC VOLTAGES
300 @ 230 MA
BIAS 150 @ 8 "
13.4 @ 3.9 A.
6x5x8; 30 LBS.
#3340-296-862-192
PRICE: \$7.95



MODULATION TRANSFORMER
100 WATT
RESPONSE 200 to 5000
PRI: 7000 SEC: 7000
F/BC-191/375 TRANS.
Size 3x4x5 WT. 5 1/2 lbs.
Stock # 206191/T1
Price \$3.95




CUNCER TRANSFORMERS
Transformer
Pri: 100 ohm
Sec: 4000 "
PO/BC-709 Amp.
3/4x3/4x1 1/2
ST# 229931
Price \$.59
Transformer
Pri: 1.5 ohm
Sec: 35-35 "
PO/BC-347
3/4x3/4x1 1/2
Stock # 229947/421
Price \$.59



PRI: 117 v 50-60cyc
SEC: 700 vdc TEST
2.5v @ 1.75A
2.5v @ 2.1A
1250v @ 2 MA
3 1/2 x 4 1/2 WT. 7 1/2 LB
15-3377
PRICE: \$4.95


TRANSFORMERS



PRI: 115v. 50/60 CY
SEC: 36v 1.5 AMP.
24V 2.0 "
24V 2.0 "
4.5V 2.5 "
4 1/2 x 4 1/2 x 4 1/2 LBS.
#5950-655-0874
\$6.95



1-177
TUBE CHECKER
TRANSFORMER
SIZE: 4 1/2 x 4 1/2 x 5 1/2 LB
STK # 229613.667
PRICE: \$4.95



PRI: 117 V. 60 CY
SEC: 12.7/14.5
77 WATT 5 AMPS.
5x5x5; 12 LBS.
#5950-199-2297
\$4.95




PRI: 144 V 50/60CY
1 PH. 3.4/2.32 KVA
SEC: 23 V FULL LOAD
RMS-2500 V. MAGNATRON
SIZE: 13x15x11; 200LB
FSN: 950-183-4659
PRICE: \$30.00



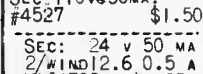
PRI: 115 V. 60 CY
SEC: 2.5V 1.75A
2.5V 1.75A
6.3V .6 A
3 1/2 x 5 3/4; WT: 8 LBS
#229611.127 \$1.95



ALL PRIMARIES
115 VOLT 60 CYCLE
SIZE: 2x1 1/2 x 1 1/2; 4oz



PRI: 115 V. 60 CY
SEC: 2.2 V.
ALSO TAPPED WIND.
0-60V 10 TAPS 4
VOLTS EA. 1 TAP
20V. HV AMPS 4. LOW
EST. VOLTAGE 20 A.
6x4x5; WT: 25 LBS
#6120-473-6811
\$7.95




PRI: 220/400V 60CYC
SEC: 110V 50MA.
#4527 \$1.50

SEC: 24 V 50 MA
2/WIND 12.6 0.5 A
MW#4523 \$1.25

SEC: 24 V 250 MA
MW#4528 \$1.00

SEC: 125 VOLT 35 MA
12.6 " 330 "
MW4534 \$1.50

SEC: 25V 30 MA
2/WIND 12.6V 1 A.
MW#4530 CASE \$2.



TF45X02YY
THREE PHASE
PRI 171V 50-450CY
SEC 28V & 40A
6 1/2 x 7 1/2 x 9 1/2 WT. 45 LBS
PRICE: \$14.95

OUTPUT

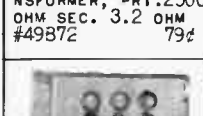
OUTPUT TRANSFORMER
30 WATT
\$3.95

PRI: 8000 OHM
SEC: 4/8/15 OHM
3x3x3 1/2; WT: 2LB
#TG-10/27291

2 WATT OUTPUT TRANSFORMER, PRI. 2500 OHM SEC. 3.2 OHM #49B72 79¢




MICROPHONE TRANS
PRI: 40 OHMS
SEC: 75000 "
SIZE: 1 1/2 x 1 1/2 x 2
WT: 2 OZ.
#229986-2/RM-12
PRICE: 75¢

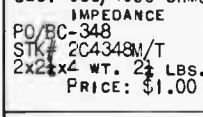


888

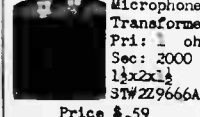
AUDIO OUTPUT TRANS
PRI: 450 OHMS
SEC: 300/4000 OHMS
IMPEDANCE
PO/BC-348
STK # 204348M/T
2x2 1/2 x 4 WT. 2 1/2 LBS.
PRICE: \$1.00



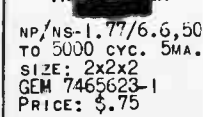
MICROPHONE
PRI: 14.5-21 OHM
SEC: 4475-6500 OHMS
CARBON MIC.
2 1/2 x 3 1/2 x 2 1/2
#P7752352G1
\$1.00



OUTPUT TRANSFORMER
NP/NS-1.77/6.6, 50
TO 5000 CYC. 5MA.
SIZE: 2x2x2
GEM 7465623-1
PRICE: \$.75



Microphone Transformer
Pri: 1 ohm
Sec: 2000
Size: 2x2x2
1 1/2 x 2 1/2 x 1 1/2
STK#229666A
Price \$.59



OUTPUT TRANSFORMER
PRI: 7000 OHM CT
SEC: 265 " " 80 " " "
ONE WINDING
POWER: 62.5 WATTS
RESPONSE: 1 DB
20-20,000 CPS
SIZE: 4 1/2 x 6 x 4; 20 L
TF1A13MA \$4.95

LOW VOLTAGE TRANSFORMERS

ALL PRIMARIES 105/110/115
120/125 VOLTS 60 CYCLE.

SEC: 6.6 V 18 AMP.
3 1/2 x 5 1/2 x 4; 13 LBS.
GE#9T35Y159 \$3.95

SEC: 6.6 V 10 AMP.
4x3 1/2 x 4; 9 LBS.
GE#9T35Y158 \$2.95

SEC: 6.6 V 10 AMP & 6.6VCT
1 AMP. 5x4x3 1/2; 10 LBS.
GE#9T35Y181 \$3.25

ALL PRIMARIES 115 V 60CYC

SEC: 6.3VCT 3A & 5V 6 AMP.
3 1/2 x 4 1/2 x 4 1/2; 4 LB;
#229611.106 \$4.95

SEC: 6.4V .5 AMP. #229613-
245; 2 1/2 x 2 1/2 x 3 1/2; 2LB. \$1.25

SEC: 6.3V 1.2 A. 2 1/2 x 3 1/2 x 2 1/2 "
1LB. 5950-827-9318 \$1.50

SEC: 6.3V 1 A. 2 1/2 x 3 1/2 x 2 1/2 "
ESC-363-D T49081 \$1.25

PRI: 230V 60 CYC
SEC: 6.3V 30A OF 5.67x30A
4 1/2 x 5 1/2 x 3 1/2; 13LB#6510 \$4.95

FILAMENT TRANSFORMER

PRI: 70/100/140/200
60 CYC

SEC: 12.6 CT .7 A
6.3 CT .9 A
6.3 CT 1.5 A
6.3 CT 1.5 A
2.5 KV TEST
SIZE: 5 1/2 x 3 x 4 WT 5
STK# GE-7465625-PI
PRICE: \$2.95

SEC: 6.3 V 3.1 AMP.
6.3 V 2.5 " "
6.3 V 0.45 " "
6.3 V 0.30 " "
5.0 V 2.0 " "
5.0 V 2.0 " "

3 1/2 x 4 1/2 x 3; 4 LBS.
#TF1A01JA \$3.95

PRI: 115 V. 60 CYC
SEC: 5 V. 2 AMP
5 V. 2 " "

4 1/2 x 5 1/2 x 2 1/2; WT: 8 LB
#229611.389 \$1.95

MICROPHONE TRANSFORMER
PRI: IMPEDANCE 50 OHM 30MA
SEC: IMPEDANCE 500 OHM
FREQ. RESPONSE 400-1900CPS
SIZE: 1 1/2 x 1 1/2 x 1 1/2; WT: 8 OZ.
\$.100 T-204/PP-115


LINE TRANSFORMER INPUT

PRI: IMPEDANCE 500 OHM CT
SEC: " 500 "
FREQ. RESPONSE 600-12000CP
SIZE: 2 1/2 x 2 1/2 x 2; WT: 1 LB.
T-203/PP-115 \$1.50

HIGH AUDIO

ALTEC LANSING 70W
OUTPUT TRANSFORMER
PRI: 3300 OHM CT
SEC: 250 & 500 OHM
SIZE: 4 1/2 x 5 x 4 1/2
WT. 13 LBS.
STK# TMJ-217A
PRICE: \$2.95

HIGH VOLTAGE TRANSFORMERS



PRI: 115 VOLT 50/60 CYCLE
3.75 KVA
SEC: 7500/3750 V 5.3 KVA
MAX. DC OPER. 4.25 KVA
RMS 17 KV.
SIZE: 17x10x12; WT: 250LBS
FSN 5950-189-6498
PRICE: \$75.00

PRI: 105-125V
50-60CYC
SEC: 110V CT @
250 MA
SIZE: 5 1/2 x 5 1/2 x 4 1/2
WT. 16 LBS.
UTC 52336
\$6.95

PRI: 105/110/115
120/125V 54-66CYC
SEC: 365V TAPPED
335 V @ 500 MA.
4 1/2 x 5 1/2 x 3 1/2; 9 LB.
#ADCA8691 \$2.95

PRI: 105-110-115-
120-125
SEC: 365 V 775 MA
TAP. 340 V 525 MA
850CT 30 MA
5 V 2 A
6x7x5 1/2 30 LBS.
#GE7415214
\$4.95

PRI: 105-110-115
120-125
SEC: 560CT 75 MA
365 V 150 MA
TAP 335 V
3 1/2 x 5 x 3 " 8 LBS.
#TF1A02JA
\$1.95

PRI: 117 V 60 CYC
SEC: 450 V 140 MA
12-6 20 AM
5.0 2 "
4 1/2 x 6 x 4; 15 LB
EDD 10493 \$6.95

PRI: 117V 60-400CYC
SEC: 750 VCT 55 MA
5.0
6.3 V @ 5 AMPS
3 1/2 x 3 x 4 WT 5 LBS.
#271-P-1 \$2.95

CIRCUIT PROTECTED
PRI: 110/220/440
50/60 CYCLE
SEC: 24 V 6 AMP.
6 V 1 "

CIRCUIT RESET
BREAKER 10 AMP.
FOR 4 1/2 " SQ. BOX
MTG. ALSO 2 1/2 " TER
MINAL BOX W/KNOCK
OUTS.
SIZE: 7x4 1/2 x 5; 10LBS
FOSTER#D11586
PRICE: \$6.95

PRI: 115 V. 60 CYC
SEC: 58 V. 2 AMP.
15 V. 5 " "
4x4x3 1/2; 6 LBS.
82-30-8421 \$4.95

SAME INPUT, SIZE, WEIGHT
AS ABOVE, SECONDARY 54 V.
2 A. TAPPED 2V. 13V 5 A.
#82-92-1103 \$4.95

PRI: 120V 50/60CY
SEC: 25V 3 VA
(120 V. A.)
SIZE: 2 1/2 x 1 1/2 x 1 1/2 MOUN
TED ON 4 1/2 " ELECT.
BOX PLATE THAT
CAN BE REMOVED.
WT: 1LB. #AT75A1036
\$1.00

VOLTAGE REGULATED
PRI: 90-130 VOLT
50/60 CYCLE
SEC: 29 VOLT 6 AM
SIZE: 8x5 1/2 x 4 1/2; 20 LB
PHOENIX#PX-2017B
PRICE: \$5.95

AUTO-ISOLATION
STEP-UP/STEP DOWN



PRI: 115 V 60 C
SEC: 6.3 V 3.6 A
15 V. 0.04 A
15 V. 0.04 A
SIZE: 3x3 1/2 x 3 1/2 LBS
STK#ORD7629806
PRICE: \$1.50

PRI: 95/105/115/
125/190/210/230/
250V. 50/60 CYCLE
600 WATT.
SEC: 3 TAPS, VOLTAGE
DEPENDS ON PRIMARY
TAPS USED.
5x7x5; 18 LBS.
229605.3 \$8.95

CONSTANT VOLTAGE
PRI: 95 TO 130 V.
60 CYCLE
SEC: 5.5 V 12 AMP
3 1/2 x 4 x 4 1/2; 16 LBS.
SOLA #302473
#5950-578-8875
\$9.95

PRI: 115 V. 60 CYCLE
SEC: 4 V. 75 AMPS.
TRANSFORMER FOR SOLD
ERING PLIERS. USED
CONDITION, NO CONNEC-
TORS FOR PLIERS.
4x4x4 1/2; WT: 15 LBS.
10EA#72B \$7.50

PRI: 115V 60 CYC
SEC: 2/6.3V 1.2A
SIZE: 3 1/2 x 2 1/2 x 5
WT. 4 1/2 LBS.
#7629809

PRI: 115V 60CYC
SEC: 40-0-40V .18A
3x3x5 WT. 5LBS
#7629808
\$1.50

PRI: 115V 60 CYC
SEC: 5.7V 21.8A
3 1/2 x 4 x 5 WT. 9LB
GE-7469149
PRICE: \$6.95

PRI: 115V 60CYC
SEC: 58 V. 2 AMP.
15 V. 5 " "
4x4x3 1/2; 6 LBS.
82-30-8421 \$4.95

PRI: 200/220/240V
50-60 CYC
SEC: 10V CT @ 10A
4x4 1/2 x 5 1/2 WT. 11LBS
THERMAOR CS-8705
PRICE: \$3.95

PRI: 115V 60CY
SEC: 375.5V
@.016A
7.1V @ 1.15A
2 1/2 x 2 1/2; 1LB
229619-62 \$2.95

FURANCE CONTROL
PRI: 120 V 50/60 CYC
SEC: 25 V 50 V/.
(.8 AMP.)
SIZE: 2 1/2 x 2 1/2 x 2; 3 LB.
4 1/2 " ELECTRIC BOX
MTG. WHICH CAN BE
REMOVED. #AT30A-
1023-1 \$1.25

PRI: 115 V 60 CYC
SEC: 6.3 V 2.75 A.
6.3 V 5.5 A.
SIZE: 3 1/2 x 4 1/2 x 3 1/2 LBS
STK#ORD7629805
PRICE: \$2.50

PRI: 115 V 60 CYC
SEC: 6.3 V 4 AMP
SIZE: 4x3x3 1/2 5 LBS.
STK#ORD7629823
PRICE: \$1.50

PRI: 120V 50-60CYC.
SEC: 5V CT @ 10.8A
WT. 8 LBS.
#1 217247-1
PRICE: \$3.95

PRIMARY VOLTS
81, 163 & 230
50/60 CYCLE
SECONDARY VOLTS
12 CT. 3 1/2 AMPS
12 CT. 3 " "
13 CT. 3 " "
@ 115V 2/16V-3A 1/17V
10A. SIZE 4x7x7 18LBS.
GE#7466333 \$5.95

PRI: 110V 60 CYC
SEC: 6.3V 2A
12.6V 1.5A
SIZE: 2 1/2 x 2 1/2 x 4
WT. 4 LBS.
5950-556-1826
\$2.50

PRI: 115V 60 CYC
SEC: 5.7V 21.8A
3 1/2 x 4 x 5 WT. 9LB
GE-7469149
PRICE: \$6.95

PRI: 120 V 60 CY
SEC: 2.5 V 10 A.
NO CT. INS. 10M.
4 1/2 x 3 1/2 x 5; 8 LBS.
#229611.144
\$2.95

PRI: 115V 60CY
SEC: 375.5V
@.016A
7.1V @ 1.15A
2 1/2 x 2 1/2; 1LB
229619-62 \$2.95

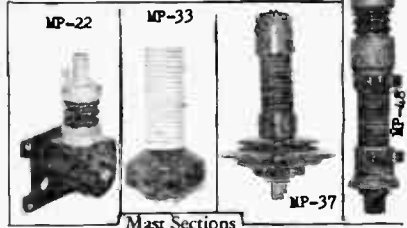
PRI: 115V 60CY
SEC: 375.5V
@.016A
7.1V @ 1.15A
2 1/2 x 2 1/2; 1LB
229619-62 \$2.95

PRI: 115V 50-133CY
SEC: 20 VOLT LOAD
OR 12.5V @ 2 AMPS
MOUNTED ON 4 " RD.
ELECT. BOX COVER
3x3x2 1/2; 2 LBS.
#FR-24960 \$1.25

Chokes							

ANTENNAS

Mast Bases



Mast Sections

3 ft. Tubular steel, cooper coated and painted sections. These screw together to make any desired length. MS-49 being the top & smallest section increasing in size through MS-50-51-52-53 to MS-54 being the larger one. Either the MS-53 or MS-54 will fit together to form any additional height desired. Example a 33 ft. vertical may consist of one each MS-49, 50, 51, 52, and 7 each of MS-53 or it may be finished out on the bottom with 6 MS-54 sections. Self support to about 18ft. Average Wt. app. 3/4lbs. MS-49-50-51-52-53 .50ea. MS-54 .75ea

MP-22 SIDE MOUNT SWIVEL MAST BASE WILL TIF TO 90° EITHER RIGHT OR LEFT. HAS A SPRING SNAP LOCK IN THE VERTICAL POSITION, WILL TAKE EITHER THE MS-53 OR MS-54 MAST SECTIONS. SIZE MTG. PLATE 5"x6"x10" HIGH. WT. 9 LBS. PRICE.....\$4.95
 MP-22A SAME AS ABOVE EXCEPT MOUNTING HOLE IS FOR THE MS-51 WITH THE MS-49, MS-50 AND MS-51. THIS WILL MAKE A 9 FT. TAPERED ANTENNA. PRICE...\$4.75

WHIP ANTENNA 7' EXTENDED, 15 IN. COLLAPSED #CCI-51C48 2 LBS \$1.00



CU-168 ANTENNA COUPLER; PROVIDES MEANS FOR OPERATING 5 RECEIVERS FROM ONE ANT. UNBALANCED LINE INPUT NOM. IMPEDANCE 70 OHMS ON OUTPUT ALSO. FREQ. RANGE 2 - 32 MC. EACH COUPLING CIRCUIT HAS 4/12AU7 TUBES. POWER REQ. 115v. 50-400CY. RACK MTG. 19x8 1/2. WITH TUBES, UG-21 COAX. CONN. & MANUAL. WT. 75 LBS. UNUSED \$29.95

PARABOLIC ANTENNA

DISH PAN TYPE, FOUR (4) FOOT DIAMETER ALUMINUM PAINTED GREY, 21" FEED FOR APPROX. 7100 MC. THREE INCH ROUND MTG. FOR WAVE GUIDE SIZE 1-5/16 x 5/8, FOUR (4) MOUNTING STUDS WITH HARDWARE. PHILCO#463-2252-1. SHPG. WT. IN CRATE 225 LBS. PRICE: \$29.95 DEFROST ATTACHMENT \$5.00 EXT LESS FEED SHIPPED IN CARTON WT. 75 LBS. SLIGHTLY DENTED \$15.00 FEED \$5



REFLECTORS

MICROWAVE, PLANE TYPE CONFIGURATION, ALUMINUM, NOT PERFORATED. MOUNTED BY FRAME WORK OF REFLECTOR AND BRACKETS WITH HARDWARE, GUYS AND ADJUSTMENT FOR AZIMUTH. SIZE: 8 FOOT X 6 FOOT, NET WT. 125 LBS. SHPG. WT. 375. PRICE: \$50.00



AS-150/ ART Whip Antenna 30" long with 8ft. matching coax cable & 30-239 plug. \$1.50
 AS-97/ART Whip same as above except 72"rod. 1.95
 AS-27/ARN-5 Horizontal folded dipole as used with RC-103, EC-733, ARN-5 Equip. on airplanes. 108-110 MC. UNUSED \$5.95
 AB-148 Dipole Antenna 150 to 180 MC. 2.95
 AN-104A Stub Antenna f/SCR-522 100-156MC. 1.95



AS-27

AN-148



APS-2 REFLECTOR

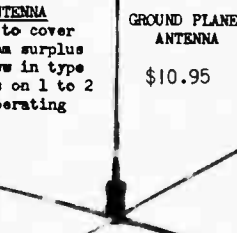
POLISHED SPUN ALUMINUM. BAND CAN BE REMOVED. DIAMETER 29" x 27" FOCAL LENGTH 5" HOLE DIAMETER 2 1/2" SHPG. WEIGHT 6 LBS. PRICE: \$5.95

IN-86

STRAIN INSULATOR Size 1x3 4 for \$1.

GROUND PLANE ANTENNA Ground plane antenna to cover 20 to 50 MC. Made from surplus insulated base & screw in type mast sections. Mounts on 1 to 2 inch pipe. Specify operating frequency range. \$10.95

AN-45 TELESCOPING ANTENNA 8 FT. \$1.95



GROUND PLANE ANTENNA

\$10.95

INSULATOR TERMINAL STRIP 8 feed thru insulators size 1/2 x 1, mounted on 1 x 9 terminal strip. Each strip \$.35 Four strips \$1.00

ANTENNA PHOSPHOR BRONZE #16 1 CONDUCTOR WITH 2 SNAPS & SLIDE CONNECTOR, INSULATED. AN-22 " 20 " .65



ANTENNA PHOSPHOR BRONZE #16 1 CONDUCTOR WITH 2 SNAPS & SLIDE CONNECTOR, INSULATED. AN-22 " 20 " .65

AS-125/APR ANTENNA; FOR USE w/RECEIVERS IN THE 1000-6000 MC. FREQ. RANGE, 6" MOUNTING w/HARD. JG-22 COAX. RECEPTACLE. SIZE: 6x8; 4LB. \$2.95 UG-21 COAX. CONNECTOR TO FIT ANTENNA 50¢



AT-598/APT WHIP ANTENNA 30 1/2" LG. WITH COAX. REC. F/UG-100A/U. WT: 5 LBS. \$1.50 MATCHING COAXIAL LINE RG-14 11" w/2UG-100, 1 UG-109 \$2.

AT-35 DIPOLE ANTENNA 200-250 MC. COAXIAL CONN. WT: 2LBS. WITH UG-22 2A288A-35 \$1.50

SPREADER INSULATORS WHITE CERA 3/4" x 4", 23" HOLE CENTERS. \$.25 EACH 5 FOR \$1.00 3/4" x 12", 10" HOLE CENTERS \$.45 EACH, 3 FOR \$1.25



AN AN AN MP AN 109 130 745 74 75

AN-139 WHIP ANTENNA: 5 FT. TAPERED 1/4 TO 1/8 PRICES: \$1.50 EACH SIX (6) FOR \$3.00

AN-117 WHIP ANTENNA: 6 FT. TAPERED 5/8 TO 1/8 PRICES: \$1.50 EACH SIX (6) FOR \$3.00

TRANSMITTING LEAD-IN INSULATOR, 15" LG. THREADED ROD w/CONE INSULATORS 2/x2x1 EA. END, 8" ADJUSTABLE INS. BETWEEN CONES. #4238, 2LB \$1.00

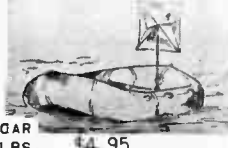
AN-745 TELESCOPING WHIP 8 FT. TAPER 5/8-1/8 PRICE: \$1.00 EACH SIX (6) FOR \$4.00

AN-130 GOOSENECK WHIP 30", SCREW BASE FITS INSULATOR LISTED BELOW. PRICE: \$1.00 EACH SIX (6) FOR \$4.00

AN-20T CHROME TELESCOPING 20" PRICE: \$.50 EACH SIX (6) FOR \$2.00

2A-124 ALUMINUM ROD 3/8" x 6 FT. NO TAPER PRICE: .75 EACH SIX (6) FOR \$3.00

MX-138A TARGET CORNER REFLECTOR FOR RAFT RESCUE. CONSISTS OF A CUBE & 6 ARMS 28" LG. 12 REFLECTING FABRIC TRIANGLE ATTACHED TO ARMS & FACE OF CUBE. ADAPTER IS PROVIDED FOR ATTACHING TO GAR SHIPPED FOLDED, WT: 2 1/2 LBS. \$4.95



ANTENNA COUPLER FOR REMOTE OPERATION. RANGE APPROX. 2 TO 24 MC. 200 WATTS. MOTORIZED VARIABLE VACUUM CAPACITOR 300 MMF. 7500 VOLTS. ALSO ROTARY INDUCTOR, SERVO MOTORS, FAN, 10 PLATE TYPE RELAYS SWITCHES, CAPACITORS, RESISTOR TUBES 4/5727, 2/5670, 3/6201 ETC. SIZE: 24x7x8. WT: 25 LBS. #5821-658-3692 PRICE: USED \$29.95



LP-21LM LOOP ANTENNA USED FOR AIRCRAFT RADIO COMPASS 200-1500 KC. CONTAINS CK-2 MOTOR AND MC-507 AUTOSYN COMPENSATOR THAT OPERATE FROM 26 V. 400 CYC. USED IN CONJUNCTION WITH I-81 OR I-82 INDICATORS SHOWN ON PAGE 30 OF CATALOG. WILL ALSO WORK ON 60 CYC BUT NOT AS ACCURATE. SIZE: 20x16x10; WT: 15 LBS. PRICE: USED \$9.95 PL-112-198 SET \$4.00



AS-69/APT 535-700 MC. TWO CROSS DIPOLES BENT DOWNWARD TOWARDS A SCREEN REFLECTOR (REFLECTOR NOT SUPPLIED) 1/2 WAVE TRANS. 1/2 WAVE PHASING. TAKES UG-21 CONN. 6" MOUNTING. 9 1/2" Hx8" D. 8LB. \$9.95



MN-20 MANUAL ROTATABLE LOOP ANTENNA, USED AS A DIRECTION FINDING ANTENNA IN THE 150 TO 1500 Kc FREQ. RANGE WITH MN-26 & RA-10 RECEIVERS OR ANY OTHER TYPE IN THIS RANGE USED \$2.95 UNUSED \$3.95



MN-52 AZIMUTH CONTROL BOX w/0-360 DEG. DIAL, LIGHT & CRANK USED WITH MC-124 FLEXIBLE SHAFT THAT IS CONNECTED TO THE LOOP AND WHEN CRANK IS TURNED LOOP TURN UNUSED \$2.95

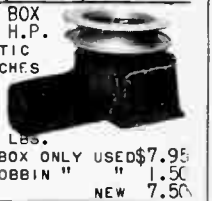
MC-124 FLEXIBLE SHAFT FOR USE WITH LOOP AND CONTROL BOX, 5 1/2 FT. \$1.95 EACH EXTRA FT. 25¢ SPECIFY/SHIP CLOSE

CABLE FOR ANTENNA LEADIN 5 WIRE SHIELEE WITH PLUG TO FIT LOOP OTHER END BARE WIRE 8 FT. LG. #AC58267 \$1.95

AS-313/ARN-6 LOOP ANTENNA WITH MOTOR AND AUTOSYN TRANSMITTER. USED WITH ARN-6 RADIO COMPASS THAT TUNES FROM 200 TO 1750 KC, OPERATES FROM 26 VOLT 400 CYCLE SIZE: 10x11x5; WT: 15 LBS. PRICE: (AS ILLUSTRATED) USED \$7.95



RL-42 REEL MOTOR GEAR BOX 24 VOLT D.C MOTOR 1/8 H.P. REVERSIBLE WITH MAGNETIC CLUTCH AND LIMIT SWITCHES USED IN AIRCRAFT FOR LETTING OUT AND REELING IN ANTENNA WIRE. SIZE: 12x4x4 1/2; WT: 10 LBS. PRICES: MOTOR & GEAR BOX ONLY USED \$7.95 MC-235 REEL BOBBIN " " 1.50 MOTOR ONLY NEW 7.50



A-27 PHANTOM ANTENNA USED w/BC-653/191 100 W. TRANSMITTERS FOR TUNING & LOADING. CONTAINS 0-150 MMF, WIDE SPACED 3/16" VARIABLE COND. & 2/12 OHM 40 W. NON-INDUCTIVE RES. IN MET AL BOX w/KNOB & 0-100 SCALE. WT: 3 LBS. 3 1/2 x 7 1/4; PRICE: USED \$1.95 RE-NEW \$2.95



AERIAL MATCHING UNIT NO. CI ZA/CAN 9268. FREQ. RANGE 2 TO 8 MC. 50 TO 100 WATT, DEPENDING ON FREQ. CONTAINS VARIABLE CAPACITOR, TWO VARIABLE INDUCTANCE TUNERS, COUNTERS FOR PA TUNE AND ANTENNA TUNE. ALSO 1 1/2" "VU" METER ETC SIZE: 8x5x10; WT: 8 LBS. PRICE: USED \$18.95



WITH COVER

SMALL ANTENNA INSULATORS Insulating material made of polystyrene Size 1x1 1/2 Mtg. hole 3/4" Receptacle size 3/8x2 1/4 TH. STOCK # 223021-227 Fits ANT. AN-130, 131, Size 7/8x1 1/2 Mtg. hole 5/8" Receptacle size 1/2 x 20 TH. Fits any of the UHF Rods Stock # 223062-237 Specify type each \$.75



NEON LIGHTING ARRESTOR HI-POWER 4 for \$1

CABLES

NEW COAXIAL CABLE

NEW MANUFACTURE AND BRANDED WITH STANDARD TYPE NUMBERS TO MIL-R-17A SPECIFICATIONS.

PRICES LISTED FOR LENGTHS INDICATED, IN-BETWEEN LENGTHS USE THE HIGHER PRICE. LESS THAN 100 FEET ADD 10% TO HIGHEST PRICE

	100 FEET	500 FEET	1000 FEET	5000 FEET
RG-8/U	52 OHM .12	.11	.10	.10
RG-11/U	75 OHM .14	.13	.12	.11
RG-58/U	53 " .05	.05	.05	.04
RG-59/U	73 " .07	.06	.06	.05

PRICES ARE PER FOOT

NEW COAXIAL CONNECTORS

SO-239	PL-259	M-359	PL-258 JUNCTION
\$.45 EA.	\$.45 EA.	\$.49 EA.	\$.89 EA.
10 OR MORE	10 OR MORE	10 OR MORE	10 OR MORE
\$.39 EA.	\$.39 EA.	\$.45 EA.	\$.80 EA.

TYPE MAYBE ASSORTED TO OBTAIN THE LOW PRICE

Coaxial Cable FOR LESS THAN 3c Per Foot!

RG-54 A/U CABLE-



DESIGNED FOR LONG LIFE & CONSTANT ATTENUATION 58 OHMS, .250 OD. WITH POLYETHYLENE JACKET.

370 FOOT ROLL \$10.00 70 FOOT ROLL \$1.95

LESS THAN SPECIFIED LENGTHS .03 PER FOOT

COAX CABLE ASSY.

TYPE OHMS LENGTH CONNECTOR STOCK# PRICE

RG-98/U	51	25 FT.	2/UG-21	GEP19	\$2.25
RG-58/U	53	26FT	UG-88/2	GEP19	1.50
RG-22/U	95	40FT	PL/284	CD-879	.75
RG-22/U	95	46FT	PL-284	CD-878	.80
RG-22/U	95	50FT	PL-284	CD-877	1.00
RG-62/U	93	22FT	2/UG-88	CG-1410	.75
RG-62/U	93	35FT	2/UG-88	CG-1410	1.00
RG-62/U	93	130FT	2/UG-88	CG-1410	1.95

CABLES FOR SETS

CABLE #	PLUG #	LENGTH	USED	1TH PRICE
3E7243-2	GK12-23	52 IN.	TCS/REC-PS	\$2.75
3E7273-19	SKC16-23	29 IN.	TCS/TRS-PS	2.75
CD-515		48 IN.	BC-669	5.95
CD-501	F/BC-654 & PE-103			4.95
CD-548	2EA P1118	9 FT.	TEST SET	4.95
CD-549	2/ PL-112	9 FT.	TEST SET	4.95
CD-526	2/ PL-153	5 FT.	274 N SERIES	4.95
CD-532	2/ PL-152	5 FT.		2.75
CD-509		8 FT.	BC-659/620	2.75

COAX CONNETORS USED

UG-260/U	BNC	PLUG	USED	.20	EA.	6	FOR \$1.00
UG-290/U	"	RECPT	"	.20	"	6	" 1.00
UG-291/U	"	PANEL J	"	.25	"	5	" 1.00
UG-88 /U	"	PLUG	"	.28	"	6	" 1.00
SO-239	UHF	CHASS	NEW	.45	"	5	" 2.00
PL-259	"	PLUG	"	.45	"	5	" 2.00
M-359	"	ELBOW	"	.49	"	5	" 2.25
UG-21	N	PLUG	USED	.59	"	5	" 1.00
UG-22	"	PANEL	USED	.39	"	3	" 1.00
UG-23	"	JACK	"	.39	"	3	" 1.00

UG-29SPEC.	BULK.	"	USED	.79	"	2	" 1.50
UG-100/U	L.N.	PLUG	"	.59	"	2	" 1.00
UG-100	SPEC. REC.	CHAS.	"	.59	"	2	" 1.00
UG-109/U	L.N.	ST. AD.	"	.79	"	2	" 1.50
10H/528	Eng.	CHAS.	REC	.59	"	2	" 1.00
10H/702	"	90 DEG.	USED	.59	"	2	" 1.00
10H/1366	"	STRAIGHT	"	.59	"	2	" 1.00
UG-260/U	BNC	RG-71/U	5" TO BULKHEAD	.39	"	N	.39
SAME AS ABOVE	W/90DEG.	UG	"	"	"	N	.39
UG-260/U	BNC	RG-71/U	9" TO UG-291/U	.59	"	N	.59
UG-260B/U	BNC	"	3" TO UG-262/U	.59	"	N	.59



JACKSON MODEL 665-J-2 VOLT-OHM-MILLIAMMETER
RANGES: AC/DC VOLTS 0-3/15/30/150/300
DC MILLS 0-3/15/150/300/1500
OHMS X1 & X-100
LESS METER, WHICH WAS 4" SQ WITH SCALE 0-30 & 0-150.
SIZE: 8 1/2 x 4 1/2; WT: 5 LBS.
USED \$3.95

DUMMY LOAD

AN/URM-13 DUMMY LOAD FOR TRANSMITTER IN THE 100-400 MC RANGE 5 TO 20 WATTS.
DA-36/URM-13 DUMMY LOAD WITH UG-21 COAX. CONN. AND FOUR MAZADA 1476 LAMPS, FOUR EXTRA LAMPS AND 1 UG-83 ADAPTER THAT ADAPTS UG-21 TO PL-259, IN METAL BOX 2 1/2 x 4 1/2 x 2 1/2; 1 LB.
PRICE: USED \$2.95



TS-238/TS-207 ECHO BOX WITH .200 DC MICROAMPERES METER 3" AND CRYSTAL ADAPTER FOR RF ENERGY. ECHO BOX IS A RESONANT-CAVITY DEVICE DESIGNED TO SIMPLIFY THE TUNING AND CHECKING OF RADAR BY PROVIDING A ARTIFICIAL OR "PHANTOM TARGET WHICH MAY BE USED IN USED IN TUNING THE RECEIVER TO THE TRANSMITTER IF NO REAL TARGETS ARE AVAIL. PROVIDES A CLEAR, STEADY ECHO OF KNOWN CHARACTERISTICS WHEN SUCH AN ECH IS NOT OBTAINABLE FROM NEAR BY GROUND TARGETS. REQUIRES UG-21 COAX. CONN. SIZE: 11x15x7; WT: 15 LBS. PRICE: RE-NEW \$15.00 UG-21 COAXIAL CONNECTOR FOR ABOVE UNIT. 75c



MA-1 RANGE SERVO TEST SET USED FOR TESTING AND TROUBLE SHOOTING AIR FORCE TYPE E "A" SERIES RANGE SERVOS. SPECIFICALLY, THE TEST PROVIDES A MEANS OF MEASURING THE VARIOUS OPERATING VOLTAGES OF THE RANGE SERVO UNUSER TEST AND LOCALIZING THE TROUBLE WITHIN A RADAR GUNSIGHT SYSTEM. CONTAINS 3 1/2" 50 MICRO-AMP METER WITH 0-60 0-150 SCALES IN RED FOR ACV & 0-50/500 VDC SCALE IN BLK. SELECTOR SWITCHES, INDICATOR LIGHTS AND FOUR GORN CONNECTORS 12M & 12F WHICH ARE MALE & FEMALE 12 CONTACT ALSO CABLE WITH MATCHING DETACH PLUGS.
SIZE: 10 1/2 x 10 1/2 IN ALUMINUM CASE. WT. 18 LBS.
PRICE: RE-NEW \$15.00

IDENTIFICATION SET

RT-82/APX-6 RADAR IDENTIFICATION SET RECEIVER-TRANSMITTER COVERING RANGE OF 950-1150 MC. IF FREQ 59.5/1.5MC. (CAN BE CONVERTED TO 1215MC. QST FEB. '61) SETP. '60; 1296MC. QST JUNE '61). WITH (30) TUBES 6/6J6, 1/6AS6, 1/3E29, 3/6AL5, 1/5Y3, 2/3B24, 3/6AL5, 2/12AU7, 7/6AK5, 1/2C42, 1/2C46, 1/1B40, 1/1N-43, 1/1N-25
DIGIT COUNTERS ON TUNERS FOR TRANS-REC-LO FREQ. CONTROLS. VOLTAGE REQUIRED 24 AND 115 400/800 CYCLE. SIZE 13x13x10; WT: 45 LBS. \$39.50
PRICES: USED \$18.95 Gov't RE-COND.

APX-6 R.F. HEAD A-403 P/O RF-29 WITH COUNTERS AND ANTENNA INPUT. USES TUBES 2C42, 2C46 & 1B40
8x8x3; WT: 6 LB. \$8.95



TS-328A/U FREQUENCY METER 480 CYCLE POCKET TYPE IN CASE W/TEST LEADS, 9 REEDS 380-420 CYCLE 3x6x4; 2LBS.
PRICE: USED \$7.95

T-650 AC OUTPUT METER; SCALES 0-1.5/6/15/60/150 SIZE: 3x6x3; WT: 3 LBS.
USED AS-18\$2.



URC-4 TEST SET
TS-684/URM-30 ANALYZER FOR URC-4 RADIO SET, ALIGNMENT AND TESTING CONTAINS 0-1 MA METER, METERING SWITCH, CRYSTAL OSCILLATOR, ANTENNA CABLES ETC. IN METAL CARRYING CASE. SIZE: 6x6x4; WT: 4 LBS. NEW \$8.95

BC-221 FREQ. METER



HIS IS A SIMPLE ACCURATE AND RELIABLE CRYSTAL CALIBRATED FREQUENCY INDICATING INSTRUMENT FOR USE IN THE 125 TO 20,000 KC. RANGE, WITH A NORMAL OPERATING ACCURACY OF LESS THAN .02%. CAN ALSO BE USED AS A SIGNAL GENERATOR OR VARIABLE FREQ. OSCILLATOR.

OPERATING VOLTAGE REQUIRED FOR DRY CELL OPERATION 6 VDC .9 AMP. & 135 VDC 20 MA.
SIZE: 10x13 1/2x10; WT: 25 LBS.

UNITS MAY BE IN WOOD OR METAL CASES VARIOUS LETTERS, COMPLETE WITH TUBES, CRYSTAL, ORIGINAL CALIBRATION BOOK. USED SERVICEABLE \$65.00
PRICE: USED CHECKED FOR OPERATIONS \$79.50

BC-221 FREQUENCY METER LESS CALIBRATION BOOK NOT CHECKED FOR OPERATION, OTHERWISE COMPLETE
PRICE: \$45.00

TS-175 FREQUENCY METER 85 TO 1000 MC, SAME TYPE AS BC-221, LESS CALIBRATION BOOK AND NOT OPERATING, OTHERWISE COMPLETE W/MODULATION
PRICE: \$50.00

TS-170/ARN-5 TEST OSCILLATOR USED FOR PRE-FLIGHT CHECKING OF GLIDE PATH RECEIVERS SENSITIVITY AND AUDIC CHANNELS. CRYSTAL CONTROLLED ON THREE PRESELECTED FREQ. 332.6, 333.8 335 MC. MODULATION FREQ. 90 & 150 CYC. METER IS 2" 0-1 DC MILLIAMETER. BATTERIES REQUIRED 2/1.5 VDC AND 2/45 VDC. WT: 29 LBS.
SIZE: 12x16x12; Used \$12.95

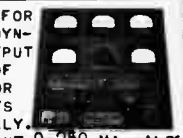


RECEIVER



BC 229 RECEIVER A.M. T.R.F. 20 TO 398 KC AND 2500 TO 7700 KC BY USE OF PLUG IN COILS SUPPLIED WITH THE REC WITH SIX TUBES 1/37, 1/38 & 4/39. POWER REQUIRED FOR FILAMENT 12 VOLTS, HIGH VOLTAGE APPROX 200 TO 250 VOLTS D.C @ 80 MA.
SIZE: 16x8x7; WT: 15 LBS.
PRICE: UNUSED WITH TUBES AND COILS \$9.95
CONNECTOR PLUG (1) REQ. \$1.50 TUNING KNOB \$1 A.C. POWER SUPPLY 115 VOLT 60 CYCLE WITH SPEAKER CONNECTING CABLE & PLUG IN METAL CABINET, SWITCH & PILOT LIGHT. NEW \$19.95

1-83 DYNAMOTOR TEST SET USED FOR CHECKING 14 VOLT OR 28 VOLT DYNAMOTORS. VARIABLE INPUT & OUTPUT CONTROLS ENABLE SIMULATION OF LOAD CONDITIONS. 3" METERS FOR MEASURING INPUT & OUTPUT VOLTS U-35 VDC & 500 VDC RESPECTIVELY. INPUT CURRENT 0-10 AMPS, OUTPUT 0-250 MA. ALSO METER FOR MEASURING PERCENTAGE OF RIPPLE IN THE INPUT & OUTPUT. (THIS IS NOT A DC POWER SUPPLY ONLY A TEST UNIT) SIZE: 12 1/2 x 12 1/2 x 10 1/2; WT 23
PRICE: USED \$18.95
CONNECTOR, CABLE & TERMINAL STRIP... \$2.75



30 MC TRF RECEIVER



R-38C/MPN- RECEIVER 30 MC T.R.F. PULSE RECEPTION RADAR "S-X" WITH AFC AND GAIN CONTROLS ALSO TEST JACKS. 117 V 60 CYCLE, VOLTAGE REQUIRED POWER SUPPLY. WITH TUBES 2/6SN7, 2/6V6, 1/884, 1/1V11, 7/6AC7, 1/6H6, 2/5R4GY, 3/6B4G, 2/6SJ7, 2/VR-105, 1/VR-150. RACK MTG. 19"x8x20"; WT: 100 LBS.
PRICE: WITH TUBES \$25.00

FREQUENCY POWER METER

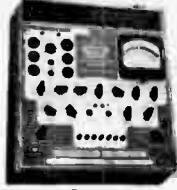


FREQUENCY POWER METER ME-51/UP FREQUENCY COUNTER 1100-3999 CALIBRATED TO FREQUENCY 3100MC TO 3500 MC. HAS 0-1.5 MA; 0-25 MW METER. WITH CABLES. IN METAL CARRYING CASE. 18 LBS. 8 1/2 x 9 1/2 x 9 1/2
USED \$15.00

DYNAMOTOR TESTER



TS-414 DYNAMOTOR TESTER
THIS EQUIPMENT PROVIDES A MEANS OF TESTING DYNAMOTORS OF SEVERAL TYPES UNDER LOAD CONDITIONS. PROVISION IS MADE FOR THE MEASUREMENT OF INPUT VOLTAGE, OUTPUT CURRENT, OUTPUT VOLTAGE, OUTPUT RIPPLE VOLTAGE OF BOTH SINGLE AND MULTIPLE OUTPUT DYNAMOTORS. METERS; INPUT D.C.V.; INPUT AC VOLTS RMS; DC OUTPUT CURRENT; DC OUTPUT VOLTS POWER REQUIRED; 14/28 VDC, 50 AMPS. \$35.00
SIZE: 27x21x17 1/2; WT. 100 LBS.

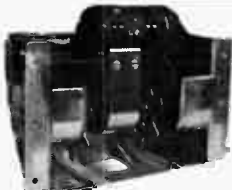


STARK TUBE CHECKER 9-66 OR DYNAMIC MUTUAL CONDUCTANCE TYPE DESIGNED TO PROVIDE EITHER REPLACE-GOOD READINGS OR MUTUAL CONDUCTANCE VALUES IN MICROHMS OF VACUUM TUBE USED IN RECEIVERS & TRANSMITTERS WITH PROVISIONS FOR LOCATING SHORTS & LEAKAGE BETWEEN ELEMENTS ALSO NOISE TEST. ROLLER TYPE CHART FOR TUBE SETTINGS. NEW CHARTS CAN BE OBTAINED FROM MFG. WHEN NECESSARY.
SIZE: 18x17x8; WT: 45 LBS. USED \$65 CHKD \$75



TS-147B/UP MICROWAVE SIGNAL GENERATOR
PORTABLE UNIT DESIGNED TO TEST AND ADJUST RADAR, RADAR CON AND MICROWAVE COMMUNICATION SYSTEMS OPERATING IN THE FREQUENCY RANGE OF 8500 TO 9600 MC. PROVIDES EITHER FM OR CW TEST SIGNALS OF KNOWN POWER LEVEL & FREQUENCY. THIS UNIT CONTAINS A DIRECT READING FREQ. METER AND POWER LEVEL METER WHICH POWER REFERENCED TO ONE MILLIWATT (DRM). USED TO MEASURE THE FREQ. AND POWER LEVEL OF THE INPUT AND OUTPUT SIGNALS. SPECTRUM WIDTH, FREQ. CHANGE, RECOVERY TIME AND STANDING WAVE RATIO. CAN ALSO BE MODULATED EXTERNALLY. OPERATES FROM 115 VOLT 50-1600 CYCLES. LESS CABLES, PLUGS, ADAPTER, PICK UP HORN. SIZE: 11x18x12 1/2; WT: 35 LBS. USED
TS-147A/UP SIGNAL GENERATOR \$49.50
TS-147C/UP " " \$75.00

BOOSTER



G4M AMMUNITION BOOSTER ASSEMBLY; GEARHO MOTOR MOUNTED IN A "U" TYPE FRAME WITH THE SHAFT AND SPROCKETS INSIDE THE "U", SPROCKETS ARE 3 3/4" DIA. & 3 1/2" APART. MOTOR OPERATES FROM 24 VOLT 400 CYC 3 PHASE BUT BY USING 4 MFD. CAPACITOR MOTOR WILL OPERATE FROM 24 V. 60 CYC AT 20 RPM FOR SPROCKETS, USE OF HIGHER CAPACITY WILL INCREASE RPM AND TORQUE. (INSTRUCTIONS FURNISHED)
OUTER FRAME OF STAINLESS STEEL EASILY REMOVED MOTOR & "U" FRAME SIZE 7 1/2x2 1/2x5 1/2; WT: 10 LBS. CE#T-9160256-G4M UNUSED \$4.95



BC-604 TRANSMITTER
FREQ. RANGE 20-27.9 MC OUTPUT APPROX. 30 WATT. 10 CRYSTAL CONTROLLED CHANNELS. FREQ. 54 TIME CRYSTAL FREQUENCY 12 VOLT DC OPERATION WITH DM-35 DYNAMOTOR. 24 VOLT DC OPERATION WITH DM-37 DYNAMOTOR. BATTERY DRAIN 20A. ON 12 VOLT TUBE LINEUP; 1619 DOUBLER, 1619 TRIPLER, 1619 1ST RF AMPLIFIER, 1619 RF RECTIFIER, 1624 PWR AMPLIFIER.
SIZE: 18" L x 11 1/2" H x 10 3/8" D. WT: 60 LBS. LESS DYNAMOTOR. RE-NEW \$9.95

FT-237 MOUNTING BASE RE-NEW \$9.95

SHOCK MOUNT BASE TO HOLD ONE BC-924 TRANSMITTER AND ONE OR TWO BC-923 RECEIVER OR, ONE BC-603 RECEIVER. SOCKETS ON THE BASE WILL MAKE ALL OF THE NECESSARY CONNECTIONS TO THE SETS. TERMINAL BLOCK MOUNTED ON THE BASE FOR REMOTE CONTROL CABLE. WT: 44 LBS SIZE: 11 3/4" W x 1 3/4" H x 33 5/8" L.

1-61 TEST SET
FOR TRANSMISSION MEASURING

PORTABLE BATTERY OPERATED UNIT USED TO MEASURE LOSSES OR GAINS IN CIRCUITS OR APPARATUS. AUDIO OSCILLATOR FREQUENCIES OF 500, 1000 AND 2500 CYCLES WITH LEVELS OF -40DBM, -20 DBM OR U DBM INTO A 600 OHM LOAD, THE RECEIVING AMPLIFIER IS CALIBRATED TO MEASURE LEVELS FROM A 600 OHM SOURCE BETWEEN -50 DBM & 15 DBM IN STEPS OF 0.5 DBM OVER THE FREQUENCY RANGE OF 100 TO 10,000 CYC THE 0 DBM IS ONE MILLIWATT IN 600 OHMS. UNIT ALSO CONTAINS A EE-88 FIELD TELEPHONE, BATTERY OPERATED ASSY. WITH A TS-9 HANDSET. AND BE PURCHASED WITHOUT THIS ASSEMBLY. COMES IN WOOD CARRING CASE 18 1/2x10x11, WT: 47 LB PRICE, COMPLETE WITH TELEPHONE ASSY & TS-9 USED \$29.95 RE-NEW \$39.50
LESS TEL. ASSY " 19.95 " 29.50

MD-34/ARA-8 MODULATOR KEYING UNIT
AUTOMATIC HOMING KEYING ASSY. THAT OPERATES FROM 24 VDC MOTOR THAT IS CONNECTED TO A WORM GEAR WHICH ACTUATES THE CODED WHEEL THAT INTERRUPTS THE SIGNAL AND TRANSFERS FROM ONE ANTENNA TO ANOTHER. ALSO HAS RELAY AND THREE SO-239 TYPE COAX. CONN. CAN BE USED AS A REMOTE ANTENNA CHANGE-OVER. SIZE: 3 1/2x10x4 1/2; WT: 5 LBS. PRICE: USED..... \$1.95

M4A1 PERISCOPE WITH TELESCOPE
TWO MIRROR TYPE PRISMS IN METAL BODY WITH M77C TELESCOPE 1.5 POWER W/COATED OPTIC, ERECT IMAGE AND ILLUMINATED. ADJUSTMENT FOR ELEVATION AND DEPTH. OVERALL SIZE 11x6x1 1/2; PERISCOPE SIZE 5x1; WT: 9 LBS. PRICE: COMPLETE UNIT \$7.95
LESS TELESCOPE 4.95
TELESCOPE ONLY 4.95

MIRROR TYPE PRISM
(NOT SOLID GLASS)
(MAKE YOUR OWN PERISCOPE AS LONG AS YOU WANT)
SIZE: 6x1 1/2x2 1/2; 2LB. \$1.00

TS-13 SIGNAL GENERATOR
9305 TO 9445 MC. PER SEC. WITH CALIBRATED ATTENUATOR, WAVEMETER AND A THERMISTOR OR MEASURING POWER CIRCUIT. SIG. OUTPUT CW, FM, PULSED CARRIER. RECEPTION CW & PULSED CARRIER. PO. 50 MICRO WATTS. OUT. IMP. 50 OHMS WITH TUBES 3/6SN7, 2/6AC7, 1/6Y6, 1/723AB(2K25) 1/5U4G, 3/0C3, VR-105. POWER REQUIRED 115V 60 CYCLE. (WRITE FOR MORE INFO.)
SIZE: 11x2 1/2x10 1/2; WT: 75 LBS. PRICE: USED \$35

1-242 RADAR TEST SET DESIGNED TO FURNISH A COMPARATIVE INDICATION OF TRANSMITTER OUTPUT AND MEASURE PULSE RECURRENCE RATE. CONSISTS OF DUMMY LOAD WITH 3" METER 0-50 MA WITH 0-100 SCALE. USED \$5.95
SIZE 8x10x11; 14 LBS

BALLATINE
BALLATINE ELECTRONIC VOLTMETER #300
FREQ. RANGE 10 TO 150,000 CYCLES. VOLTAGE RANGE ONE MILLIVOLT TO 100 VOLT A.C. INPUT IMPEDANCE 1/2 MEG. ACCURACY 2% TO 100 KC. 3% ABOVE. 4 1/2" METER. FIVE VOLTAGE RANGES.
SIZE: 11x6x4 1/2; WT: 14 LB \$65.00

CARRIER MONITOR
CARRIER MONITOR WHEN COUPLED TO AN ANTENNA TRANSMISSION LINE IT PROVIDES DIRECT CURRENT TO A REMOTE POSITION WHICH CAN BE USED AS AN INDICATION OF PROPER TRANSMISSION. THE OUTPUT AMPLITUDE IS PROPORTIONAL TO THE CURRENT FLOW IN THE TRANSMISSION LINE. INPUT IMPEDANCE 600 OHM, OUTPUT IMP. 600 OHM. OUTPUT LEVEL - 30DBM FOR 100% MOD. INTO 600 OHM LINE. WITH TUBES 6X4, 6J6, 6AL5, V103. VOLTAGE REQ. 115/230V 60 CYC. OUTPUT JACKS AND CONTROLS ON FRONT PANEL. ALSO 2 VACUUM CAPACITORS 3MFD 15 KV AND LEAD FOR CONNECTING TO 500 TO 50K WATT TRANSMITTER IN THE 2 TO MC. RANGE. UNIT ALSO HAS COVER. SIZE: 6x6x8 1/2; 15 LBS. #1028017 UNUSED \$4.95

TS-32/TRC-1 TEST OSCILLATOR
USED FOR ALIGNMENT OF R-19 FM RECEIVER THAT OPERATES IN THE 70-100 MC RANGE. WITH TUBES 6SN7, 6SL7 & 6SH7 SWITCH FOR MODULATION, CARRIER, SO-239 COAX. CONNECTOR CRYSTAL HOLDER 1/2" SPACING AND VARIABLE CONTROL FOR ADJ. FREQ. REQUIRES FIL. & HIGH VOLT. SIZE: 6x5x3 1/2; 5 LBS. USED \$6.95

WIRE RECORDER

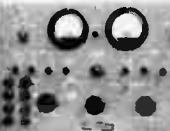


IC/VRW-7 SOUND RECORDER
WIRE TYPE, ONE INPUT CHANNEL 600 OHM IMPEDANCE, 290 R.P.M. RECORDING SPEED. FREQ. RESP ONCE 300 - 3500 CPS. CONTROL IN FRONT FOR MICROPHONE & SIDETONE. WITH 2/28D7 TUBES & MX-303A/ANQ-1 RECORDING WIRE FOR 60 MINUTES. VOLTAGE REQUIRED 24-28 VDC. THIS IS RECORDER ONLY NO PLAY BACK.
SIZE: 12 1/2x7 1/2x6 1/2; WT: 18 LBS. PRICE: USED \$9.95

CONTROL PANEL



MR-160 OPERATORS CONTROL PANEL
HAS EIGHT TELEPHONE TYPE LEVER SWITCHES, 6 EA. 1 MAKE 2 BREAK; 2 EA. 2 MAKE/OFF/4 MAKE SIX INDICATOR LIGHTS, THREE CIRCUIT PHONE JACK. STANDARD 19" RACK MOUNTING, 4 1/2" HIGH & 8 1/2" DEEP; WT: 14 LBS. PRICE: USED \$8.95



1-199 TEST SET
DYNAMOTOR & HAND GENERATOR TESTER USED TO CHECK EQUIPMENT UNDER LOAD CONDITIONS. INPUT VOLTAGE READINGS 0-60 VOLTS DC & 60 AMPS. D.C. OUTPUT VOLTAGES 0-1200 VOLTS D.C. & 600 MA. D.C. ALSO PERCENTAGE OF RIPPLE IN THE INPUT & OUTPUT, ALL SHOWN ON 3" RD. METERS ALSO CONTROLS FOR VARYING VOLTAGE & CURRENT UNDER LOAD. SIZE: 18x12x11, WT: 40 LBS. PRICE: USED \$29.50 NEW \$39.50

DATA MAPPING



RADAR CONSOLE DATA MAPPING UNIT A-1007 SQ, 15" CATHODE RAY TUBE DISPLAY WITH 8032 IMAGE CONVERTER TUBE MOUNTED IN THE GOOSE-NECK ASSY. OVERLOOKING THE CR TUBE, ELECTRIC SCANNING AND AMPLIFIER CIRCUITS WITH 12 KVDC AND 1.5 KVDC POWER SUPPLIES. MFG BY IBM FOR BENDIX. SIZE 33x35x60; WT: 150, USED \$75

RADAR SET



RT-39/APG-5 RECEIVER-TRANSMITTER F/O APG-5 RADAR SET. FREQ. RANGE 2500 TO 2600 MC. POWER OUTPUT 0.5 KW, OPER. RANGE 200 TO 1800 YDS AGAINST AIRCRAFT 5000 YDS AGAINST SHIPS, REMOTE CONTROL, THIS UNIT SUPPLIES RF PULSES TO ANT. AND FEEDS REC. ECHO TO RANGE UNIT. PULSE MODULATED CRYSTAL MIXER. POWER REQ. 115V400 CYC AND 24 VDC. TUBES REQUIRED 1/2C43, 1/2C40, 1/3E29, 9/6AK5, 1/2X2, 1/5Y3, 1/VR-105, 1/1B27 AND 1/1N21. CONNECTOR PLUG \$2.00
 SIZE: CAN 16x10; WT: 25 LBS.
 PRICE: WITH TUBES \$39.50 LESS TUBES \$20

CP-8/APG-5 RANGE COMPUTER; USED W/ RT-39/APG-5 R/T LISTED ABOVE, RECEIVES VIDEO FROM R/T AND FURNISHES V PROPORTIONAL TO RANGE TO SERVO AMPLIFIER. POWER REQ. 115 V. 400 CYCLE AND 24 VDC. WITH TUBES 2/5Y3, 2/6AC7, 2/6SJ7, 3/6SL7, 5/6SN7, 1/6Y6, 1/884, 1/VR-105 & 1/VR-150. ALSO 24 VDC BLOWER.
 SIZE: 16x10 CANNISTER COVER INCLUDED. WT: 25 LBS. (DEMILITARIZED BUT NO EFFECTIVE DAMAGE.) \$19.95
 PLUG CONNECTORS \$2.00 EA. 2 REQ.



AM-61/APG INDICATOR AMPLIFIER; USED WITH APG-5 AND APG-15 SYSTEM WITH ID-116 INDICATOR. POWER REQ. 115 V. 400 CYC. & 24 VDC. WITH TUBES 7/6SN7, 1/5Y3, 3/6SL7, 1/8016, 3/VR-105, ALSO 24 VDC BLOWER.
 SIZE: 16x10 CANNISTER COVER INCL. WT: 25 LBS. \$19.95
 PLUGS \$2.00 EA. 2 REQ.



ID-93/APG-13 RADAR INDICATOR; GIVES TYPE M INDICATION, TYPE INDICATION WITH A STEP ADDED OF OUTPUT OF RT-39/APG-5 REC. TRANS. (DESCRIBED ABOVE). POWER REQ. 115V400 CYC AND 24 VDC. WITH TUBES 1/3BP1, 2/6H6, 6/6SN7, 1/5Y3 & 1/2X2. ALL CONTROLS ON FRONT PANEL, VERTICAL HORIZ., INTENSITY, ZERO SLOPE, MARKER AMPLIFIER REC. GAIN, YARDS RANGE, FOCUS ETC.
 SIZE: 8x10x16; WT: 25 LBS. NEW \$19.95
 CONNECTOR PLUGS, 1 TO RT-39, 1 TO C-1 SIGHT AND 1 FOR INPUT POWER, EACH PLUG \$2.00.



RADAR JAMMER



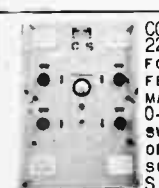
T-26/APT-2 RADAR TRANSMITTER; 500 TO 700 MC, RADIATES 5 WATT OF R.F. ENERGY WHICH IS MODULATED BY A 931 MULTIPLIER (PHOTO) FOR NOISE GENERATOR, 3 MC CARRIER BAND WIDTH. POWER REQ. 115 V. 400 TO 2600 CYC. AND 24 VDC WITH TUBES 1/2X2, 2/5R4, 2/6AC7 1/6AG7, 2/368, 1/807, 1/931.
 SIZE: 10x8x20; WT: 50 LBS. UNUSED \$19.95
 CONNECTOR PLUG \$2.00 ANTENNA PLUG \$5.59



CANADIAN PERFORMANCE TEST SET TYPE QE1740. PORTABLE UNIT FOR CHECKING SARAH BEACONS RBSS ETC. CONSISTS OF A RECEIVER USING TUBES 2/CV2361 AND TRANSMITTER C9-468 FOR CHECKING AT APPROX. 244 MC. WITH VARIABLE TUNING ON EITHER SIDE. PHONE JACK FOR REC. BUT THE TRANS. IS FOR USE WITH A EXTERNAL CODING DEVICE WHICH IS NOT SUPPLIED. HAS 3 1/2" 0-200 D.C. MICROAMP. METER WITH METERING SWITCH FOR CHECKING VARIOUS CIRCUITS. POWER REQ. 90 & 420 VDC. WITH TUBES AND ANTENNAS IN CARRYING CASE.
 SIZE: 15x8x9; WT: 10 LBS. PRICE: USED \$9.95



RT-35/AM RADIOSONDE TRANSMITTER-RECEIVER 675 TO 725 MC, USED FOR WEATHER AND RADAR OBSERVATION WITH 4/1L4 & 1/2C35 TUBES. VOLTAJE REQ. 90 VDC & 1/2 VDC SIZE 3 1/2x4 1/2x10; WT: 5 LBS. PRICE: NEW \$33.95

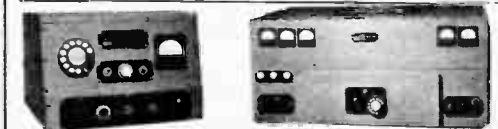


COLLINS 1568-4 ANTENNA COUPLER 225-400 MC, FOUR TUNEABLE CAVITIES FOR SETTING UP TRANSMITTER ON DIFFERENT FREQ. FOUR JONES MICRO-MATCH COAX. ADAPTERS. METER 2 1/2" 0-200 MICROAMP. WITH SELECTOR SWITCH FOR MEASURING THE OUTPUT OF EACH CHANNEL SELECTED, METER SCALE 0-200 WATTS. POWER OUTPUT. SIZE: 25x17x22; 50 LBS. USED \$50.00

BD-62 SWITCHBOARD; HAS PROVISIONS FOR 1 TELEPHONE, 2 OUTPUT AND 8 MICROPHONE CIRCUITS WITH LEVER TYPE KEYS & DROPS AND PATCHING FACILITIES FOR ALL CIR.
 SIZE: 32 1/2x8 1/2x8 1/2; WT: 30 LBS. USED \$9.95

EE-101 TELEPHONE RINGING EQUIPMENT USED FOR CONVERTING 20 CYCLE RINGING TO 1000/20 CYCLE ALSO 1000 CYCLE TO 20 CYCLE FOR OPERATING TEL. DROPS ON 2 CHANNELS. OPERATES FROM 115/230 V. 60/60 CYCLE OR 12 VDC. WITH TUBES 6/6SJ7, 1/6V6GT. 19x9 RACK MTD. SHIPPED IN WOOD CHEST 100 LBS. PRICE USED \$9.95

TG-30 REPEATER, TELEGRAPH TERMINAL FOR TRANSMITTING OR RECEIVING ON A HALF DUPLEX ONE CHANNEL OPERATION. CAN BE USED TO INTERCONNECT NEUTRAL AND POLAR TELEGRAPH OR TELETYPEWRITER SYSTEMS ON SIMPLEX OR COMPOSITED RETURN CIRCUITS. SPEED 60/66. OPERATES FROM 115/230 V. 50/60 CYC & 115 VDC SHIPPED IN WOOD CHEST 25x16x14; 175 LBS
 PRICE: USED \$9.95 RE-NEW \$16.95



RC-263 TRANSMITTING EQUIPMENT; 1.5 TO 10 MC CRYSTAL CONTROL OR M.O. ON ANY 4 PRESELECTED CHANNELS WITH LOCAL OR REMOTE DIALING OF "ON" OR "OFF" CHANNEL SELECTION ETC. 75 WATT C.W. 50 WATT PHONE. POWER REQ. 100 TO 260 V. 25-60 CYCLE FOR OPERATION OF THE BUILT IN POWER SUPPLY. THE BC-1100 TRANSMITTER CAN BE OPERATED REMOTELY AND COMES WITH TUBES 6/6L6, 3/807, 1/VR-150, 1/5Z3 & 2/RK-60. THE RM-40 CONSISTS OF AMPLIFIER W/LINE LEVEL METER, MICROPHONE CIR. SWITCHING AND PULSE DIAL CIRCUITS TO CONTROL THE TRANS. WHICH CAN BE DONE OVER TEL. LINES. WITH TUBES 2/6J5 & 1/80.
 TRANS. SIZE: 18x40x30; WT: 41 LBS.
 REMOTE " 10x14x13; WT: 50 LBS.

SPARE PARTS BOX CONTAINS THE OPERATING TUBES, SPARE TUBES 16 SAME AS USED IN EQUIP. 2 HAND TYPE CHROME, CARBON MICS. 100 OHM, 7 METERS, 8 RELAYS, 1 SWITCH, 25 RESISTORS, 20 CONDENSER 110 FUSES, 2 RECT. 2 RHEO. 2 POTS, 24 LAMPS ETC
 ALSO 2 MANUALS. SPARE PARTS BOX WEIGHT 72 LBS
 PRICE: BC-1100, RM-40 & SPARE PARTS \$195.00
 WITH BC-1100 & RM-40 W/OPERATING TUBES \$150
 MANUAL BC-1100 W/OPERATING TUBES \$125.00
 RM-40 REMOTE CONTROL UNIT ONLY \$35.00

PORTABLE REPLAYER

EE-89 TELEPHONE REPEATER PORTABLE BATTERY OPERATED, W/LINE UNIT CAN BE USED AS TERM. OR INTERMEDIATE AMPLIFIER, USES ONE 3Q5GT TUBE, INCLUDES HEADSET ELEMENT FOR MONITORING AND GAIN CONTROL, BATTERY VOLTAGE REQUIRED 1.5 & 90 VDC. IN WOOD CASE W/CARRYING STRAP. SIZE: 6x9x8; WT: 12 LBS.

AMMUNITION FIRE CONTROL POWER DISTRIBUTION PANEL 171E608G1 & 519E147G1; TWO DIALS THREE GEAR CONTROL, 2 THREE DIGIT COUNTERS WITH MANUAL RESET AND HOLD 24 V OPERATION, 7 SWITCHES, TERMINAL STRIPS ETC.
 SIZE: 11x11x5; WT: 15 LBS.
 PRICE: USED \$4.95

NAVY INTERPHONE AMPLIFIER USED WITH TCS EQUIPMENT. PUSH-PULL 2/12A6 TUBES, CARBON MIC. INPUT 75-200 OHM ALSO 600 OHM OUTPUT 125 OHM. VOLTAGE REQUIRED 12 VDC & 250 VDC 60 MA. HAS MOUNTING FOR DYNAMOTOR 35x32, 12 VOLT.
 (SEE CONVERSION INFORMATION LISTED BELOW.)
 SIZE: 7x10x7; WT: 15 LBS.
 PRICE: AMPLIFIER WITH TUBES \$2.95
 " " " & DYN. 6.95
 KIT FOR CONVERSION TO SPEAKER OUTPUT, APPROX 5 WATTS, INCLUDES OUTPUT TRANSFORMER, MIC & PHONE JACKS, SWITCH, CABLE AND PLUG FOR PLUGGING INTO LIGHTER AND INSTRUCTIONS. \$2.00

IM-120/UPM STANDING WAVE RATIO METER DESIGNED TO BE PLACED OVER 1 1/2" WAVE GUIDE TO DETERMINE THE STANDING WAVE RATIO OF THE WAVEGUIDE TO THE ANTENNA SYSTEM. USED WITH DIRECTIONAL COUPLER CU-245/U BUT CAN BE ADAPTED TO OTHER SYSTEMS. UNIT HAS 6/1N25 CRYSTAL DIODES AND 3 1/2" METER FOR INDICATION. ALSO INSTRUCTION MANUAL. THE CARRYING CASE IS ALUMINUM SEALED, WATERPROOF AND IS OPTIONAL. CASE SIZE 9x7x5 1/2; WT: 10 LBS. NEW PRICE: LESS CASE \$11.50 WITH CASE \$14.95

READING PACER TIMER

READING PACER AND READING TIMER THE READING PACER WILL TEST YOUR READING SPEED AND WILL HELP YOU INCREASE THIS SPEED WITH ITS USE. CONSISTS OF A BATTERY OPERATED INSTRUMENT WITH A VARIABLE SPEED WHICH CAN BE SET FOR 250 TO 650 WORDS PER MINUTE, WHEN THE PACER BAR IS PLACED IN POSITION IT WILL MOVE IN ACCORDANCE WITH THE SPEED SETTING. THE READING TIMER IS A SPRING WOUND MECHANICAL TYPE WITH STOP & GO CONTROL AND CAN BE SET FOR A GIVEN TIME UP TO 5 SECONDS OR CAN BE USED FOR ELAPSED TIME.
 SIZE: 10x11x1 1/2; T-2 1/2 DIA. WT: 2 LB. \$4.95

AN/FRR-3 DIVERSITY RECEIVING EQUIP. USES TWO IDENTICAL RECEIVERS OPERATING FROM TWO DIFFERENT ANTENNAS. THE OUTPUT IS THEN COUPLED TOGETHER TO SUPPLY A SIGNAL WITH REDUCED FADING EFFECTS. THE FREQ. COVERAGE IS 2.4 TO 23 MC. IN 5 BANDS AND CAN BE PRESET ON ANY ONE FREQ. IN EACH BAND A DIAL SYSTEM IS EMPLOYED FOR SELECTION OF THE DIFFERENT SERVICES. THE SYSTEM COMES IN A 7 FT. CABINET WITH DOOR FRONT & BACK AND CONTAINS THE A&B REC. MULTIPLIER UNIT, OSCILLATOR, REMOTE CONTROL, POWER CONTROL FILTER AND POWER SUPPLY UNITS.
 TUBES REQUIRED 6/6J5, 5/6V6, 8/6SK7, 2/6SN7, 2/6SA7, 7/6AC7, 5/6H6, 3/6E5 & 2/5U4.
 POWER REQ. 100-130/200-260 50/60 CYCLE.
 SHPG. WT: APPROX 600 LBS. USED LESS TUBES \$150.00

TELEMETER PROGRAM SELECTOR FOR PAY TELEVISION

CHOICE OF THREE PROGRAMS WITH PROVISIONS FOR DEPOSITING THE AMOUNT OF MONEY REQ. FOR EACH PROGRAM AS INDICATED ON THE COIN REGISTER WHICH ALSO SHOWS THE CREDIT BALANCE. THE PRE-RECORDED TAPE GIVES THE PROGRAM INFORMATION. (THE EXACT FREQ. OF THE SIGNAL CARRYING THE VIDEO AND SOUND IS NOT KNOWN BUT IS THOUGHT TO BE ABOUT 35 MC. WITH A 8 MC. SIGNAL FOR TRIGGERING THE CONTROL MECHANISM. SIZE: 15x7x7; WT: 25 LB. THE ITEMS LISTED BELOW ARE PART OF THIS UNIT AND CAN BE PURCHASED SEPARATELY.
 COMPLETE UNIT #1001/5 \$9.95

CABINET ONLY; HIGH IMPACT PLASTIC, 3LBS. \$2.25


REGISTER MECHANISM FROM T.V. TELEMETER PROGRAM SELECTOR, SHOWN ON PAGE 24 OF REGULAR CATALOG. CONTAINS 2 ACTUATING PLATE SELENIUMS 300 & 1200 OHM, 1 5 RPM 115 V. 60 CYCLE SYNCHRONOUS MOTOR, 1 115V 60 OPEN FRAME MOTOR GEARED, CONTACTS, GEARS, LIGHTS ETC. #TELE-REG. 1001
 SIZE: 7x5x6; WT: 5 LBS. A GOOD BUY FOR \$4.95

TAPE MAGAZINE 1 1/2" CONTINUOUS REEL APPROX. 66 FT. WITH RECORDING HEAD TENSION ROLLERS. UNIT WAS USED WITH THE REGISTER MECHANISM WHICH TURNED AT 20 RPM. CAN ALSO BE USED AT OTHER SPEEDS IF PROPERLY COUPLED. PART OF THE COIN COLLECTOR FOR THE TV TELEMETER UNIT. #TAPE MAG. 1001
 SIZE: 4x6 1/2x3; 2 LBS. PRICE: \$2.95

TELEMETER TV CHASSIS #334 WITH TUBES 1/6BE6, 3/6B8, 1/12BH7 & 1/6BA8A, 4" SPEAKER, PLATE RELAYS 1 3000 OHM COIL SPOT & SPST NORM. CLOSED, 1 3000 OHM 2PST NORM. OPEN. THE R.F. SECTION IS APPROX. 8 MC. WITH CRYSTAL OF 8135. THE 115 VOLT 60 CYC. POWER SUPPLY IS 150 VDC 100 MA. & 6.3 3A. CHASSIS SIZE 10 1/2 L. x 6 DEEP x 6 HIGH WITH SPEAKER. WT: 10 LBS. # TELE-CHASB. 1001 \$5.95

Control Boxes Filters Indicators Tuning Units Amplifiers

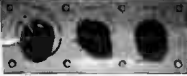
VACUUM CAPACITOR



VACUUM CAPACITOR 3 MMFO 15 KVDC, PLUS OR MINUS 10% w/ CONNECTORS. SIZE 5/8x4; 8oz. JENNINGS TYPE Y-3 \$1.50


WESTERN ELECTRIC No. 8047 50 MMF, 5 KV, 5 AMP. SIZE: 1 1/2 x 1 1/2; 4 oz. u/WBC442 \$2.50

CONTROL PANEL CERAMIC ROTARY SWITCHES



LOCAL/REMOTE 3 CIR. 10 POS. CHANNEL, 50 OHM POT DIMMER. SIZE 6 1/2 x 2 1/2 x 1 1/2; 1LB. \$1.25 RDZ-H-307

TELECORD REMOTE CONTROL



3 NEON IND. 2 SPST PUSH SW w/25' 7 COND. CORD. 3x2x5 1/2; 5 LB. NEW \$4.95

C-87/ART-13 CONTROL BOX, WITH 11 CHANNEL SWITCH, OFF, VOICE, C-W-MCW, IND. LIGHT, MIC JACK & CODE KEY. \$2.95

C-526/ARC-27 CONTROL BOX. AUTOMATIC CHANNEL SELECTOR PRESET MECH. w/ 24 V. DC MOTOR, RELAYS, GEARS ETC. SIZE 6 1/2 x 6 x 5; WT: 13 LBS. PRICE, USED \$4.95

BC-1303 CONTROL UNIT USED IN IE-36 TEST SET FOR SCR-522. HAS ALL FACILITIES FOR OPERATION, OFF-A-B-C-D CHANNEL SWITCH, MIC, PHONE & ANT. JACKS, TRANS, REC & REMOTE SW. & PL-170 RECEPTACLE. \$3.95



VERNIER DIAL 6" 0-100 SCALE ADJUSTABLE STOPS 5 POS. USED IN TAJ TRANS. 4 LB. \$2.75



BC-1366 BC-335 C-4/ARN-7 RADIO COMPASS CONTROL BOX USED w/R-5, 5A ARN-7, THREE BANDS 200-175C 2" TUNING METER & GRAIN OF WHEAT LAMPS. TAKES MC-124 CONTROL SHAFT. USED \$3.95 FT-224 MOUNTING FOR C-4 BOX WITH TERMINAL STRIP & PLUG USED \$1.50



BC-1366 CONTROL BOX COMBIB CONSISTS OF 5 POSITION ROTARY SWITCH, VOLUME CONTROL & MICROPHONE & PHONE JACKS PRICE: \$1.00

BC-606 CONTROL BOX; USED WITH BC-603/604, HAS PHONE & MIC. JACK, SPST SW. VOL. CONTROL, TERM. STRIP ETC. 4x4x2; 1 LB. \$1.00


Beam Filter



NAVY TYPE 16F2150 1020 CYCLE ACCEPT OR REJECT w/PL-55 PLUG ON CORO. PRICE: NEW \$2.25

FL-8 AIRFORCE TYPE SAME AS ABOVE LESS PL-55 \$2.50

TL-150 TUNING WAND FOR BC-659, BC-620 \$7.75




SIDE BAND Loading Coil C-114 - \$1.50



PHONE PATCH TRANSFORMER C-161 - \$1.50



HORN



AIRCRAFT HORN SIGNAL WARNING EMERGENCY. TYPE J-1 PAR# 71918 24 VOLT DC. 4"x1 1/2" 1LB. PRICE: \$1.50


LAMP WITH REFLECTOR, BRACKET & TILT MERCURY SWITCH. WITH 12 VOLT BULB. USED FOR TRUNK LIGHT WHEN LIO IS RAISED LIGHT LIGHTS. ALSO MANY OTHER USES. REFLECTOR 1 1/2 x 2 1/2" #6210-702-8113 59¢ 2 FOR \$1



FLASHER POSITION LIGHT, PERIODIC AIRCRAFT TYPE C-2, CONTAINS 2 FLASHER G-107 BALLAST TUBE, 24 VDC RELAY DPDT, COND, RES SIZE: 4x4x4; WT: 2 LBS. USED PRICE: \$1.00 EA. 2 \$1.50




ID-30/APS-2 SCOPE INDICATOR 5FP7 CATHODE RAY TUBE WITH CONTROLS & CABLES ALSO MOUNTING. SIZE: 14x6 1/2 x 6 1/2; WT: 14 LBS. PRICE: \$6.95



BC-1152 SCOPE INDICATOR 3" CATHODE RAY TUBE 3HP7, 1/6H6. CONTROLS FOR CENTERING HOR. VERT. AZIM. INTENS. FOCUS & SCALE ILLUM. CABLES WITH 3 PL-259 COAX. CONN. H.V. PLUG & CONTROL PLUG. SIZE: 14x5x5; WT: 10 LBS. PRICE: USED \$4.95




C-30/ARC-5 BC-451 BC-136/2 C-30/ARC-5 CONTROL BOX WITH 7 push button switches marked A, B, C, D, OFF, 1 & 2. Also tone, CW & voice switch & connectors. Price.... \$1.00



BC-451 CONTROL BOX with switches tone-CW-voice, on-off, 1/2/3/4 also code key, mic & phone jacks.

BC-136-2 Control unit with mic & phone jacks, volume control & two binding post. \$3.5 each Four for \$1.00

1-101 CROSS POINT INDICATOR FOR COMBINED USE FROM LOCALIZER REC. & GLIDE PATH REC. PART OF 1RN-5 & RC-103. SIZE 3 1/2 x 3 1/2 x 3 WT: 3LBS. USED \$1.95

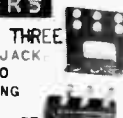


CAMERA LIGHT FILTER GRAY COLOR 50% TRANS. SCREW IN MOUNTING. 2-23/32 69MM DIA. WRITTEN DENSITY .30 FOR WOLLENSAK TYPE V254 MM F4.5 35 MM P/O PH330G CAMERA 8A1101-50.4 \$1.95



CONNECTORS


PL 58 AND JK 37 THREE PRONG PLUG AND JACK PLUG IS KEYS TO PREVENT INSERTING PLUG BACKWARDS. 2x3x1 1/2 EACH \$.59 PAIR 1.00



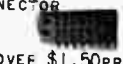
CONNECTOR PLUGS 15 CONTACT SIZE: 2 1/2 x 1 1/2 x 1 1/2 PER PAIR \$1.50 P-601



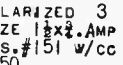
18 CONTACTS 2 1/2 x 2 x 1 1/2 P-2802 PER PAIR \$2.00



35 CONTACT CONNECTOR MALE #621905 FEMALE #407375 SIZE 2 1/2 x 1 NO COVER \$1.50 PR.



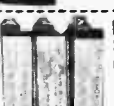
15 CONTACT, POLARIZED 3 LARGE CONT. SIZE 1 1/2 x 1 1/2 AMP #26-150 F/CHASS.#151 w/CC USED \$1.50



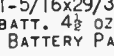
NICKEL CADMIUM BATTERY 1.2 VOLT RECHARGEABLE APPROX. 4 AMP HOUR SIZE: 1 1/2 x 2 x 6; WT: 6 OZ. BB-403 \$2.50



BB-208/ANT RADIC-SONDE DRY CHARGE BATTERIES, 4 IN A VACUUM PACKED CAN, ONE 6V 2 1/2 HR THRU 30 OHMS, 3 36v EA. 3A HR.



THRU 1200 OHM-EA. BATT. SIZE 1-5/16x29/32x4-5/32; WT. EA. BATT. 4 1/2 OZ. BATTERY PACK (4) .50



N-T-6 PLASTIC STORAGE BATTERY DRY CHARGE, 6 VOLT 4 AMP, 3 1/2 x 2 1/2 x 2; 1 1/2 LB \$3.95




BB-54 WILLARD PLASTIC STORAGE BATTERY



2 VOLT 28 AMP. HOUR NON-SPILLABLE, BALL INDICATOR DRY CHARGE, ADD ELECTROLYTE SIZE 4x5x3; WT: 4LB. \$2.95

AUTOTUNE HEAD FOR A7C/ART-13 TRANSMITTERS. MULTITURN UNIT WITH DIAL 0-100, KNOB, REVOLUTION COUNTER, LOCKING DEVICE FOR PRESETTING. CONTROL "B". COL#23518 PRICE: \$1.95



FLEXIBLE COUPLING




CERAMIC INSULATED FLEXIBLE COUPLING FOR 13,500 VOLT FLASHOVER. 2 5/8"x2 3/8" FOR 1/4" TO 3/8" SHAFTS. COUN001 EA. \$.50

METAL FLEXIBLE COUPLING 2" x 1 1/2" FOR 1/4" TO 3/8" SHAF COUN002 EA. \$.40


INSULATED FLEXIBLE COUPLING 1"x2" FOR 1/2" SHAFT. COUN003 \$.25

JOHNSON CERAMIC COUPLING 2x2 F/1/4" SHAFT #COUN006 59¢ 2 FOR \$1



METAL FLEXIBLE COUPLING F1 1/2" TO 3/8" SHAFTS. 1" DIA. 1 1/2" LONG. COUN005 \$.25

PRESSURE TRANSDUCER TYPE M-1 TOSS BOMB COMPUTER ELECTRIC TYPE DUAL DIAPH. HIGH LOW CONN. PITOT & STATIC LINES. SIZE 6x3x4; WT: 3 LBS. STK#1280-568-6013 \$3.95




LANDING GEAR SWITCH ASSEMBLY, SINGLE POLE DOUBLE THROW, PLUNGER TYPE, PLUNGER IS DEPRESSED OPENS ONE CONTACT, CLOSES OTHER, SPRING RETURN. SIZE 3x2 1/2 x 1 1/2, PLUNGER 2 1/2. WT: 8 OZ. PRICE: \$5.50




DICTOGRAPH SWITCH BOX LEVER SWITCH 3 POSITION OFF-LISTEN-TALK, 2 INDICATOR LIGHTS, 6 POSITION WAFER SWITCH, 5 FT. 14 COND. CABLE, WOOD CASE WALNUT FINISH. 2x4 1/2 x 3 1/2 LBS. #DICT. 95083 \$3.95




REMOTE CONTROL BOX 3 SPST SWITCHES, 2 EA. MIC & PHONE JACKS ALL WATER-PROOF, 1 DUAL POT. ETC. SIZE 5 1/2 x 5 1/2 x 3 WT: 3LBS. #CMX23366A NEW 75¢



K-14 GUNSIGHT LENSES IN FRAME EACH LENSE 2" DIAMETER, APPROX 3 POWER. WT: 1 LB. \$1.00




RIGHT ANGLE DRIVE WITH SPIN KNOB AND 1 1/2" DIAL INDICATOR. 1 1/2 x 1 1/2 x 1 1/2 SPLINE SHAFT. 2 1/2 x 1 1/2 x 1 1/2; #9922 \$1



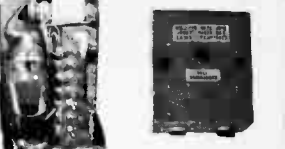
VERNIER DIAL 2 1/2" 100 TO 0 SCALE. TAKES 1/2" SHAFT. PRICE: \$1.50



ID-14/APN-1 RADIO ALTITUDE METER, 3" SCALE 0-6 MA MOVEMENT. CAN BE USED AS A BASIC METER MOVEMENT AND CHANGE SCALE AS DESIRED. PRICE: USED \$1.50



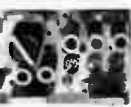
BC-347 AIRCRAFT INTERPHONE AMPLIFIER



Used in small planes for speaking. Has two oncuer transformers Carbon microphone input & standard headset output. Requires 12 Or 24 volt & 250VDC. Uses 6F8 tube. Size 3x2x5 WT 3lbs. With tube \$1.95 Less tube \$1.25

CONTROL JUNCTION BOX No 3 WITH CHROME PUSHBUTTON & BUZZER THAT WILL OPERATE FROM 6-12 VDC ALSO OTHER PARTS. SIZE: 4 1/2 x 5 1/2 x 2 1/2; 2LBS. #PC-75523 79¢ 2 FOR \$1.50


SYNCHRONIZER OFFSET CHASSIS ASSY WITH TUBES 2/6AT6 1/6101, CERAMIC SOCKETS, 5 TEST PIN JAC PRECISION RES. COND, TRANS, SIZE 7 1/2 x 5 x 3 4 LBS. STK. NO.1013 \$1.50




FREE FIRING BOX CONTAINS 2 RELAY 6 V. 2PST NORM. OPEN, 3 CAPACITORS 2 MFD. 600 VDC, 3MFD. 120 V. 400 CYC, 2x5 400 VDC, w/ SCHEMATIC AND SHOCK MOUNTING. CHASSIS SIZE 8x5x2 1/4 WITH COVER 8x5 x6; WT: 10 LBS. \$1.95



VERNIER DIAL 6" 2 SCALES WITH LOCK. USED ON TAJ TRANSMITTER MO TUNING. 5 LBS. \$3.50



VIBRATORS



VB-16/6, 12 OR 24 VOLT FOR PE-237 \$3.95

TYPES LISTED BELOW \$1.95 EACH

VB-1/6VOLT FOR PE-117 PE-97 & PE-237 SAME AS VB-7

VS-3/6VOLT FOR PE-104 SAME AS MALL-5508

G534/12 VOLT FOR PE-110

VB-8/2 VOLT FOR PE-157

VB-9/6 VOLT FOR PE-157

VB-11/24 VOLT FOR PE-12

VB-12/6 VOLT FOR PE-120

VB-13/12 VOLT FOR PE-12

TS-279 DUMMY ANTENNA LOAD



Three inch pyrex feed thru inductor, 1000 ohm 100 watt resistor with two test lead & clips. Cabinet size 13 x 6 x 4". Can be used for a chassis. Stock # TS-279 Price \$1.95

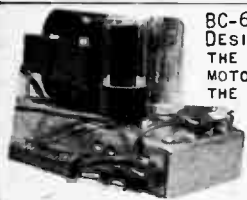
MINIMUM ORDER \$3.00

POWER SUPPLIES

RECEIVER POWER SUPPLY & SPEAKER FOR THE FOLLOWING SETS
 R-23/ARC-5 BC-453 BC-342
 R-24/ARC-5 BC-454 BC-344
 R-25/ARC-5 BC-455 BC-348
 R-26/ARC-5 BC-946 BC-429
 R-27/ARC-5 RAX

COMPLETE WITH 6" DYNAMIC SPEAKER HOUSED IN A METAL CABINET WITH CONNECTING CABLE, PLUG, PHONE JACK, VOLUME CONTROL, BFO SWITCH ETC. IF REQUIRED, CAN ALSO BE USED FOR OTHER SETS. OUTPUT 200/250 VDC @ 90/60 MA. & 24 VAC @ 2A. INPUT 115 VOLT 60 CYCLE. SPECIFY FOR WHAT SET. SIZE: 10x10x6; WT: 15 LBS. NO. P.S.(SET NUMB.) PRICE; KIT OF PARTS \$17.00 WIRED \$19.95

BC-652 RECEIVER POWER SUPPLY WITH SPEAKER SAME AS ABOVE; KIT \$20.00; WIRED \$23.95



BC-603/BC-683 RECEIVER P.S. DESIGNED TO BE PLUG IN-TO THE SAME PLACE AS THE DYNAMOTOR WITH NO CONVERSION TO THE SET THAT WILL EFFECT THE OPERATION FROM THE DYNAMOTOR. ONLY WORK REQUIRED IS ADD ON/OFF SWITCH IN PLACE OF SPARE FUSE HOLDER. TRANSFORMER TYPE USING 5Y3GT TUBE

OUTPUT 220 VDC @ 80 MA. & 24 VDC 2 A. WT: 5LBS. NO. P.S.603/683 KIT \$10.00 WIRED \$14.95

BC-923 RECEIVER POWER SUPPLY

OPERATES FROM 115 VOLT 60 CYCLE; SUPPLIES OUTPUT OF 275 VOLTS DC, 150 MA. & 12.6 VOLTS AC. 4 AMPS. COMPLETE WITH TRANSFORMER, CHOKE, CAPACITORS, SWITCH, PILOT LIGHT, LINE FUSE, 5U4G TUBE, CHASSIS, WIRING DIAGRAM, LINE CORD ETC. SIZE: 5 1/2 x 6 1/2 x 9 1/2; WT: 15 LBS.

PRICE \$22.95
 #PS-923

R-77/ARC-3 RECEIVER POWER SUPPLY

OPERATES FROM 115 VOLT 60 CYCLE; SUPPLIES OUTPUT OF 210 VOLTS DC @ 125 MA. & 24 VOLTS AC @ 2 AMPS. COMPLETE WITH TRANSFORMER, CHOKE, CAPACITORS, SWITCH, PILOT LIGHT, LINE FUSE, 5Y3GT TUBE, CHASSIS, LINE CORD ETC. #PS-R77/ARC-3 SIZE: 5 1/2 x 6 1/2 x 9 1/2; WT: 14 LBS. (LAYOUT SAME AS 923) PRICE \$22.95

POWER SUPPLY NO. 7630019. OPERATES FROM 115 VOLT 60 CYCLE DUAL HIGH VOLTAGE OUTPUT 400 DC 200 MA & 400 DC 200 MA. ALSO 6.3 VAC 2.75 A. & 6.3 VAC 5.5 A WITH 2/5R4GY TUBES. SIZE: 10x7x15; WT: 19 LBS. PRICE: \$19.95

CABLE WITH 18 CONTACT PLUG TO FIT P.S \$2.00

POWER SUPPLY NO. 7630020VR VOLTAGE REGULATED, OPERATES FROM 115 VOLT 60 CYCLE. OUTPUT 200-250 DC. @ 150-250 MA. ALSO 6.3 VAC 2.75A & 6.3 VAC 5.5 TUBES 2/6AS7G, 1/VR-105, 1/6AK7 & 1/5R4G. WT: 30 LBS. SIZE: 11 1/2 x 10 1/2 x 6 \$18.95

CABLE WITH 18 CONTACT PLUG TO FIT POWER SUPPLY PLUG, 4 FOOT \$2.00

POWER SUPPLY 763003 (MODIFIED) OUTPUT 375 VDC @ 225 MA & 6.3 VAC @ 2.75 A, 6.3 VAC @ 5.5 A. INPUT 115 VOLT 60 CYCLE. WITH 2/5R4GY TUBES. SIZE: 9 x 13 x 7; WT: 35 LBS. PRICE: \$14.95

CONNECTOR 18 CONTACT \$2.00

PP-662/GPN POWER SUPPLY, VOLTAGE REGULATED, 300 VDC 10 TO 90 MA. PLUS POTENTIAL, 210 VDC MINUS. WITH TUBES 4/5651, 2/6AH6, 1/12A7, 2/6AS7, 1/5Y3 & 1/5R4. OUTPUT PIN JACKS WITH ADJUST BEARING SWITCH, FUSED OUTPUT & INDICATOR LIGHTS. SIZE: 10x8x20; WT: 35 LBS. NO. COVER OR PLUG IN RELAY. POWER REQUIRED 115 VOLT 60 CYC PRICE: USED \$14.95



DC. SUPPLIES

OPERATE FROM 115 VOLTS 60 CYCLE AND ARE COMPLETE WITH TRANSFORMER, RECTIFIER, CAPACITOR, SWITCH, LINE CORD, PILOT LIGHT, LINE FUSE ETC. INDICATED RATINGS ARE FOR LOAD CONDITIONS.

DUAL OUTPUT 12/14 OR 24/28 VDC @ 6 AMPS. SIZE 7x6 1/2 x 13; WT: 17 STK#PS-12/24VDC6A

KIT OF PARTS...\$20.00
 WIRED COMPLETE... 24.95

OUTPUT 12/14 VOLTS DC @ 6 AMPS. SIZE: 5 1/2 x 9 1/2 x 5; WT: 20 LBS. STK#PS-12VDC6A

KIT OF PARTS...\$14.00
 WIRED COMPLETE... 18.95



OUTPUT 24/28 VOLTS DC @ 4 AMPS. SIZE: 5 1/2 x 9 1/2 x 5; WT: 12 LBS. STK#PS-24VDC4A

COMPLETE WIRED...\$17.95
 KIT OF PARTS... 13.00

OUTPUT 12/14 VOLTS DC @ 4 AMPS. SIZE: 5 1/2 x 9 1/2 x 5; WT: 12 LBS. STK#PS-12VDC4A

COMPLETE WIRED...\$14.95
 KIT OF PARTS... 10.00

OUTPUT 24/28 VOLTS DC @ 1 1/2 A. SIZE: 7x6x5; WT: 6 LBS.

#PS-24VDC1.5A WIRED...\$10.95
 KIT OF PARTS \$8.00

OUTPUT 12/14 VOLTS DC @ 2 AMP. SIZE: 7x6x5; WT: 7 LBS.

#PS-12VDC2A WIRED...\$9.95
 KIT OF PARTS... 7.00



MOBILE SUPPLY

AVA-126 VIBRATOR POWER SUPPLY; OUTPUT 300 VDC 100 MA. OPERATES FROM 6, 12 OR 24 VOLTS D.C WHEN THE PROPER VIBRATOR IS USED, OCTAL BASE. SUPPLIED WITH 6 VOLT VIBRATOR (USED WITH AVT-112 AIRCRAFT TRANS) ILLUSTR. COVER REMOVED. UNUSED SIZE: 7 1/2 x 7 1/2 x 7 1/2; WT: 12 LBS. \$4.95

RA-42 POWER SUPPLY RACK MOUNTING 19", 115/230 V 60 CYC OPERATION, OUTPUT 200-250 VDC 100 MA HOUSED IN CABINET 7x8x8; WT. 30 LBS. USED \$12.00

VOLTAGE REGULATED POWER SUPPLY AS USED TS-67 TEST SET, OPERATES FROM 115 V. 60 CYCLE, OUTPUT 150 VDC & 20 MA & -30 VDC @ 40 MA. AND 6.3 VAC @ 5 AMP. (TRANSFORMER RATING IS 700 VOLT C.T @ 100 MA. P.S. CAN BE RE-WIRED FOR HIGHER OUTPUT) WITH TUBES 1/5Y3, 1/6X5, 2/VR-150, 2/6G6 SIZE: 12x7x7; 26 LBS. USED \$8.95
 CONNECTOR PLUGS, 2 REQ. \$1.00 EA

RA-74D POWER SUPPLY FOR RECEIVERS BC-779, 794, 1004, R-270 & R-1290. INPUT 95/105/117/130/190/210/234/260 VAC 25-60 CYC. OUTPUT 380 VDC @ 50 MA, 250 VDC @ 100 MA 100 VDC 4.5 MA -50 VDC 11 MA & 6.3 VAC 7 AMP. WITH TUBES 1/5Y3GT & 1/5U4G. RACK PANEL MTG. SIZE: 19x10 1/2 x 10; WT: 100 LBS PRICE: RE-NEW\$24.95

PE-110D POWER SUPPLY FOR BC 669 TRANSMITTER-RECEIVER. INPUT 115 VOLT 60 CYCL OUTPUT 520 VDC @ 420 MA. 275 VDC VDC @ 64 MA. AND 13.6 VAC @ 4.6 AMP. WITH 4 TUBES 5Z3, RESET CIRCUIT BREAKERS A.C OUTLETS AND POWER OUTPUT PLUG. AN OPTIONAL ITEM IS THE 12 VDC POWER PACK VIBRATOR TYPE WITH A OUTPUT OF 275 VDC @ 64 MA. THAT WAS USED FOR RECEIVER STANDBY AND PLUGS IN ON THE CHASSIS. SIZE: 20 1/2 x 9 1/2 x 12; WT: 100 LBS. UNUSED PE-110D POWER SUPPLY WITH 12V. PACK \$30.00

PE-110B POWER SUPPLY SAME AS ABOVE ONLY DOES NOT HAVE CIRCUIT BREAKERS, HAS FUSED CIRCUITS. SIZE: 14x9x12; WT: 75 LBS. USED PE-110B P.S LESS 12 V. POWER NOT AVAILABLE CD-515 CABLE FOR PE-110 \$5.95

RECTIFIER 12 VDC

RECTIFIER POWER UNIT 12 VDC 20 AMP CONTINUOUS DUTY OUTPUT, INPUT 115 440 VOLT 60 CYCLE, 3 1/2" METERS 0-15 D.C VOLTS, 0-30 DC AMPS. COARSE & FINE CONTROLS, SELINIUM RECTIFIERS BRACKETS FOR WALL MTG. SIZE: 12 1/2 x 17 x 11; WT: 70 LBS. NEW NAVY#6130-542-6140; MOD. #S20-GS12VN \$45.00



SCM-603601 VOLTAGE REGULATED 24 VOLT D.C 3 AMP. POWER SUPPLY FOR RACK PANEL MOUNTING. LINE REG. 1%, LOAD 5%. THREE CAPACITORS 37,500 MFD 35 VDC, SILICON RECT. NEW \$19.95
 SIZE: 19 1/2 x 6 1/2 x 7 1/2; WT: 20 LBS.

PP-142 POWER SUPPLY 115 V 60 CYC VOLTAGE REGULATED 300 VDC 250 MA. ALSO 6.3 @ 3.75, 6.6 @ 9 A. WITH TUBES 3/6Y6G, 2/5U4G, 1/6AK7 & VR-150 ADJUSTMENT FOR B FUSED LINES, INDICATOR AND EXT. JACKS FOR OUTPUT ON FRONT PANEL. SIZE: 9 1/2 x 16 x 12 1/2; WT: 85 LBS. USED \$22.50

TS-147 REGULATED POWER SUPPLY IN CASE WITH FRONT PANEL AND SOME PARTS. POWER SUPPLY 115 V. 60 CYC. OUTPUT 300 V. 36 MA, 6.3 @ 1 1/2 A 6.3 @ 1.7A WITH TUBES 5R4 6Y6, 6SH7 AND 2/0B2. CASE SIZE: 18 1/2 x 12 x 11; WT: 35 LBS.

PRICE: WITH TUBES AND 2 1/2" MILLIWATT METER \$15
 " " " NO METER \$11.95

RA-62 POWER SUPPLY FOR SCR-522 RECEIVER-TRANSMITTER. INPUT VOLTAGE 115/230 VOLT 60 CYCLE OUTPUT 300 VDC 230 MA. -150 VDC 8 MA & 13 VDC 3.9 AMP. WITH TUBES 2/5U4 & 1/6X5. SIZE: 16x11 1/2 x 11; WT: 75 LBS. PRICE: USED \$39.50

AC LINE PLUG ONLY \$1.50 OUTPUT PLUG \$1.50

RA-43-B RECTIFIER TUBE TYPE OUTPUT 115V 525W DC; INPUT 95-125V, 50-60CYC AC. PROVIDES POWER FOR 1 TO 3 SWITCHBOARDS. REQUIRES 2/6F6 INCL AND TWO C6J, NOT INCL. WT. 165 LBS. SIZE: 22x17 1/2 x 10 PRICE: \$24.95 USED

RBM CCT-20086 RECTIFIER POWER SUPPLY. INPUT 115 V. 60 CYCLE OUTPUT 12 V. 60 CYC 2.9 AMP. AN & 205 V.D.C. 76 MA. 5U4G RECT. SIZE: 8x9 1/2 x 13 1/2; WT: 20 LBS. PRICE: USED \$12.95
 P-2003 CONNECTOR PLUG...\$1.50

SCOPE POWER SUPPLY 110 VOLT 380-420 CYCLE INPUT, OUTPUT APPROX. 1800 VOLTS 1.5 MA. WITH TRANSFORMER, 2/CONDENSER .1 4000 VDC, 1/12 TUBE, TERMINAL STRIP RESISTORS ETC. SIZE: 6x7x5; WT: 5 LBS. GE Assy#7608055 \$2.95

PP-115/TRC-8 POWER SUPPLY 115/230 VOLT 60 CYCLE INPUT, OUTPUT 550 VDC @ 350 MA AND 6.3 VAC 6 AMPS. ALSO 115 V. BLOWER APPROX. 100 CFM, MICROPHONE TRANS. LINE TRANS. DAVEN ATTENUATOR, DUAL CIRCUIT BREAKERS, PHONE & MIC JACKS ETC. SIZE: 12x8x14; WT: 55 LBS. PRICE: RE-NEW \$19.95

QMD-20ACH-1 POWER SUPPLY; INPUT 115/230 VOLT 60 CYCLE OUTPUT 350 VDC @ 200 MA AND REGULATED 150 VDC 30 MA. TWO WINDINGS 6.3 V & 5 VOLT. WITH TUBES 2/5R4GY, 1/6X5GT, 1/VR-105 AND 3/6SN7. SIZE: 15 1/2 x 12 1/2 x 10; WT: 40 LBS. UNUSED \$19.95



RELAY

RELAY 24 VDC SPDT
1 1/2" x 1 1/2"
#S 571981 \$3.35

TELEPHONE TYPE

RELAY 4PST NORMALLY OFF 12 VDC GR204-BC-966A 1 1/2" x 1 1/2" x 3/4" 3380-557180-7435 \$1.00

6PST 50 VDC 1/2 A. COIL 250 OHMS 50 VDC 39 MA. OPERAT. 4 1/2" x 1 1/2"; 4C7737-62 \$1.00

IPDT & 3PST 50 VDC 2 A. OPER. 46 VDC 38 MA 1200 OHM 4 1/2" x 1 1/2"; 4C7737-62 \$1.00

RELAY 200 VDC 135 MA, ONE COIL 1100 OHM, OTHER 1200 OHM, CONTACTS 2PDT, 6PST-NO IPST-NC#5945-259-4275 \$1.

RELAY 150 VDC 150 MA. 10C0 OHM COIL, CONTACTS 6PDT & 4PST-NO POTTER & BRUMFIELD 82-92-1005 BS-2202 \$1.00

RELAY CONT ARRANGEMENT 2E/ E IC. 115 VAC 60 CYC FAST ACT BREAK 7; MAKE 4. 4 1/2" x 1 1/2" #77393-41 \$1.50

SEALED RELAYS 24 VDC 3 A. CONT. VARIOUS MFG. ROUND, OELONG OR SQUARE, WIRE OR PLUG-IN. SORRY NO CHOICE.

IFST #	C-400	USED	.35
1PDT	#5703-34	"	.40
2PDT	#5709-7H	"	.45
3PDT	#56467	"	.50
4PDT	#54428	"	.55
6PST	#56469	"	.60

POTTER & BRUMFIELD 12 PIN PLUG-IN PLASTIC COVERED 24 VDC, CONT. 2PDT, IPST N.D AND IPST N.C. 1 1/2" x 2 1/2" #32-70-5133/24 \$.75



12 VDC RELAY, DPST, NORMALLY OPEN, 67 OHMS, 2 1/2" x 1 1/2"; # SW-182 USED 50¢

RELAY 6V D 1 1/2" x 1 1/2" 41F 500S-SIL \$.50

PLATE RELAY 10,000 OHMS. CONTACTS 115 VAC @ 5 AMPS 1 1/2" x 1 1/2" #3P-3189 \$1.50

SEALED RELAYS TWO COILS EACH WITH DPDT. COILS NOT OPERABLE SIMULTANEOUSLY. ONE COIL IS CONTROLLED BY THE CONTACTS OF THE OTHER. OPERATE FROM 12 VDC. 2 1/2" x 2 1/2" #57175 \$1.00

INTERVAL TIMER ASSEMBLY RELAY TIME DELAY 5 MIN. RESET DELAY 100 SEC. MOTOR VOLTAGE 120V 400 CPS CLUTCH VOLTAGE 28 VDC. ALLIED CONTROL UNIT; 115V 400 CPS, CONT. 2A-29VDC AND 24V 4PDT RELAY. 5LBS. #SS 19180 \$2.95

CRAMER TIME DELAY RELAY METER INDICATOR TYPE, SHOWS IF UNIT IS ON OR OFF. SIZE 3x3x3

#59K48746 2 Sec. \$4.95
#59K48748 20 " 4.95
#59K48747 2 MIN. 4.95
#59K48605 SAME AS ABOVE ONLY 3 1/2" RD. 3 MIN. \$4.95

SILICON RECTIFIER

POWER TESTED AT 1 MA MAX. LEAKAGE

1 AMP (TOP HAT)	
50-200 PIV	\$.10
200-400 "	.15
400-600 "	.25
600-800 "	.35
800- "	.45
1000 "	.55

5 AMP (STUD)	
200-400 PIV	.50
400-600 "	.60
700 "	1.00
800 "	1.20
1000 "	1.75

INI347 6 AMP. 500 PVI (GOLD) 1.50

35 AMP (STUD)

50 V	.75
100 V	1.00
200 V	1.60
300 V	2.00
400 V	2.25
500 V	2.50
600 V	3.00
900 V	4.00

RHEOSTAT

OTHER VALUES IN STOCK WRITE FOR YOUR NEEDS

STK#	WATTS	OHMS	PRICE
29992	25	25	\$.50
270-5	25	3500	.50

ABOVE SCREWDRIVER ADJ.

750KK	25	75	.50
13990	25	100	.50
201KK	25	200	.50
35250	25	250	.50
92700 (DUAL)	25	250	1.00
24609	25	5	.50

41132	50	7.5	.75
5049	50	8.0	.75
C309	50	1.0	.75
50-12	50	12	.75

ABOVE SCREWDRIVER ADJ.

2954	50	15	.75
15822	50	17	.75
5895 (DUAL)	50	20	1.50
850-30DUAL	50	30	1.50
666-1731	50	34	.75
365-9	50	50	.75
32229	50	60	.75
0066 w/sw	50	100	1.00
8852-L20	50	600	.75
1731	50	340	.75

201FK150	100	15	1.50
316-0796	100	360	1.50
237	150	15	2.95
5R0KK	150	5	2.95
W1525	150	25	2.95
W1501	150	1	2.95
5583	150	750	2.95
154	150	25	2.95
6938	150	3	2.95
351KK	150	350	2.95
63301	300	125	3.95
1261	300	2	3.95

PLEASE GIVE SECOND CHOICE.

CRYSTALS

100 KC CRYSTAL FOR APN-9 LORAN SET. CR-15/U HOLDER OR EQUIVALENT, 3 PRONG 1/2 x 1. PRICE: \$4.95

VARIOUS CRYSTALS IN STOCK FOR TCS REC OR TRANS. SPECIFY FREQ. \$1.50 EACH.

1000 KC CRYSTAL FOR BC-221 \$6.95

465 Kc CRYSTAL, RESONATOR TYPE FILTER AS USED IN BC-794, BC-1004 ETC. \$1.50

200 Kc CRYSTAL IN OCTAL TYPE TUBE HOLDER \$3.50

CRYSTALS: FT-241-243 21-39 Mc. F/BC-604-684-620-659 NO CHOICE FREQ. 5 FOR \$1.00

IN-21A CRYSTAL DIODE \$.25 EACH 5 FOR \$1.00

CRYSTAL OVEN 110 V. 60-1000 CYC. FOR HC-6/U, CR-26/U ETC CRYSTALS, WELL FILTERED, OCTAL BASE MOUNTING WITH 254. 72 CRYSTAL. 1 1/2" x 4 1/2" WT 1 OZ. #HUG 945550-1 \$1.95

BK-27 TELETYPE RELAYS IN METAL BX CONTAINING 2 QUICK ACTING RELAYS 15 VDC, 2 50 OHMS 1/SPDT & 1/SPST, ADJUSTABLE FROM OUTSIDE BX. PLUG IN SIZE: 6x3x3 1/2; 4LBS. \$1.50

CIRCUIT BREAKER

115 VOLT 60 CYC 3H900-1.5.1 1 AMP \$1.50
3H900-1.25 1 1/2 " 1.00
62349M6 3 POLE 1 1/2 " 2.50
3H900-3-2 3 " 1.00

HEINEMANN CAT#AM2511M6 CON. AMPS. 3.75, VOLTS 230 AC, CURVE 3 HP, RIGHT AND LEFT RESET, KNOB FOR DUAL USE. RE-MOVE EQUIP. \$1 EA.

24-30 VOLTS 5 AMPS \$.50
3H913-5 10 " .75
9751K4 10 " .50
AN1513F35* 35 " .75
AN 3160-50L* 50 " .75

LUMINOUS TIP AIRCRAFT TYPE CIRCUIT BREAKER 5 AMP AN 3161-P5 \$.50
10 " AN 3161-P10 .75
15 " AN 3161-P15 .75

METAL STAND W/RUBBER FEET BASE 8x11x13 LEGS 13x13x16 2 1/2" HIGH. ORIGINALLY USED AS RECORD HOLDER STAND, CAN BE USED AS BOOK, FLOWER, TV, RADIO OR WHATEVER YOU CAN USE IT FOR. WT: 4LB. 75¢

SWIVEL BASE AS USED ON THE BOTTOM OF TV SETS, 5" SQUARE, HAS 2 TURN STOP THAT CAN BE REMOVED FOR 360 DEG. ROTATION. 2LBS. 75¢

POTENTIOMETER PRECISION TYPE, WIRE WOUND, 2SEC. 10,000 OHMS EACH 6W. 3 SOLDER LUGS EA. SEC. SIZE 3x5 1/2. WT: 1LB. STK#227284-29 \$.75

APPROACH LIGHT GRIMES#NAF1024-2 24 V, SPLIT GREEN & AMBER LENS & CLEAR 3x3x4 1/2; 1 LB. \$.75

GENERAL ELECTRIC HEAVY DUTY MULTI-SWITCH FOUR CONTACT 3 POSITION & OFF. POS. 1 & 2, 2 & 3, AND 3&1 SIZE: 5x4x2 1/2; WT: 3 LBS. GE#16SBIGF11X4/SB-1 \$4.95

TERMINAL BOARD P/O BD-71 SWITCHBOARD. 15 BRASS SCREW TYPE BINDING POSTS ON INSULATING BOARD 3x16 3 LBS. \$1.50

ACCELEROMETER WITH DARSONVAL MOVEMENT WITH FLAG NEEDLE THAT CONTROLS THE AMOUNT OF LIGHT THAT APPEARS IN THE SLOTTED OPENING IN ACCORDANCE WITH THE VOLTAGE APPLIED TO THE METER MOVEMENT. SIZE: 2 1/2" x 3 1/2" x 1 1/2"; WT: 1LB MK-3 ACCELEROMETER \$1.50

RHEOSTAT CONTROL UNIT FOR HEATED CLOTHING; 100 WATT 5.75 OHM RHEOSTAT MOUNTED IN CONTROL BOX WITH INDICATOR KNOB ALSO ON/OFF SWITCH & DUAL LOCKING TYPE SOCKETS FOR INPUT AND CONTROLLED OUTPUT VOLTAGES. SIZE: 5x4x2; WT: 3 LBS. TYPE Q-1C UNUSED \$2.95

CONTACTOR; ALLEN BRADLEY, COIL 26 VDC, CONTACTS 115 VAC 22 AMPS. 3 POLE, WESTERN ELECTRIC #GA51038-SIZE: 5 1/2" x 3 1/2" x 3 1/2"; 3LB. \$4.95

WOBBULATOR MAKE A SWEEP SIGNAL GENERATOR WITH THIS VOICE-COIL DRIVEN CAPACITOR. THIS UNIT CONSISTS OF 10.5 OZ. ALNICO MAGNET DRIVING A THIN ALUMINUM PLATE CLOSER TO OR AWAY FROM THE STATIONARY CAPACITOR PLATES WITH LEADS 5 TO 100 MMFD CAN BE OBTAINED SIZE 3x3x2; 1 1/2 LBS. #Y-101 AVAILABLE ONLY WITH CRACKED CERAMIC (NO EFFECT) \$2.95

POTENTIOMETER 100 WATT, 100,00 OHM IN 20 STEPS 5000 OHM EACH WITH HEAVY DUTY CONTACTS & INSULATED TERMINALS \$1.25 7 SHAFT. DAVEN#1373 SIZE: 5 1/2" x 3 1/2", SHAFT 1-3/8" x 3/8". WT: 1LB. STK#227281-3

AUDIO OSCILLATOR BOX ASSY. W/24 12 MMFD. CERAMIC TRIMM. 21 TEMP. COMP. CAP. & RESISTOR WHEN USED WITH 2/6SJ7 TUBES & ASSOC. PARTS IT WILL PRODUCE FREQ. 425-2295 CYCLES IN 12 STEPS OF 170 CYC. EA. 5 1/2" x 5 1/2" x 4 1/2"; WT: 5LB. #R26 \$4.95

SINGLE BAND BEAM BALUN INPUT 75 OHM UNBALANCED. OUTPUT 100 OHM BALANCED. UNIT FOR 10 METERS ONLY. WEATHER PROOF. 3 1/2" x 3 1/2" x 4 WT. 5 LBS. PRICE NEW \$1.25

CURRENT TRANSFORMER FOR USE WITH AC AMMETER, MOLDED TOROIDAL CONSTANT 200/115 V 400 CPS CURRENT RATING 500; 0.65 AMPS. 2 1/2" x 2 1/2" x 1/2" IN. 4 OZ. # 7499 \$.75 SIMILAR TO ABOVE OPEN TOROIDAL. RATING 250; 2 AMPS 400 CPS. WEST. TYPE AVT-15A 3x3x1, 8 oz. \$.75

ANTENNA RELAY UNIT RE-2/ARC-5 WITH 2 1/2" ANTENNA CURRENT INDICATOR 0-10. ALSO ANTENNA SWITCHING RELAY AND 30 MAF VACUUM CAPACITOR 5 AMPS. 5 LBS. 3 1/2" x 4 1/2" x 6 PRICE RECORD. WITH CAP \$4.95

SELENOID SHORTING RELAY 40VDC HEAVY DUTY INSULATOR 2 1/2" x 3", STEEL SHORTING BAR 4 1/2", 1 1/2" DRAW AT END, 1 1/2" AT SEL. SIZE 9 1/2" x 3 1/2" x 7 1/2"; 10LB #5945-201-7829 \$3.95

ARC-12 ANTENNA CHANGE-OVER RELAY BNC CONNECTORS FOR EQUIP. UG-23-UG-21 F/ANT. REGULAP & AUX ANT. CONN. 24 VDC RELAY. W/BNC CABLES. \$2.75 UG-21 ANTENNA CONN. \$.75

ANTENNA CHANGE-OVER RELAY 6 V.D.C. SWITCHES BNC TO SUB-MINIATURE COAX. SPDT. 2 1/2" x 1 1/2" x 1; 4 OZ. #3380-511125-1125 \$2.95

BC-198 ANTENNA 12V SWITCHING RELAY FOR RECEIVER TO TRANS. PUSH BINDING POSTS, PL-77 PLUG. 5x5x1 1/2; 1LB.U. \$1.95

ANTENNA CHARGE-OVER S.P.D.T FOR COAXIAL CABLE 28 VDC ROTARY ACTUATOR WAFER, LOW-LOSS HIGH-POWER. GENERAL COMM #2LN180RC-1 NEW \$3.95

SIZE: 4 1/2" x 3 1/2" x 2 1/2"; WT: 1LB. TYPE "LN" CONN. CUT-OFFS 50% AN CONN. 7 CONTACT \$1.00

COAXIAL SWITCH S.P.D.T. FOR COAXIAL CABLE 28 VDC ROTARY ACTUATOR WAFER. USES TYPE "N" CONNECTOR. SA-185/U \$3.95

TYPE "N" CONNECTOR CUT-OFF \$.50 CONNECTOR 3 CONTACT \$1.00

FIRE DETECTOR PHOTOELECTRIC RESISTANCE TYPE 1.5 MEG. MAX DECREASES WITH INTENSITY OF LIGHT. #6340-651-6213 SIZE 2 1/2" x 3" x 3" \$2.95

ART-13 TRANSMITTER

100 WATT AIRCRAFT AUTOTUNE TRANSMITTER

MAKES A VERY SATISFACTORY AMATEUR UNIT FOR 80, 40, 20 AND 10 METERS. THE AUTOTUNE FEATURE PERMITS YOU TO PRESET THE FREQUENCY DESIRED ON ANY 10 PRESELECTED CHANNELS. (FOR CONVERSION INSTRUCTIONS SEE MANUALS #2 & #3 \$3.00 EA. TUBE LINEUP: 1/837, 1/813, 2/1625, 1/125J7, 2/6V6, 2/811, 2/12SL7, 1/12SA7. VOLTAGE REQUIRED 28VDC 10AMP, 400VDC, 225MA & 1250VDC 250MA. SIZE: 23x16x11 1/2 WT. 70LBS

PRICE: USED \$49.50
CONNECTOR PLUGS FOR TRANS. U/7 & U/8 \$2.50 EA. DYNAMOTOR FOR ART-13 WITH FILTERS & RELAYS 28VDC INPUT. PRICE: USED \$12.95

NEW
CONNECTOR PLUGS FOR DYNAMOTOR U-9 OR U-10 EACH \$2.50
CU-24/ART-13 ANTENNA SHUNT CAPACITOR CONSISTS OF 3 CAPACITORS 25MMF 10KV
PRICE USED \$1.00

O-17/ART-13 LOW FREQUENCY OSCILLATOR PLUGS INTO THE FRONT OF THE TRANSMITTER AND COVERS THE FREQ. RANGE OF 200 TO 600 KC IN 3 BANDS WITH VFO AND CRYSTAL CONTROL ON THREE PRESELECTED FREQ. COMPLETE WITH ONE 1625 TUBE. ALL OPERATING VOLTAGES ARE OBTAINED FROM THE TRANS. POWER SUPPLY. SIZE 5 1/2 x 5 1/2 x 9; WT. 4LBS. USED \$5.95 UNUSED \$7.95

SA-22/ART-13 ANTENNA SWITCHING UNIT CONTAINS A BENDIX VACUUM RELAY LM-26G, 24VDC, 2 POSITION CERAMIC SWITCH & 4 LARGE INSULATORS SAME AS USED ON TRANSMITTER, ALSO SO-239 COAX. CONNECTOR. SIZE: 11x7x7 WT 10LBS

PRICE: NEW \$4.95

CU-25/ART-13 TRANSMITTER ANTENNA TUNER FOR 200 TO 600 KC, CONSISTS OF A VARIOCOUPLER, 13 POSITION SWITCH WIRED TO A FIXED TAPPED COIL, ALSO .0008 5000 VOLT MICA CAPACITOR INSULATED COUPLINGS ETC. SIZE: 10x9x9 1/2; WT: 13 LBS. UNUSED \$4.95

ART-13 AUDIO SPEECH AMPLIFIER CONTAINS TWO 6V6GT & ONE 12SJ7 TUBES, CAN BE USED FOR CARBON OR DYNAMIC MIC. SIZE: 7x4x3 1/2; WT: 4LBS, USED STK #2C254 PRICE \$5.95

ART-13 CFI CALIBRATION FREQUENCY INDICATOR & MCW OSCILLATOR ASSY. USED TO PROVIDE A CONSTANT CRYSTAL CONTROLLED STANDARD OF 200 KC. IN ORDER THAT FREQ. CAN BE CHECKED ALSO 1000 CYCLE TONE. WITH 200KC. CRYSTAL & 2 TUBES SI 6X5X3 WT. 3LBS STK. #8Q1 PRICE USED \$6.95

HYDROPHONE

HYDROPHONE TRANSDUCER MICROPHONE

ROCHELLE SALT TYPE USED TO PICK UP UNDERWATER SOUNDS IN THE FREQUENCY RANGE OF 1 TO 20,000 CYCLES. AVERAGE IMPEDANCE 25 OHMS UP TO 400 FT. WITH TRANSFORMER HOUSED IN RUBBER WATERPROOF JACKET FILLED WITH OIL & 9 FT. RUBBER CONNECTING CABLE. SIZE: 5 1/2 x 3 1/2; WT: 2 1/2 LBS. (NOT MAILABLE) SONAR # NT-51038F PRICE: NEW \$14.95

SN-17/AP8-10 SYNCHRONIZER, \$9.95 TRANSMITTER & RECEIVER ALSO SWEEP AND CONTROL CIRCUITS FOR THE INDICATOR. GENERATES CONTROL FOR THE PULSE RECURRENCE RATES OF 410 TO 820 CPS AND RANGE MARKS OF 0-4-25 METERS. SIZE 8x6x13; WT: 30 LBS.

TEST SET

TS-3A/AP RADAR FREQUENCY METER 2400 TO 3400 MC USING A TUNEABLE CAVITY ALSO HAS 3rd METER FOR TESTING POWER OUTPUT, 0-2 MA. MOVEMENT 0-20 SCALE. USED WITH SCR-717/720 RADAR SET. WITH CABLES, TEST LAMP, COMPUTER RULE ETC. SIZE: 8 1/2 x 8 1/2 x 8 1/2; WT: 25 LBS. PRICE: UNUSED \$9.95

TUNED CAVITY

FR-72 TUNED CAVITY PORTABLE RINGING CAVITY USED FOR TESTING THE OVERALL PERFORMANCE OF RADAR EQUIPMENT SUCH AS POWER OUTPUT & FREQUENCY SPECTRUM.



THE ECHO BOX CONTAINS A PRECISE-DIMENSIONED, SILVER PLATED RESONANT CAVITY THAT OPERATES AS A SHARPLY TUNED CIRCUIT IN WHICH INDUCTANCE AND CAPACITANCE ARE TUNED TO RESONANCE AT THE FREQ. BEING MEASURED. FREQ. RANGE 8500 TO 9000 MEGACYCLES. A 3 1/2" 0-20 MICROAMP. METER IS USED TO INDICATE PART OF THE STORED ENERGY. POWER IS OBTAINED FROM THE UNIT UNDER TEST. SUPPLIED WITH 1N-23B CRYSTAL DIODE, UG-446/U ADAPTER AND 8 FT. COAXIAL CABLE. SIZE: 16x26x14; WT: 45 LBS. UNUSED \$19.95



TS-62 ECHO BOX & CAVITY PORTABLE SELF-CONTAINED MANUALLY TUNED TEST SET USED FOR CHECKING RADAR EQUIPMENT IN THE 9320-9420 MC. RANGE. IT WILL

DETERMINE THE FREQ. OF CW, MCW OR PULSED SIGNALS, MEASURE RELATIVE OUTPUT ON A 0-20 3 1/2 MICRAMP METER, DETECT DOUBLE MODING OF MAGNETRONS AND GIVES SIGNAL TO NOISE RATIO OF REC. ANTENNA PICK-UP ASSY WITH CABLE IS PROVIDED. SIZE: 6 1/2 x 18 1/2 x 1 1/2; WT: 15 LBS. PRICE: USED \$9.95



AN/PDR-27 RADIAC SET; PORTABLE BATTERY-OPERATED RADIATION DETECTOR AND INDICATOR. IT IS CAPABLE OF DETECTING AND MEASURING BETA AND GAMMA RADIATIONS TOGETHER OR GAMMA ALONE. THE UNIT CAN BE CARRIED BY HAND AND THE PROBE IS ATTACHED TO THE MAIN UNIT BY A COILED CORD. VISUAL RADIATION IS INDICATED ON THE METER AND AURAL IN THE HEADPHONES. BATTERY VOLTAGE REQUIRED

135 vdc, 22.5 vdc & 1.5 vdc. WITH TUBES 1/3V4 3/502AX AND 2 GM TUBES BS-1 & 2. SHIPPED IN METAL CARRING CASE 9 1/2 x 15 x 10 1/2; 20LBS THESE UNITS ARE SOLD LESS HEADSET, CARRING STRAP AND ARE NOT IN OPERATING CONDITION. \$10.00

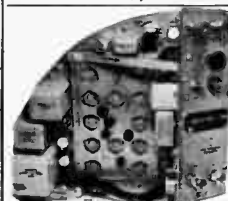


BC-746 TUNING UNIT FOR BC-745 TRANSMITTER AND RECEIVER. CONTAINS 2 CRYSTALS, ANTENNA COIL, VARIABLE CAPACITOR AND R.F. COILS. VAR. CAP. 6.5 TO 140 MMF. CRYSTALS FT-243.

THE FOLLOWING FREQ. ARE AVAILABLE:

CHAN. NO.	FREQ. KCFREQ.	REC. FREQ.	CHAN. NO.	FREQ. FREQ.
1	3010	3465	9	3655
4	4845	5300	11	4780
5	5500	5955	12	5030
6	5880	6335	13	5305
7	3245	3700		5700

SIZE: 4x3x1 1/2; WT: 1 LB. PRICE: EACH \$1.25



R.F. OSCILLATOR, PART OF GKA-1 EQUIPMENT. CONTAIN SEVERAL TYPES OF BAND PASS FILTERS, VARIABLE CAPACITOR, TUBE SOCKETS, PIN JACKS, RESISTORS 1/2 PILOT LIGHTS, SWITCH, POTS 2/UG-88 COAX. CONNECTORS ETC. OSC. FREQ APPROX. 24 KC. SIZE: 12x12x4 1/2; 13 LBS. RE-MOVED \$1.95

VISUAL FLASH LAMP



USED BY AIRCRAFT OR GROUND UNITS FOR IDENTIFICATION PURPOSES. GIVES A EXTREMELY BRIGHT FLASH OF LIGHT THAT CAN BE SEEN BY AIR IN BRIGHT SUN 3 MILES OR 1 MILE ON THE GROUND. AVAILABLE FOR 12 OR 24 VOLT D.C. OPERATION. CONSISTS OF A HIGH VOLTAGE CONVERTER USING A VIBRATOR TYPE POWER SUPPLY WITH 2 CAPACITORS 25 MFD 2000 VDC, INT. DUTY, 2/12X3 TUBES ONE SYLVANIA FLSH LAMP #1073 WITH HOLDER & 20 FT. CABLE, 15 FOOT BATTERY CABLE 2 COND. #10 ETC. FLASH RATE ONE PER 1 1/2 SECONDS. SIZE: 17x10 1/2 x 4 1/2; WT: 50 LBS. W/MANUAL PRICE: UNUSED CHECKED \$29.95

SYLVANIA FLASH LAMP WITH PORTABLE HOLDER & LAMP SOCKET, SWITCH, IGNITION COIL AND 20 FT. 4 COND. CABLE. (COIL NOT GUARANTEED) \$10.00

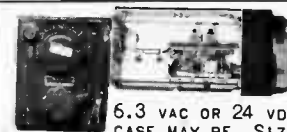
APR-4 RECEIVER



R 444/APR-4Y RECEIVER AND CV-253/ALR TUNING UNIT FOUR BAND TO COVER THE FREQUENCY OF 38 TO 1000 MC. USED IN AIRCRAFT AS SEARCH EQUIP. TO DETECT ELECTROMAGNETIC RADIATION, THE FREQ. OF SIG

NALS, RELATIVE FIELD STRENGTH AND AUDIO OUTPUT. SELECTOR PERMITS CHOICE OF AM NARROW/WID OR FM. ALSO IF ATTN. SELECTOR, MET. SW., RANGE SELECTOR, SWEEP CONTROL & TUNING KNOB. METER 2 1/2" FOR TUNING. ORIGINALLY DESIGNED FOR 115 V 400 CYCLE POWER SOURCE UNITS ARE AVAILABLE FOR 115 VOLT 60 CYCLE. ALSO REQUIRED IS 24 VDC FOR PILOT LIGHTS AND SCANNING MOTOR WHEN TUNING UNITS WITH MOTORS ARE USED. REC. USED SIZE: 8x10 1/2 x 12 1/2; WT: REC. ONLY 33 LBS. TU.20L PRICE: REC. ONLY \$95.00 WITH CV-253 TU \$250.00 CV-253 CONVERTER 38-1000 MC NEW 175.00

ANY OF THE TUNING UNITS LISTED BELOW CAN BE USED WITH THE R-444/APR-4Y OR R-54/APR-4 WE WILL SHIP WHICHEVER RECEIVER IS AVAILABLE. R-54/APR-4 RECEIVER SAME AS ABOVE ONLY DIFF. POWER REQ. 115 VOLT 60 TO 2500 CYCLE & 24 VDC SAME PRICE AND TUNING UNITS CAN BE USED.



CONVERTER TUNING UNITS FOR USE WITH 30 MC. I.F. NO POWER SUPPLIES REQUIRE 300 VDC, 6.3 VAC OR 24 VDC WHICHEVER THE CASE MAY BE. SIZE: 9x7x1 1/2; 25 LBS. AI

TN-16/APR-4 TUNING UNIT	38- 95 MC	\$25.00
TN-17/ " " "	" " "	NOT AVAILABLE
TN-18/ " " "	300-1000 "	45.00
TN-19/ " " "	975-2200 "	39.95
TN-54/ " " "	2150-4000 "	75.00
CV-253 " " "	38-1000 "	125.00

TN-1/APR-1 " " "	38- 95 "	25.00
TN-3/APR-1 " " "	300-1000 "	35.00

POWER PLUG TO FIT SETS \$1.50 SHOCKMOUNT 2.50

TV CAMERA



BC-1211 CONVERSION UNIT; CONTAINS NECESSARY CKT AND COMP. FOR PICKING UP OPTICAL IMAGE AND CONVERTING IT TO VIDEO SIGNAL, ALSO GENERATES BLANKING AND SYNC. PULSES TO COMBINE W/VIDEO TO FORM COMPOSITE SIGNAL WITH TUBES 1846, 2/6L6, 1/VR-150, 4/1649, 2/6X5, 3/12SL7 & 4/12SN7. SIZE: 8 1/2 x 10 1/2 x 20; WT: 40 LBS. UNUSED PRICE: WITH TUBES AND LENSE \$100.00 " " LESS " 75.00

TV TRANSMITTER



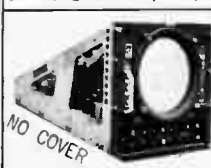
T-61/AXT-2 TRANSMITTER FREQ. RANGE 264 TO 372 MC, RECEIVES RADIO & SYNCHRONIZING SIGNALS QND BLANKING SIGNALS AND TRANSMITS MODULATED R.F. CARRIER WHICH IS GENERATED IN THIS UNIT

BY MEANS OF OSCILLATOR AND POWER AMPLIFIER. POWER REQ. 750 vdc 225 MA & 24/28 V. WITH TUBES 4/8025, 2/6L6, 2/6SH7, 1 EA. 5Y3GT, 6SL7GT, 6V6GT & 955. SIZE: 9x14x18; WT: 40 LBS

PRICE: USED \$32.50 UNUSED \$39.50

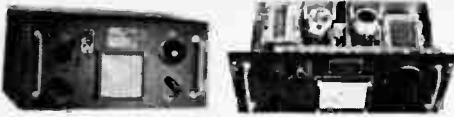


ID-66/AXR-1 MONITOR INDICATOR VIDEO REPEATER; AUX. VIDEO UNIT CONTAINING AMPLIFIER CIRCUITS, DRIVEN TYPE DEFLECTION CIRCUIT HV GENERATOR AND 7" C.R. TUBE WITH TUBES 7CP1, 2/12SN7, 1/807, 1/8016, 1/6AC7, 1/6SN7. ALSO DYNAMOTOR 24 VDC INPUT, OUTPUT 400 VDC 125 MA. U/W AXT-2 SET. SIZE: 8 1/2 x 10 x 19; WT: 20 LBS. PRICE: USED \$19.95



IP-53/CPS-6 RADAR HEIGHT INDICATOR WITH 12DP7AC.R. TUBE ALSO 6/807, 13/6SN7, 5/6AC7, 1/6AG7, 1/6SJ7, AND 1/VR-150. NO POWER SUPPLY WITH THIS UNIT. SIZE: 20x18x3 1/2; WT: 125 LBS. PRICE: USED \$22.95

PARTS BONNAZA



PLUG IN TUNING UNITS USED WITH BC-191/BC-375 TRANSMITTER. THESE UNITS CONTAIN MANY PARTS THAT CAN BE USED BY SCHOOLS, LABORATORIES, HAMS, OR EXPERIMENTERS. LISTED BELOW ARE THE VARIOUS TUNING UNITS WITH FREQUENCY COVERAGE, AND PARTS LIST. ALL UNITS INCLUDE CABINET, KNOBS, HANDLES, BRACKETS, AND OTHER PARTS. THE NEW TUNING UNITS ALSO INCLUDE THE OUTER CASE.

SIZE: 17x9x7½ WT: 13 LBS.

TU-5B 1500-3000KC

M-O tank inductance
M-O band change switch
Antenna coupling switch
P-A band change switch
Capacitors, as follows:
3/0.0001 mfd 3000 volt
0.00003 mfd 2000 volts
2/0.0004 mfd 5000 volts
3/0.0009 mfd 3000 volts
Var. 8-26mmf, 20-135mmf
20-156mmf
Antenna coupling coil
P-A grid choke coil
M-O grid choke coil
P-A tank inductance
Res. 15 ohms, 4.5 watts
2½" vernier dial
right angle drive
USED \$5.95 NEW \$7.95

TU-6B 3000-4500KC

M-O tank inductance
P-A tank inductance
P-A grid choke coil
M-O grid choke coil
Antenna coupling coil
M-O band change switch
P-A band change switch
Antenna coupling switch
Capacitors, as follows
2/0.0005mfd 3000 volt
2/0.0004mfd 5000 volts
Variable cap. 19-116
mmf, 8-26mmf, 15-77mmf
M-O tuning compensator
Res. 15 ohm, 4.5 watts
2½" Vernier dial
Right angle drive
NEW \$5.95

TU-7-B 4500-6200KC

M-O tank inductance
P-A tank inductance
Antenna coupling switch
Antenna coupling coil
P-A grid choke coil
M-O grid choke coil
Cap. as follows:
2/0.0004mfd 5000 volts
Var. Cap. 8-26 mmf,
23-111mmf, 19-116mmf
2½" Vernier dial
Right angle drive
NEW \$5.95

BC-306 ANTENNA TUNING UNIT

200-500 KC

VARIOMETER COIL

VARIOMETER DIAL

ANTENNA COUPLING SWITCH

INSULATORS

NEW \$4.95

TU-8-B 6200-7700KC

M-O tank inductance
M-O grid choke coil
P-A grid choke coil
P-A tank inductance
Antenna coupling coil
Antenna coupling switch
Cap. 2/0.0004mfd 5000v
Var. Cap. 14-66mmf,
8-26mmf, 15-81mmf
2½" Vernier dial
Right angle drive
NEW \$5.95

TU-9-B 7700-10,000KC

M-O tank inductance
M-O grid choke coil
P-A grid choke coil
P-A tank inductance
Antenna coupling coil
Antenna coupling switch
Cap. 3/0.0004mfd 5000v
Var. Cap. 19-116mmf,
8-26mmf, 15-77mmf
2½" Vernier dial
Right angle drive
NEW \$4.95

TU-10-B 10,000-12,500KC

M-O tank inductance
M-O grid choke coil
P-A tank inductance
P-A grid choke coil
Ant. coupling coil
Ant. coupling switch
M-O choke coil
Cap. 3/0.0004mfd 5000v
Var. cap. 14-62mmf,
19-116mmf, 8-26mmf
2½" vernier dial
Right angle drive
NEW \$4.95

TU-26-B 200-500KC

M-O tank variometer
M-O plate coil
M-O grid choke coil
P-A tank variometer
P-A grid choke coil
M-O band change switch
Antenna Coupling switch
Antenna coupling coil
Capacitors, as follows
2/0.0004mfd 3000v
2/0.005mfd 5000v
2/0.004mfd 5000v
2/0.0035mfd 5000v
0.002mfd 5000v
0.0005mfd 3000v
0.0007mfd 3000v
12mmf, 35mmf
Var. cap. 8-26mmf
Res. 15 ohm 4.5 watts
2½" Vernier dial
Right angle drive
USED \$5.95 NEW \$7.95

PRESSURE UNIT



AUTOMATIC PRESSURIZATION UNIT MODEL E/AP-150 TYPE 203. INPUT VOLTAGES 27 VDC .4 AMPS. 200 VOLTS 400 CYC DUTY: INT. AIR OUTPUT RATE 110 CUBIC INCH MINUTE; PRESSURE RANGE 10-16 PSI G. WITH 2½" METER 0-25 SCALE. SIZE: 9x4½x5; WT: 8 LBS. USED \$8.95 PLUG \$1.50

BC-603 RECEIVER



BC-603 RECEIVER F.M. 20-27.9MC CONTINUOUS TUNING & 10 PRESET PUSH BUTTON CHANNEL SELECTOR. WITH SENSITIVITY SQUELCH & VOL UME CONTROLS, 2 WATT OUTPUT TO SELF CONTAINED SPEAKER, ONE (1) MICROVOLT SENSITIVITY 2.65KC 1.F. 10 TUBES 3/6AC7, 1/6J5, 2/12SG7, 2/6SL7, 1/6H6 & 1/6V6GT. VOLTAGE REQUIRED 12/24 VOLTS FOR FILAMENTS. 220 VDC @ 80 MA. FOR HIGH VOLT. SIZE 11½x6½x 12½; WT: 35 LBS. PRICE: USED NOT OPERATING \$19.95

CONVERTED 35-45 MC \$44.95

FOR BEST RESULTS ORDER SPECIFIC FREQ. DESIRED

AC POWER SUPPLY FOR BC-603: NO CONVERSION NEEDED EXCEPT TO ADD SWITCH. (INSTRUCTIONS SUPPLIED) WIRED \$14.95 KIT OF PARTS \$11.00 DYNAMOTORS: DM-34 12 VDC, DM-36 24 VDC 4.95

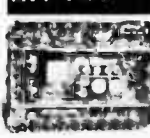
RELAY TEST SET

USED \$16.95
RE-COND. 21.95

1-193 RELAY TEST SET: USED FOR TESTING 255, 255A, D-15319A, D-164 816A POLAR RELAYS ETC. FOR BIAS AND SENSITIVITY. THE ELECTRICAL CHARACTERISTICS ARE DETERMINED BY THE DEFLECTIONS OF THE METER. ALSO CONTAINS CIRCUIT FOR SENDING PULSES FOR TESTING EXTERNAL TELEGRAPH CIRCUITS AND A 10-20 CYCLE OSCILLATOR FOR FOR TESTING AND LINE-UP PURPOSES. OPERATES FROM 115/130 VDC 10 WATTS. (RA-87 RECTIFIER SHOWN ON PAGE 8 OF THIS CATALOG WILL OPERATE THIS EQUIPMENT) SHIPPED IN WOOD CHEST 24X12X13; WT: 75 LBS.



A.F.C. UNIT



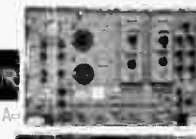
AUTOMATIC FREQ. CONTROL UNIT No. 600671; USED WITH FIRE CONTROL SYSTEM WITH 16 TUBES 2/5829, 11/5703, 2/5702 & 1/5784, DPT SIGMA RELAY THAT WILL OPERATE FROM 12 VDC @ 2.8 MA, SLUG TUNED COILS, RESISTORS, COND. ETC. (SORRY DO NOT KNOW FREQ. NO SCHEMATIC) SIZE: 4x2x6; WT: 5LBS. PRICE USED \$2.95

IP-274/ALA-10 PANORAMIC ADAPTER INDICATOR; FOR USE WITH RECEIVERS HAVING 30 MC 1.F. FREQ. FRONT PANEL CONTROLS. PRE, HOR, CENTER FREQ, INTENSITY, FOCUS, SYNC, PAN ETC. WITH TUBES 3BP1, 1B3, 0J3, 3/2807, 12AU7, 6SN7, 884, 2/6SL7, 6J6, 6AC7, 2/6BA6, 6AL5, 6X5 & 6BE6. POWER REQ. 115 VOLT 380-1000 CYCLE. TRANSFORMER OUTPUT VOLTAGE 1.25v .2A. 650v 2MA. 300VDC 70MA, 6.3v .9A. 6.3v 4.65A. SIZE: 5x8x21; WT: 18LBS. PRICE USED \$19.95



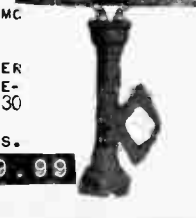
STANDARD ELECTRIC TIMER TYPE S-1 ONE (1) REV. PER SEC. MOTOR 115 VOLT 400 CYCLE, CLUTCH 24 VDC, RESET 24 VDC. SIZE 5½x5½x4½; WT: 8 LBS. STOCK NUMBER 6E45-803-2187 PRICE: UNUSED \$24.95

WAVE METER



SCOPE OSCILLATOR

AN UPN- WAVE METER OSCILLATOR-SCOPE RADAR TEST UNIT FOR 155-235MC AND 460-570MC CONTAINS PULSE AND SWEEP GENERATORS VIDEO AMP. 3" OSCILLOSCOPE, TWO WAVE METER TWO OSCILLATORS, POWER REQUIREMENTS: 80, 115, OR 230 VOLTS AC. 60-1000 CYCLES. SIZE: 30x21x24; WT: 150LBS. USED ANTENNA FOR AN/UPN-1 SIZE: 21x12 WT. 11 LBS. USED \$9.95

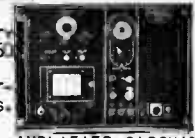


SIGNAL GENERATOR

USED \$18.95

BC-1277 SIGNAL GENERATOR

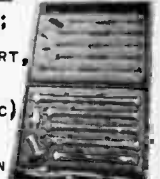
2400 TO 3400 MC. TUNED CAVITY DIGIT COUNTER DIVISIONS 30/60 MC. 0-50 D.C. 3½" MICROAMP. METER FOR MEASURING THE VOLTAGES OF THE VARIOUS CIRCUITS. ATTENUATOR, SYNC. AMP., STD. SIGNAL SHAPE AND CAL. SIGNAL AMPLIFIER CIRCUIT OPERATES FROM 115 V. 50-1200 CYCLE. WITH TUBES 3/VR-150, 4/6AC7, 2/VR-105, 2/6Y6, 2/6SF5, 1/6L7, 1/6L6, 1/707A, 1/6X5 & 1/5T4. USED FOR TESTING RADAR. SIZE IN WOOD CHEST 22x17x17; WT: 100 LB



ATTENUATORS

MX-1309/URM-23 POWER MEASURING; KIT OF WAVEGUIDE ATTENUATORS, ADAPTER, BALOMETER, CABLE & CHART, 1000 TO 4000 MC.

ATTENUATOR CN-110/U 10 DB
" CN-111/U 20 DB (2pc)
" CN-168/U 3 DB
" CN-169/U 6 DB
RF BALOMETER DT-76/U, "M" CON
ADAPTER CONN. UG-402/U
COAXIAL CABLE CG-92B/U, w/UG-21 EA. END. METAL CARRING CASE, FITTED, SIZE 19x5x14; WT: 32 LBS. COMPLETE SET \$14.95

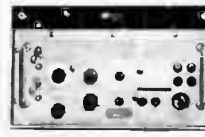


PULSE GENERATOR

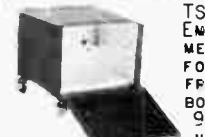


AN/UPM 19 RA AR TEST SET CONSISTS OF SG-76 PULSE GENERATOR THAT COVERS THE FREQ. OF 2650-2950 MC. VARIABLE FREQ. AND R.F. OSCILLATOR CONTROLS BCN CONN. REQ. FOR R.F IN, R.F OUT, VIDEO PULSE AND SYNC. OUT JACKS. 2½" R.F. CAL. POWER METER 25 TUBES, OPERATES FROM 24 VDC VIBRATOR POWER PACK. ABOVE IS CONTAINED IN CASE # 1 OF 2. CASE 2 OF 2 CONTAINS, 2 ANTENNAS, CONTROL BOX, LITE INDICATOR BOX, PLUGS AND CABLES. ALUMINUM CARRING CASE SIZES 16½x8x14 AND 14x 10x10; SHPG. WT: 80 LBS. PRICE: USED \$29.50

CALIBRATOR



TS-102B/AP CALIBRATOR: RANGE CALIBRATOR PORTABLE PULSE GENERATOR WITH REPE- TITION FREQ. OF 400, 800, 1600, 2000 & 4000, MARKER AND SYNCHRONIZING PULSE, VARIABLE DELAY LINE PHASE ADJUSTMENT. OPERATES FROM 115 V. 50-1000 CYCLE WITH TUBES 2/6X4W, 3/6AC7 6/5814, 2/UG273/U CONN. 4/CABLES w/UG-88R/U SIZE: 16x10x11; WT: 28 LBS. UNUSED \$14.95



TS-164 FREQUENCY METER CASE EMPTY CASE USED TO HOUSE FREQ METER BC-221, CAN ALSO BE USE FOR SIMILAR TYPES, HINGED FRONT COVER FOR CALIBRATION BOOK, FRONT COMPARTMENT SIZE 9½x7½x7½, REAR COMPARTMENT HAS 2 BALLAST TUBES AND VOLTAGE REGULATOR TUBE VR-105, REAR COMPARTMENT IS 2" DEEP ALSO RELAY AND SHOCK-MOUNTING. SHPG. WT: 19 LB. NEW \$3.95



JB-70 JUNCTION BOX; USED WITH BC-610 TRANSMITTER. FRONT PANEL HAS SWITCHES AND CONTROLS FOR REMOTE USE OF TRANS. HAS AC OUTLETS BOTTOM & SIDE, 4 HEADSET & 2 KEY JACKS, MIC PLUG, 2 WAFER, 4 TOGGLE, LEVER & START/STOP SWITCHES, CIRCUIT BREAKER, CABLES ETC. SIZE 19x13x5½; WT: 40 LBS. PRICE: USED \$9.95



AUTOSYN INSTRUMENT FIELD TESTER; AAF #43G18624 IS A SIMPLE TESTER THAT IS DESIGNED TO TEST THE ELECTRICAL CIRCUITS OF ALL MINIATURE 26 V. 400 CYC. AUTOSYNS. WHEN CONNECTED TO THE SUPPLY IT CAN BE USED AS A TRANSMITTER OR INDICATOR ALSO HAS ELECTRICAL ZERO TESTING CIRCUIT. SIZE: 6x10x5; WT: 8 LBS. PRICE: METAL CASE HINGED COVER & CABLES. USED \$8.95 WOOD CASE NO COVER/CABLES 3.95

AF/URG-60 RECEIVER
100 TO 156 MC AM
CRYSTAL CONTROL ONE
CHANNEL, AVC, SQUELCH
AND NOISE LIMITER
CIRCUITS, 115 VOLT 25-60 CYCLE WITH TUBES
4/6AK5, 4/6SG7, 2/6H6, 2/6SJ7, 1/6F6 & 1/5Y3GT.
OUTPUT PHONE AND LINE JACKS, RF AND VOLUME CON
TROLS, PILOT LIGHT, SWITCHES ETC.
RACK PANEL MTG. 19x5x15 1/2; WT: 50 LBS.
PRICES: USED \$39.50 CHECKED FOR OPERATION \$45

MOTOROLA
T-193 TRANSMITTER 30-40
MC, F.M. 30 WATT, CRYSTAL
CONTROL SINGLE CHANNEL,
6 VOLT DC DYNAMOTOR WITH
TUBES 4/7C7, 2/7AB, 1/6V6
& 1/807.
SIZE: 15x9x9; WT: 30 LBS.
PRICES: NEW \$14.95 USED \$9.95 NO TUBES \$5LESS

MOTOROLA TRANSMITTER 152-172 MC FM USED \$14.95

30 MC - 28 MC
BC-499 RECEIVER F.M. 20-28
MC, 5 CHANNEL CRYSTAL CON
TROL, FD 15 KC, WITH 11
TUBES 3/12SH7, 1/12SJ7, 2/
12H6, 2/12A6, 1/12SL7GT &
2/12K8. WITH 14 VDC DYNA
MOTOR OUTPUT 260 VDC 60
MA., AUDIO OUTPUT 500OHM
& SQUELCH CIRCUIT.
SIZE: 12x9x9 1/2; WT: 23 LBS.
PRICE: RE-NEW \$18.95
CONNECTOR PLUG TO FIT UNIT ... \$1.50

PHILCO
PHILCO TRANSMITTERS PRT150GT 154-172 MC. FM.
30 WATT, 6 VOLT DYNAMOTOR P.S.
CRYSTAL CONTROL SINGLE CHANNEL
TUBES, 2/3A4, 1/9003, 1/6BJ6, 2/
2E24, 1/6C4, & 1/2E30. USED COND
SIZE: 15x10x8; WT: 35 LBS.
PRICE: W/TUBES, L/CRYS. \$14.95

PHILCO RECEIVER PRT72G 70-80 MC.F.M 6 VOLT
VIBRATOR POWER SUPPLY, CRYSTAL CONTROL
SQUELCH CIRCUIT, WITH TUBES 3/6BQ6, 3/6AK5,
2/6AQ6, 1/6C4, 1/7F7 & 1/7A8. USED LESS CRYST.
SIZE: 15x10x8; WT: 30 LBS. \$14.95

NAVY WALKIE TALKIE
MARINE BAND
NAVY WALKIE TALKIE TRANSMITTER &
RECEIVER. THIS EQUIPMENT IS CRYSTAL
CONTROLLED AND CAN BE OPERATED ON
ANY ONE CHANNEL IN THE FREQUENCY
RANGE OF 2.3 TO 4.5 MC. VOICE (A3)
COMMUNICATION ONLY, OUTPUT OF TRANS
IS 0.2 WATTS AND SATISFACTORY COMMUN
ICATION BETWEEN UNITS OVER AVERAGE
TERRAIN SHOULD BE ABLE TO BE MAINT-
AINED UP TO APPROX. (1) ONE MILE.
WITH TUBES 1/1R5, 1/1S5, 2/1T4, 3/3A4. VOLTAGES
REQUIRED 67.5 VDC 3 MA; 135 VDC 4 MA; 1.5VDC
225 MA FOR REC. 67.5 VDC 1.5 MA; 135 VDC 19
MA; 1.5VDC 225 MA & -6VDC 30 MA FOR TRANSMIT.
UNIT COMES IN A WATERPROOF PLASTIC CASE WITH
SPACE FOR BATT. OR POWER SUPPLY. TELESCOPING
ANTENNA 6 FT. HAS SPEC. LOADING COIL.
COMPLETE WITH TUBES, ANTENNA, 2 CRYSTALS
FT-243 (NO CHOICE) HEADSET W/CANVAS BAND
CARBON MICROPHONE, CANVAS COVER,
& MANUAL. SIZE 8x8x2 1/2; WT: 8 LBS. **\$9.95**

**NAVY WALKIE-TALKIE DIRECTION
FINDING EQUIPMENT MODEL DAV**
SAME AS "MAB" DESCRIBED ABOVE
ONLY HAS A DIRECTION FINDING
LOOP CIRCUIT FOR HOMING AND IS
IN A WATERPROOF PLYWOOD CASE
WITH WEB STRAPS FOR CARRING ON
BACK OR FRONT. ALSO COMPLETE
WITH TUBES, HEADSET WITH CANVAS
BAND, LIP MICROPHONE, TELESCOPING
ANTENNA & 2 CRYSTALS (NO CHOICE)
WITH MANUAL. SIZE: 14x10x8 1/2; 11LB
PRICE: UNUSED \$12.95

MARINE BAND

VIBRATOR POWER SUPPLY MAB & DAV
DESIGNED FOR USE WITH MAB & DAV
DESCRIBED ABOVE, OPERATES FROM 6 V
DC STORAGE BATTERY NT-6, THAT FITS
ON BOTTOM OF P.S. PACK, 6 V 4AMP.
CAN BE OPERATED FROM ANY 6 VDC 4 A.
SOURCE) SUPPLIES 1.5 VDC .3 A, -6 VDC
.02 A, 67.5 VDC .005 A. 135 VDC .02A.
ALSO USED WITH NAVY EQUIP. MU, MV,
MW, & MX. SIZE: 6x3x3 1/2; WT: 2 LBS. NEW \$6.95

N-T-6 PLASTIC STORAGE BATTERY
FOR ABOVE POWER SUPPLY CRF-20221A
SUPPLIES 6 VOLTS DC 4 AMP.
SIZE: 3x2x2 1/2; WT: 2 LBS. DRY
CHARGE BATTERY. **\$3.95**

30 MC - 50 MC
RCA F.M. RECEIVER 30 - 50 MC
SINGLE CHANNEL, CRYSTAL CON
TROL, WITH TUBES 9/6SH7, 1/
6SL7, 1/1635 & 2/6H6. AVAIL
ABLE WITH 6 OR 12 VOLT VIBR
ATOR PACK.
SIZE: 9x10x16; WT: 23 LBS.
RCA#CV18 OR EQUIVALENT.
PRICE: USED \$19.95

LINK RECEIVER 30-50 MC FM
TYPE 11-UF-ED-6. CRYSTAL
CONTROL SINGLE CHANNEL,
DUAL CONVERSION, SQUELCH
CIRCUIT WITH TUBES 5/7AG7
2/7A6, 1/7C7, 1/7F7, 1/7B5 &
1/7F7. VOLTAGES REQUIRED
FOR FILAMENTS 6 VOLTS,
HIGH VOLTAGE 250 VDC 60MA.
SIZE: 12x13x9; WT: 22 LBS. PRICE: USED \$27.50
POWER & CONTROL PLUG \$1.00 ANTENNA PLUG \$1.00

115V 60 CYC & 6 VDC
LINK TYPE 5-FRX TRANSMITTER
RECEIVER; F.M. 30-40 MC
115 VOLT 50-60 CYCLE OR
6 VOLT DC. SINGLE CHAN
NEL CRYSTAL CONTROL. SET
IS HOUSED IN METAL BOX
WITH SPEAKER, HANDSET, PILOT
LIGHT CONNECTOR AND SWITCH
FOR 6 OR 115 V. OPERATION.
TRANSMITTER OUTPUT IS 3 WATT USING TUBES 1/
7F7, 1/7H7, 2/7C5, CRYSTAL FREQ. IS MULTIPLIED
32 TIMES FOR OPERATING FREQ.
RECEIVER SENSITIVITY 1/2 MICROVOLT OR BETTER.
WITH TUBES 2/6AC7, 2/6K8, 1/6V6, 1/6SH7, 1/6SJ7,
2/6H6, 1/6SL7 & 1/6K6. FREQ. DEVIATION - 15KC
CASE SIZE 21x9x15; WT: SHGP. 80 LBS.
RECEIVER CAN BE OPERATED WITHOUT TRANSMITTER
PRICE: USED AS DESCRIBED \$29.50

LINK RECEIVER 1905 152-172
MC F.M. DOUBLE CONVERSION,
SINGLE CHANNEL CRYSTAL CON
TROL, SQUELCH CIRCUIT, WITH
TUBES 2/7A6, 1/7F7, 7/7AG7,
1/7B5, 2/6AK5. LESS CRYSTALS
SIZE: 8x10x12 1/2; WT: 30 LBS.
PRICE: WITH 6 VOLT POWER SUPPLY \$34.95
" " " " " " " " \$39.50

LINK TRANSMITTER 1906 152-172 MC FM LESS TUBES
DYNAMOTOR, RELAYS CRYSTALS, USED 6.95

R-114/VRC-4 RECEIVER AM CRYSTAL
CONTROL ON FOUR CHANNELS IN THE
1.7 TO 8.7 MC BAND, ONE TUNEABLE
BAND OF 190 TO 510 KC. IF FREQ.
525 KC. FOR PHONE AND CW USE.
WITH TUBES 4/6SK7, 1/6K8, 2/6SQ7 & 1/6K6. VOLTAGE
REQUIRED 6 V. FOR FIL. AND 220 VDC 80 MA.
SIZE: 15x11x14 1/2; WT: 80 LBS. RE-NEW \$29.95

CONTROL RECEIVER
R-127-RADIO CONTROL CONVER
TING RECEIVER 152-174 MC
F.M. 2 CHANNEL OUTPUT, BATT-
ERY OPERATION, REQUIRED VOL
TAGES 67 1/2, 45, 30, 1 1/2, 1 1/2 & 10 1/2
WITH TUBES 2/959, 2/1T4, 2/3S
4, 1/1S5 & 1/958. I.F. 8.25 MC
CHASSIS AS PHOTO. W/SCHEMATIC
SIZE: 12x.x8; WT: 12 LBS. RE-NEW \$9.95
CONNECTOR PLUG TO FIT UNIT..... 1.50

RECEIVER
R-74/CRW-2 RECEIVER A.M
SUPERREGENERATIVE TYPE FOR
REMOTE CONTROL USE IN THE
53-88 MC BAND. WHEN THE RF
TRANSMITTING CARRIER IS MOD
ULATED BY 475 OR 3000 CYCLE
TONE. IT ACTUATES THE RELAY
IN THE RECEIVER WHICH CAN
BE USED TO CONTROL EQUIP.
SINGLE PRESELECTED FREQ. MUST BE USED.
WITH TUBES 1/6SG7, 1/6J5, 3/6SL7 AND 1/6SN7. AND
DYNAMOTOR 24 VDC INPUT, OUTPUT 250 VDC 60 MA.
SIZE: 6x8x10; WT: 15 LBS. PRICE: USED \$6.95

**NAVY TCS
TRANSMITTER**
AM, 1.5 TO 12 MC IN 3
BANDS, 40 WATTS CW, 20
WATTS PHONE, VARIABLE
MASTER OSCILLATOR AND
4 CRYSTAL CONTROL PRE
SET CHANNELS OVER THE
ENTIRE FREQ. RANGE.
WITH 3/12A6 TUBES IN
THE OSC. AND BUFFER-
DOUBLER, 4/1625'S MOD-
ULATOR AND POWER AMPL
IFIER STAGES. ILLUMIN
ATED DIAL WITH VERNI-
ER AND SPIN TUNING, 2 1/2
INCH METERS FOR READ-
ING VOLTAGES & R.F.
ALL TUNING AND OPER-
ATING CONTROLS ARE ON
THE FRONT PANEL. VOLT
AGES REQUIRED 12 VDC
& 400-440 VDC 200 MA.
SIZE: 11 1/2x11 1/2x13 1/2; 41LB
USED \$34.50
USED CHECKED
FOR OPERATION \$44.50



**NAVY TCS
RECEIVER**
AM, 1.5 TO 12 MC IN 3
BANDS, CRYSTAL CONTROL
ON FOUR PRESET CHANNEL
OR VARIABLE FREQUENCY
OVER THE ENTIRE RANGE.
AUDIO OUTPUT 1.5 WATTS
INTO A 500 OHM LOAD.
WITH TUBES 12SK7 RF AM
PLIFIER, 12SA7 CONVERT-
ER, 2/12SK7 IF AMPLIFIR
12SC7 DETECTOR/BFO,
12A6 OSC. & 12A6 AUDIO
AMP. IF FREQ. 456.
ILLUMINATED DIAL WITH
VERNIER & SPIN TUNING.
AUDIO GAIN, AVC & BFO
CONTROLS. VOLTAGES REQ
UIRED 12 VDC & APPROX.
220 VDC @ 100 MA.
CW PITCH AND OSCILLAT-
OR SELECTOR CONTROLS.
SIZE 11 1/2x11 1/2x13 1/2; 37LB.
USED \$44.95
USED CHECKED FOR
OPERATION 54.95

TCS POWER SUPPLIES
115 V 60 CYCLE (NOT SURPLUS)
COMBINATION UNIT FOR RECEI-
VER, TRANSMITTER & CONTROL Bx
7x8x13 1/2; 50 LBS. WIRED \$50.00
TRANSMITTER ONLY; 5x6x9 1/2; 15 LB. " 35.00
RECEIVER ONLY WITH SPEAKER
10x10x6; 15 LB. " 20.00

TCS REMOTE CONTROL UNIT TYPE
23270 FOR REC. TRANS. AND
AMPLIFIER WITH HEAVY DUTY 5"
PM SPEAKER, MIC & PHONE JACKS,
VOL. CONTROL & SWITCHES.
3x5 1/2x7 1/2; 7 LBS. RE-NEW \$9.95

RUBBER SHOCK MOUNTS ONLY EACH \$.50
MOUNTING BASE ONLY \$1.50 WITH 4 MOUNTS \$2.95
NOISE LIMITER CONVERSION KIT W/6H6TUBE 2.00

TCS CABLES RECEIVER TO POWER SUPPLY \$2.75
" " TRANSMITTER TO " " 2.75
PLUGS FOR CONTROL BOX & " " (2) 3.00

TCS ANTENNA LOADING COIL #47205; USED TO MATCH
THE OUTPUT OF THE REC/TRANS. TO A WHIP
ANTENNA TO OBTAIN THE MAXIMUM PERFORMANCE.
OR BY USE OF THE 6 POSITION TAP SWITCH IT
CAN BE USED TO MATCH VARIOUS LENGTHS OF
STRAIGHT WIRE ANTENNA SYSTEMS.
SIZE: 6x9x6 1/2; WT: 7 LBS. PRICE: USED \$6.95

TCS PARTS
MOST PARTS AVAILABLE, ADVISE US OF YOUR NEEDS.

TCS DUAL DYNAMOTOR POWER SUPPLY
INPUT 12 VDC 14.5 AMP.
OUTPUT 440 VDC 200 MA.
FOR TRANS. 225 VDC 100
MA. FOR REC., FILTERED
INPUT & OUTPUT WITH
START RELAY & CONNECTORS FOR CONNECTING REC.
TRANS. & CONTROL BOX. RE-NEW
SIZE: 12x7x7 1/2; WT: 35 LBS. PRICE: \$14.95

D-401 DYNAMOTOR ONLY FOR TRANS. INPUT 12 VDC
9.9 AMP, OUTPUT 440 VDC 200 MA. RE-NEW \$6.95
D-402 DYNAMOTOR ONLY FOR REC. INPUT 12 VDC
3.8 AMP. OUTPUT 220 VDC 100 MA. RE-NEW \$4.95

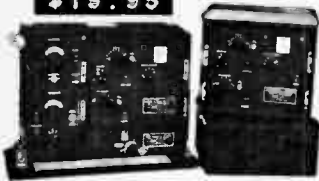
STEPPING SWITCHES

WESTERN UNION AUTOMATIC NUMBERS
CONSISTS OF 3 ROWS OF LIGHTS
NUMBERED 0-9, 3 STEPPING SWITCHES
6 DECK 11 POSITION, ONE 10 DECK
24 POSITION STEPPING SWITCH, ONE
RELAY 4PDT & 4PST, OPERATES 40-
48 VDC, MOUNTED ON CHASSIS 4 1/2
7 1/2 x 13 1/2; WT: 12 LBS. #9701.1A
PRICE: USED \$19.95

STOCK#	POS.	DECK	VDC	PRICE:
7709181P2	25	10	24	\$9.95
7709181P6	25	9	24	8.95
7709181P1	26	9	24	9.50
H77256	26	5	24	5.95
PW5011	26	5	12	5.95
A326427	12	10	24	5.95
A353421	12	6	24	3.95
A315174	21	2	12	3.95
A215701	27	6	24	5.95
B215238	27	10	24	9.95
917722	24	8	30	5.95
A262476	12	8	24	4.95

BC-223 TRANSMITTER

\$19.95



BC 223
TRANSMITTER
25 WATT
2000 TO 5200 KC
BY USE OF 3
PLUG IN TUNING
UNITS, CRYSTAL
CONTROL AND
VARIABLE OSCIL
LATOR, FOUR
PRESELECTED
CHANNELS, USES

FT-171 CRYSTAL HOLDERS WITH TUBES 1/801 OSCIL
LATOR, 1/801 POWER AMPLIFIER, 2/46 MODULATORS,
1/45 AUDIO AMPLIFIER, 2 1/2" METERS, 0-3 R.F. &
0-300 VDC MA. VOLTAGE REQUIRED 12 OR 24 VDC
& 500 VDC @ 150-200 MA.
SIZE: 18x13x7; WT: WITH 3 TUNING UNITS 100 LBS
PRICE: w/TUBES AND 3 TUNING UNITS WITH CASES
FOR 2 TUNING UNITS.. New \$19.95

- TU-17 TUNING UNIT 2000-3000 Kc. \$3.95
- TU-18 " " 3000-4500 " 2.95
- TU-25 " " 4500-5200 " 2.95
- CS-56 CASE FOR HOUSING TUNING UNIT 1.00
- FT-173 SHOCKMOUNTING 1.95
- POWER PLUG CONNECTOR F/TURNS OR POWER 1.25
- PE-135/PE-55 DYNAMOTOR 12/24 VOLT, USED 10.95
- AC POWER SUPPLY
- KIT OF PARTS \$25.00 WIRED \$29.95

COMCO MODEL 278 TRANSMITTER-RECEIVER

RECEIVER-TRANSMITTER
FOR 6/12/24 VOLT OPERAT
ION. POWER OUTPUT 2-3
WATTS. UNIT IS CRYSTAL
CONTROLLED (CRYSTALS
NOT INCLUDED). COMPLETE
WITH TUBES: 2/26, 5686,
5/6EH6, 12AX7, 2/6AQ5,
6AT6, 3/6BJ6, 6BE6,
2/6AK5, 6AK6. UNIT COMPLETE WITH TUBES,
SPEAKER, AND CONTROL BOX.
SIZE: 12 1/2 x 11 x 5 1/2. WT: 35 LBS.
Used \$39.95



DIVERSITY RECEIVER

DIVERSITY RECEIVING EQUIPMENT
PROVIDES A MEANS FOR COMBINING
THE OUTPUT OF THREE
RECEIVERS TO PRODUCE A SINGLE
KEYED AUDIO OUTPUT SIGNAL,
FREE FROM NOISE AND OTHER UN-
DESIRE INTERFERENCE. IT IS
SUITABLE FOR USE ONLY IN CW
& MCW SIGNALS AND NOT VOICE.
THE BAND PASS FILTER IS FOR 600 TO 1200 CYC.
AND THE OUTPUT OF EACH RECEIVER IS INDICATED
ON THE METERS WHICH ARE 500 MICROAMP. THE
AUDIO FREQ. CONTROL CAN BE ADJUSTED FOR THE
PROPER BAND PASS. INPUT AND OUTPUT IMPEDANCE
IS 600 OHMS. EQUIPMENT OPERATES FROM 115/230
VOLT 50/60 CYC. AND CAN BE RACK MOUNTED.
w/TUBES 1/VR-150, 1/6F8, 3/6A6, 2/6SJ7, 1/77,
1/1V, 1/80. SIZE: 21x19x14; WT: 125 LBS.
PRICE: NEW WITH MANUAL \$19.95

AMPLIFIER, FILTER, POWER SUPPLY.
PRINTED CIRCUIT WITH TUBES 2/5840, 1/
5678 & 1/6112, SILVER PLATED SHIELDS
RESISTORS, CONDENSERS ETC. SIZE: 5x3x3
3; 2LBS. #1280-779-1385
\$1.50

CALORIMETER



CALORIMETER D-7604681G1
PORTABLE UNIT DESIGNED TO
MEASURE THE RF POWER OF X
BAND RADAR. TWO SYSTEMS
ARE EMPLOYED, CLOSED CYCLE
FLUID FLOW AND ELECTRICAL
THE FLUID FLOW IS CIRCUL-
BY AN INTERNAL PUMP WHERE
THE RF IS CONVERTED TO HEAT ENERGY, THE OUTPUT
IS THEN INDICATED ON THE 4" WATT METER. THE
RANGE SELECTOR IS FOR LOW RF 0-100 & HIGH RF
100-400 WATTS. OPERATING VOLTAGE 115 V. 50 -
420 CYCLE. SIZE: 20x15x13; WT: 75 LB. USED
(FULL SPECIFICATIONS SENT ON REQUEST) \$50.00

BC-1333 MARKER BEACON RECEIVER
75MC. USED TO RECEIVE SIGNALS FROM
ABOVE TRANSMITTER. WHEN SIGNAL IS
RECEIVED IT OPERATES A RELAY IN
THE RECEIVER WHICH IN TURN CAN BE
USED TO OPERATE SIGNALS, LIGHTS,
MOTORS, TURN ON EQUIPMENT ETC.
VOLTAGE REQUIRED 24VDC. COMPLETE
WITH TUBES 1/12SM7, 1/6SH7, 1/6SL7
SIZE: 3x5 1/2 x 5 1/2. WT. 3LBS. PRICE: USED \$2.95

AIRPEED INDICATOR

ID-1688/APA-44 AIRSPEED
INDICATOR. CONTAINS A
KOLLSMAN TRUE AIRSPEED
METER AND AN INDICATING
DEVICE WITH A RANGE OF
84 TO 434 KNOTS. BY OPERATION OF THE TEST
SWITCH THE AIRSPEED SERVO MAY BE MADE TO RUN IN
DIRECTION OF INCREASING AIRSPEED, IN DIRECTION
OF TRUE AIRSPEED, OR TO HOLD THE PRESENT SETTING
FLEXIBLE TUBE CONNECTED TO A TEMPERATURE COMPEN-
SATING THERMOMETER. JOHN OSTER MOTOR # AV 240
28 VDC. TUBES 1/6AK5W. WESTERN ELECTRIC RELAY
D171584. SIZE 15x7x5 1/2. WT. 19 LBS.
USED \$5.95 RE-NEW \$8.95

RT 122/APW-11 REC.-TRANS.

RT-122/APW-11 RECEIVER TRANS-
MITTER, THIS UNIT CONSISTS OF
A TUNABLE RECEIVER CAVITY, A
CRYSTAL DETECTOR, A VIDEO AMP
LIFIER, DECODING CIRCUITS, A
TRANSMITTER AND CIRCUITS FOR OB-
TAINING AUDIO FREQUENCY TONES FROM
THE PULSE POSITION MODULATED SIGNALS OF THE
AN/MSC-1. THE TRANSMITTER CONTAINS CIRCUITS
FOR ENCODING THE REPLY BY VARYING THE SPACING
BETWEEN THE TWO REPLY PULSES. THE RECEIVER-
TRANSMITTER RECEIVES INPUT PULSES TRANSMITTED
AT A PULSE REPETITION FREQUENCY OF 410 CYCLES
PER SECOND AND A PRESET CARRIER FREQUENCY
RANGING BETWEEN 2680 AND 2920 MC. THE REPLY
PULSES ARE AUTOMATICALLY TRANSMITTED AT A PRE-
SET CARRIER FREQUENCY RANGING BETWEEN 2700 AND
2950 MC. TUBES: 11/12AT7; 2/2D21; 6AS6; 6AL5
2C40. SIZE: 13x5 1/2 x 6. WT. 19 LBS.
PRICE: USED WITH TUBES... \$14.95
USED LESS TUBES... 5.95

C-400/APW-11 SELECTOR UNIT FOR
RT-122 REC.-TRANS. CONTAINS
6 RELAYS 24 VDC SPST NORM OPEN
15 9 PIN SOCKETS, 1 OCTAL, 6
FILTERS, 1 DPDT SW. RESISTORE
CONDENSERS ETC. 5x6x12; 8 LBS
PRICE: USED LESS TUBES \$2.95

SERVO AMPLIFIER

SERVO AMPLIFIER #358661 IN SEALED
BLACK BOX CONTAINING SIX (6)
TUBES 2/6AL5, 2/6AQ5, 1/6096, 6101,
RELAY DPDT, OUTPUT TRANS. COND.
RESISTORS ETC.
SIZE: 5x3x4; WT: 4 LBS. USED \$1.95

AMPLIFIER

WEBSTER ELECTRIC AMPLIFIER
SERVO TYPE OPERATES FROM
115 VOLT 60 CYCLES, WITH TUBE
3/6SN7, 1/6H6, 1/6SN7 & 1/5T4,
POWER SUPPLY OUTPUT 250 VDC @
80 MA (UNFILTERED) 5 VAC @ 3 A
6.3 VAC @ 3 A., 6.3 VAC @ 4 AMP. ALSO INTER-
STAGE TRANSFORMERS, RESISTORS, CONDENSERS,
CONTROLS ETC. CHASSIS SIZE 14x6x1 1/2; WT: 19 LB
PRICE: USED \$4.95

TRANSISTOR BOARDS

THE TRANSISTOR BOARDS LISTED BELOW ARE APPROX.
4 1/2 x 5 1/2 AND CONTAIN THE PARTS LISTED. \$1.25
PRICE: EACH,

44485-506-11
3/#6111 G.E. TUBES; 2/2N338 SWITCHING
AND HIGH FREQUENCY TRANS.; 21/2 WATT
RES.; 3/1 WATT RES.; 6/ GLASS DIODES;
CAPACITORS: 3/.1 MFD @ 100 VDC; 2/.001
MFD @ 200 VDC; 3/1.5 MFD.-150 VDC TAN ALUM
ALUM CAP.

44085-401-31
2/2N498 4W. SILICON MESA PNP TRANS.
1/2N335 .15W SMALL SIGNAL TRANS. 6/
1N540 DIODE 2.5A-400PIV; 4/ 1/2 WATT
RES.; 3/ 1/2 WATT 1/2 RES.; CAPACITOR:
1/5MFD-150 VDC TANTALUM; 1/7 MFD
100VDC TANTALUM; 1/2MFD-100VDC TAN-
ALUM; 1/.1MFD-1000 VDC; 1/.0033MFD
100VDC; 3/.1MFD-100VDC; 1/1000OHM
BOURNS TRIMPOT.

44085-401-11
2/2N498 SILICON MESA PNP-4W; 3/2N335
.15 W SMALL SIGNAL TRANS.; 6/1N540
DIODES; 1/2K BOURNS TRIMPOT; 4/ 1/2 WATT
RES.; 1/ 1/2 WATT 1/2 RES.; 1/.1MFD-200
VDC CAPACITOR.

44490-506-11
1/#6021 TUBE; 4/1N251 SILICON SIG-
NAL DIODE 5MA 1V.; 1/1N643 SILICON
DIODE 10MA-200V.; 1/10K BOURN TRIMPO
1/1/2 WATT RES.; 2/2 WATT RES.; 1/1/2 RES
CAPACITOR: .35MFD-150VDC TANTALUM
1.5MFD-150VDC TANTALUM; .0047MFD
-200 VDC; .022MFD-200 VDC; 3/.01-
200 VDC; .01-400 VDC; 1/ TRANSFORMER

PLUG-IN CIRCUIT BOARDS
K-2405 GROUP MODULATOR WITH
CRYSTAL G4CSW, 3 TRANSISTORS,
4 DIODES, 5 CAP. 25 RES. 4 MIN
TRANS. ETC. \$1.95

K-2402 CHAN 6-E WITH COILS
172 KC, 372 KC, 4 TRANSISTORS, 3 DIODES, 11 CAP.
35 RES. 5 MINI TRANS. 2 FILTERS ETC. \$1.00

K-2442-1 REPEATER 5 TRANSISTORS, 3 DIODES, 30
RES. 6 CAP. 2 MINI TRANS. 8 TANT CAP ETC. \$1

K-2411 3.7/3.9 SUPPLY 6 TRANSISTORS, 8 MINI TANT
CAP. 27 RES. 5 CAP. 2 MINI POTS & TRANS. \$1.25

K-2419 E & M SIGNAL UNIT WITH 8 DIODES, 2 TRA-
NSISTORS, 19 RES. 14 CAP. 2 ELEC. CAP ETC \$1.

K-2409 GROUP DE-MODULATOR WITH 1 CRYSTAL, 5
TRANSISTORS, 4 DIODES, 26 RES. 4 MINI TANT CAP
5 CAP. 3 MINI TRANS, FILTER ETC. \$1.50
[SIZE: 9x4 1/2 x 1 1/2; WT: 2 LBS. ALL USED

C-1 CONTROL BALLISTICS BOX;
FOR BOMBING NAVIGATIONAL COMPU-
TER PT#654573; HAS 4 DIALS WITH
CONTROLS CONNECTED BY GEARS TO
AUTOSYN RESOLVERS SPERRY #6624-
28 SIZE 1 1/2 x 1 1/2 5 EA. #662426 1 1/2
1 1/2 2 EA. #5663478 3x2 1/2 2 EACH.
ROTARY BAND SWITCH 4 DECK 10 POS.
SIZE 9x12x8; WT: 20 LBS. \$7.95

NAVIGATIONAL AIR DATA COMPUTER
SERVO AMPLIFIERS #SA 118H
P.S#107861, 1 TEST ADAPTER,
POSITIONERS FOR JUMP ANGLE,
TRUE AIR SPEED, DYNAMIC PRES-
SURE, AIR DENSITY, ANGLE OF
ATTACK & MACH.
SIZE: 9x5x17; WT: 40 LBS. USED \$18.95

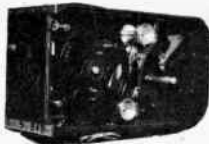
ROTARY INDUCTOR & DIAL
32.7 UH, 43 TURNS 1 1/2" DIA
X 2 1/2 LG. COIL, OVERALL
LENGTH 2 1/2 x 2 1/2 x 7, P/O TCS
TRANSMITTER. (SHOULD BE
GOOD UP TO 100 WATTS)
WT: 2 LB. #TCS-1108
REMOVED \$9.95

VARIABLE CAPACITOR TO MATCH ABOVE ROTARY
COIL; 425 MMFD, 3 1/2 x 1 1/2 x 1 1/2 WITH SHAFT.
TCS-C116 REMOVED FROM UNITS \$2.95

ROTARY INDUCTOR COIL
FROM COMMAND TYPE
TRANSMITTER, COMPLETE
UNIT LESS TUBES, CRY-
STAL WITH DIAL, CAP-
ACITORS, 2 VARIABLES
ETC. SHPG. WT: 10 LBS
BC-457-458 OR EQUIV EL
ENT. USED \$4.95

MAGAZINE

MAGAZINE FOR RADARSCOPE IMAGE RECORDING CAMERA TYPE C-1A FOR THE 0-15 CAMERA SYSTEM. WITH 1-3/8 x 3 1/2" SPOOL.
 SIZE: 3 1/2 x 5 9/16; WT: 8 LBS.
 PRICE: USED \$9.95



MAGAZINE

MAGAZINE FOR RADARSCOPE IMAGE OPTICAL TARGET RECORDING CAMERA TYPE C-7 WITH FILM SPOOL SIZE 1-3/8 x 2 1/2.
 SIZE: 3 1/2 x 6 x 5 1/2; WT: 5 LBS.
 PRICE: USED \$9.95



CONTROL FOR DURATION TRIPPING PULSE PHOTO CONTROL SYSTEM E-1 VOLTAGE REQUIRED 24 VDC. CONTAINS DELCO 24 VDC P.M. MOTOR 10,000RPM CONNECTED TO A GEAR BOX ALSO A 3 DIGIT ELECTRIC COUNTER WITH MANUAL RESET, 2 - 24VDC RELAYS, START, STOP AND SINGLE EXPOSURE PUSH BUTTON SWITCHES, PILOT LIT & FUSE HOLDER, W/ SCHEMATIC
 SIZE: 5 1/2 x 6 1/2 x 3 1/2; WT: 8 LBS.
 PRICE: USED \$8.95



CU-128F/U ANTENNA COUPLING UNIT; IMPEDANCE MATCHING UNIT DESIGNED TO PROVIDE EFFICIENT SIGNAL TRANSFER BETWEEN ANTENNA TRANSMISSION LINES OF DIFFERENT IMPEDANCES IN RECEIVING INSTALLATIONS. FREQUENCY RANGE 4 TO 20 MC. INPUT IMPEDANCE 200, 250 OR 700 OHMS, OUTPUT IMPEDANCE 70 OHMS. UNIT IS HOUSED IN A WATERPROOF METAL BOX WITH MOUNTING FACILITIES AND MANUAL.
 SIZE: 8 x 4 1/2 x 7 1/2; WT: SHPG. 15 LBS. RE-NEW \$3.95



AMPLIFIER



AM-142/AIC AMPLIFIER USED IN LARGE AIRCRAFT AS AN AUDIO LINE BOOSTER AND MIXER FOR THE INTER COMMUNICATION SYSTEM. INPUT IMPEDANCE 500 OHM OUTPUT 600 OHM. OPERATES FROM 24 VOLTS D.C. USES ONE 26A7 TUBE. WITH TUBE & SCHEMATIC.
 SIZE: 5 x 5 x 2; WT: 3 LBS. PRICE: USED \$2.95

SERVO AMPLIFIERS



SERVO AMPLIFIERS FROM MD-2 ELECTRONIC CONTROL STABILIZATION BOMBING NAVIGATIONAL COMPUTER. PART NO. DESIG. PART NO. DESIG.
 658657 I H 656662 P H
 672168 MAH 673097 MDH
 658659 K H EACH UNIT
 SIZE: 3 1/2 x 3 x 3; WT: 3 LBS. U \$2.95
 658658 J H 658661 M H
 658660 L H EACH UNIT
 SIZE: 5 x 3 x 3 1/2; WT: 4 LBS. U \$3.95
 SEALED UNITS. CONNECTOR PLUGS EACH USED \$1

AMPLIFIER

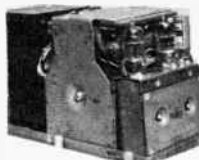
AM-26/AIC AMPLIFIER; USED IN AIRCRAFT FOR AUDIO INTERCOMMUNICATION. CARBON MICROPHONE INPUT, 600 OHM AND 2000 OHM OUTPUT IMPEDANCE. WITH 2/12J5 & 2/12A6 TUBES. VOLTAGE REQUIRED 24 VDC FOR FILAMENTS AND 250 VDC @ 60 MA. MOUNTING BOR DM-32 DYNAMOTOR 24 VDC. (PAGE 9)
 SIZE: 9 1/2 x 5 1/2 x 5 1/2; WT: 8 LBS. PRICE: USED \$4.95



KY-65/ARA-26 AUTOMATIC KEYS; MOTOR OPERATED 24 VDC, S.O.S CODE WHEEL AND EXTRA WHEEL FOR MAKING OWN CODE, ADJUSTABLE 5-30 SEC. THREE 24 VDC RELAYS, GEAR TRAIN RES. ETC.
 SIZE: 6 1/2 x 3 1/2 x 4; WT: 4 LBS. \$6.95
 CONNECTOR PLUGS, 3 REQ. EACH \$1.50

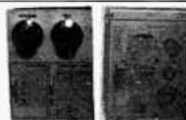


COMPUTER SYSTEM



AMPLIFIER, ELECTRONIC CONTROL TYPE D-1; CHOPPER SAMPLING TYPE WITH TOROIDAL TRANSFORMERS WITH FEED-BACK LOOPS, 6 VOLT 400 CYCLE CHOPPER, 1/5814 & 1/5751 TUBES, SELENIUM RECTIFIER SUPPLY, RESISTORS, CONDENSERS ETC. W/ SCHEMATIC
 VOLTAGES REQ. 255VDC, -35VDC, 6.3VAC, 115/400CY
 SIZE: 4x6x9; WT: 12 LB. PRICE: USED \$4.95

COMPUTER-POWER SUPPLY LA-15 CONTAINS 115 V 400 CYCLE P.S. OUTPUT -35VDC & 210 VDC, 3 DECK 25 POS. WAFER SW. 3 POLE 25 POS. WAFER SW. 1 " 12 POS. WAFER SW. 33



PRECISION RESISTORS WIRED TO THE SWITCHES ALSO COND. RECTIFIERS, CONTROL ETC. W/ SCHEMATIC
 SIZE: 6x4x4; WT: 3 LBS. USED \$3.95



AMPLIFIER, ELECTRONIC CONTROL TYPE E-1; TORRID COIL TRANSFORMERS, K2701 CHOPPER ERROR SAMPLING & FEED-BACK COMMAND SIGNAL. 1/5751 & 1/5678 TUBE, TRANS. ETC.
 VOLTAGE REQ. 255 VDC, -22V, 6.3 VAC & 115V400C
 SIZE: 4x6x1 1/2; WT: 2LB. W/ SCHEMATIC U \$1.95

MOUNTING BASE FOR AMPLIFIER ASSY. LA-18; USED WITH CAMERA CONTROL SYSTEM LA-17, HCLDS COMPUTER P.S. LA-15, CONTROL AMP. E-1 & D-1 DESCRIBED ABOVE CONTAINS 4 RELAYS 4PDT, SWITCHES, FILTER, RESISTORS ETC. ALSO MATTING PLUGS FOR ABOVE UNITS.
 SIZE: 13 1/2 x 5 x 2; WT: 8 LBS.
 \$3.50 BASE ONLY, WITH SCHEMATIC
 CONNECTOR PLUGS TO FIT BASE ONLY, EACH \$2.50
 CONNECTOR PLUGS TO FIT UNITS " " 1.00



T-233/URW-3 TRANSMITTER & MODULATOR 65.9 TO 93.8 MC AM WITH 4/815 & 10/12N7 TUBES. CRYSTAL CONTROL ONE CHANNEL. USED IN AIRCRAFT FOR REMOTE CONTROL OF DRONE RECEIVERS. OUTPUT APPROX 50 WATTS.
 VOLTAGE REQ. 400 VDC @ 400 MA. AND 24 VDC.
 SIZE: 8 1/2 x 16 1/2 x 16 1/2; WT: 32 LBS. USED \$24.95



SA-235/APA-57 CONTROL UNIT HAS A SMALL GYRO CONNECTED TO CONTACT ARM THAT MOVES ACROSS A RESISTANCE CONTACTS WHICH WILL GIVE FOUR VOLTAGE READINGS IN RIGHT OR LEFT POSITIONS. ALSO HAS 24 VDC SEALED RELAY 2PDTCLARE SK5235, AMP. THERMAL RELAY 26C8, 7 POS. & 3 POS. WAFER SWITCHES.
 SIZE: 10x5x5; WT: 4 LBS. UNUSED \$4.95

WAVEGUIDES



R.F. OSCILLATOR ASSEMBLY P/O R/T-39 APG-5 RADAR SET, 2500 TO 2600 MC. REQUIRE 2C40 & 2C43 & 1B27 TUBES. HAS SPECIAL COAX. FEED LINES FOR UG TYPE CONNECTORS. SILVER PLATED ASSY. NO TUBES OR TUBE CAPS.
 SIZE: 9x4x4; 5 LBS. #2C2783 \$1.95

WAVEGUIDE COUPLER ASSY-DUAL DIRECTIONAL. FLANGE SIZE 1-7/8x1-7/8 WAVEGUIDE 1/2x1-1/8, DUAL GUIDES 9 1/2" LG. WITH PRESSURIZING ASSY. 5 LB IBM STK #1280-779-5806 \$1.95



FIXED COAXIAL ATTENUATORS					
TYPE	ATT.	D.B. OHMS	FREQ. WATTS	POWER CONN. ECTORS	PRICE
CN-110/U	10	50	1-4 KMC	UG-45/46	\$1.95
CN-111/U	20	50	1-4 " "	" "	3.75
CN-168/U	3	50	1-4 " "	" "	1.95
CN-169/U	6	50	1-4 " "	" "	1.95
DT-76	R.F. BALOMETER	FOR ABOVE UNITS			4.95

DIGITAL DISPLAY



DIGITAL DISPLAY: EACH UNIT WILL SHOW NUMBERS 0 TO 9 ALSO \$ SIGN 3-3/16" HIGH ON 3 1/4 x 4 SCREEN THAT CAN BE SEEN FOR QUITE A DISTANCE. OPERATES FROM 6.3 VAC. CAN BE ADAPTED FOR BASKETBALL FOUL INDICATOR BY PLACING ONE OVER EACH SCOREBOARD AND HAVE A CONTROL PANEL CONSISTING OF 5 SWITCHES AND TRANSFORMER AT THE SCORER'S TABLE. (WIRING DIAGRAM FURNISHED ON REQUEST) CAN ALSO BE ADAPTED FOR USE AS A MOVING READOUT BOARD. SIZE: 3 1/2 x 5 1/2 x 1 1/2; WT: 7 LBS.
 PRICE: USED \$7.95 EACH 2 FOR \$15.00

SPECIAL TUBES



INFRA-RED IMAGE CONVERTER TUBE PERMITS SEEING IN THE DARK WITH LITTLE OR NO VISIBLE LIGHT. THIS IS ACCOMPLISHED BY MEANS OF INFRA RED RAYS WHICH ARE DIRECTED AT THE OBJECT OR AREA TO BE VIEWED. WITH ASSOCIATED ACCESSORIES THIS TUBE CAN BE UTILIZED TO DO THIS PLUS MANY OTHER EXPERIEMENTS CAN BE TRIED IN OTHER AREAS. (DETAILS OF SNOOPERSCOPE SUPPLIED WITH PURCHASE.) SIZE: 1 1/2 x 1 1/2; WT: 4 OZ.
 PRICE: \$1.95 EA. 3 FOR \$5.00

PHOTOTUBE: SIMILAR TO VISTRON R-71, 90 VOLTS. WITH LEADS, SIZE 1 1/2 x 2 1/2. \$1.50
 SIMILAR TO VISTRON R-50, 90 VOLTS. WITH LEADS, SIZE 5/8 x 1 1/2. \$1.00
 TYPE 923 4 PIN BASE \$2.25
 TYPE 930 OCTAL " \$2.25
 LIGHT SENSITIVE SWITCH 12 VOLT; AS USED IN MIRROR-MATIC REAR VIEW 35¢ EA. 3 FOR \$1.00
 GEIGER MULLER TUBE ID-85/2J1-20 \$5.95

SUPER PRO OSCILLATOR



MC-531 CRYSTAL OSCILLATOR KIT FOR BC-779 SUPER PRO. IS DESIGNED TO STABILIZE THE OPERATION OF THE RECEIVER UNDER CONDITION OF VARYING LINE VOLTAGE AND CHANGING AMBIENT TEMPERATURE BY MEANS OF A CRYSTAL OSCILLATOR WHICH PROVIDES FOR CRYSTAL CONTROLLED RECEPTION AT ANY ONE OF THREE SIGNAL FREQUENCIES IN THE RANGE 1.5-20 MC. A 6AC7 IS USED IN A PIERCE OSCILLATOR. VOLTAGES REQUIRED; 270VDC AND 6.3VAC. 1 1/2 x 4 1/2 IN PANEL WITH CRYSTAL PHASING CONTROL AND CRYSTAL SELECTOR SWITCH. LESS CRYSTALS, W/ TUBE, 6AC7. SIZE 7 x 7 x 3 1/2; WT: 6 LBS. PRICE: RE-NEW \$5.95

ARP RECEIVER

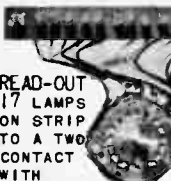


R-34/APR-2 RECEIVER 90-1000 MEGACYCLES, PROVIDES AUTOMATIC OR MANUAL SCANNING THROUGH THE FREQ. RANGE. ALL SIGNALS WITHIN THE RANGE CAN SIMULTANEOUSLY INDICATED VISUALLY ON THE DIAL AND GRAPHICALLY ON THE 1-3/8" SENSITIZED TAPE: TIME AT WHICH SIGNALS APPEAR IS ALSO RECORDED ON THE TAPE; DURING THE SWEEP CYC. WHICH MAY BE SET AT 1.5 OR 5 RPS. AUTOMATIC SWITCHING FOR LOW AND HIGH ANT. VOLTAGE REQ. 26 VDC & 80-120 V 400 TO 2600 CYC. WITH 18 TUBES, 5 ROLLS OF TAPE AND OPERATING INSTRUCTIONS.
 SIZE: 21x10 1/2 x 8; WT: 50 LBS. UNUSED \$99.50
 MT-171 SHOCKMOUNTING FOR ABOVE RECEIVER \$2.75
 CONNECTOR PLUG ONLY \$1.50 WITH CABLE ... \$2.75

U.H.F. REC-TRANS.

TRANSMITTER-RECEIVER W/S CDN NO. 29 "B" SET APPROX 230 TO 245 MC. WITH SELF CONTAINED 12/24 VDC POWER SUPPLY. TWO PRE-SET CHANNELS IN THE FREQ. RANGE. (IDEAL SET FOR LOCAL NETTING. WITH TUBES 4/6AG5 2/6AK6, 2/6CA & 3/6J6. SIZE: 4 1/2 x 8 x 11; WT: 18 LBS.
 PRICE: USED \$18.95






READ-OUT
17 LAMPS
ON STRIP
CONTACT
WITH
FOR 115 VOLT 60 CYCLE USE.
STRIP SIZE 1x7, SWITCH SIZE
2 1/2" DIA. WT: 6 OZ.
#LANS SW-249 RE-MOVED FROM
EQUIP. \$1.50 EA. 4 FOR \$5.00


ASSEMBLY
MOUNTED
CONNECTED
DECK 17
WAFFER SW
RESISTORS



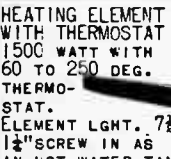
THUMB-IT
WHEEL WAFFER
SWITCHES
NUMBERED
1 TO 10
CAN BE USED
SINGLY OR
IN BANKS.
EACH SECT.
ON SIZE 2 1/2
x 2 1/2, PRICE EACH SECT. 75¢
BANK OF FIVE AS ILLUSTRATED
SIZE 2 1/2 x 2 1/2 x 2 1/2; 4 OZ.
#5930-539-6550 \$2.95




CIRCUIT BOARDS WITH MINIATURE PARTS AND TUBES, SEVEN DIFFERENT TYPES, PARTS TO MANY TO MENTION, MONEY BACK NOT SATISFIED. GE#773-G1
SIZE: 5 1/2 x 4 1/2 ALL SEVEN BOARD 1 1/2 LBS. FOR \$3.00




REGULATOR AMPLIFIER
PLUG-IN UNIT
CONTAINING FIVE TUBES 2/5703, 2/5744, 1/5783
RESISTOR, CONDENSERS, VOL. CONTROL ETC.
SIZE: 4 1/2 x 6 x 2 1/2
WT: 1 LB.
#600654 USED
PRICE: 75¢ EA. 2 FOR \$1.50



HEATING ELEMENT WITH THERMOSTAT
1500 WATT WITH
60 TO 250 DEG.
THERMOSTAT.
ELEMENT LGHT. 7 1/2
1 1/2" SCREW IN AS
IN HOT WATER TANKS IMMERSION
TYPE. WT: 3 LBS.
#1H-1500W 1500 WATT \$9.95
#1H-1000W 1000 " \$7.95



HEATING ELEMENTS
HOOKED AND CURVED AS
ILLUSTRATION.
THERMOLINK #2227
120 VOLT 1500 WATT 5 1/2"
LONG. \$1.00
THERMOLINK #2113
118 VOLT 1000 WATT 4"
LONG. \$.75
THERMOLINK #2286
120 VOLT 500 WATT 3"
LONG. \$.50
CHROMALOX S8X134; FLAT STRIP
TYPE 1 1/2" x 8", 115V. 150 WATT
PRICE: 75¢ EA.
FLAT STRIP HEATER 23 1/2" x 1 1/2"
115 VOLT 500 WATT.
#225015-24 \$1.50
CHROMALOX TUBULAR HG-10.50
115 VOLT 25 WATT 10" LG. X
3/4" DIA. 75¢ EA.
CHROMALOX #SCB STANDARD
LIGHT BULB SCREW TYPE BASE
115 VOLT 50 WATT 75¢ EA.
230 " 150 " \$1.00
CHROMALOX HSW-6 CIRCLE
TYPE 6" DIA. OUTSIDE 3 1/2"
INSIDE, 118 VOLT 500 WATT.
PRICE: \$1.50
ELECTRIC IRON ELEMENT, NO
SPECS. AVAILABLE, 2 1/2 x 5 1/2
WITH WIRING STRAPS, MICA
INSULATION. \$.50 EA.



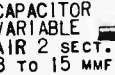
VARIABLE CAPACITOR
140 MMF 26
PLATES SCREW
DRIVER ADJ.
WITH LOCKING
NUT, 2 1/2" INCL. SHAFT X 1 X
1 1/2. CARDWELL #ZU-140-AS
3D9140V-1 \$1.50

VARIABLE AIR CAPACITOR
11 MMF TO 200 MMF, 500 VAC
0.0245 AIR GAP 27 PLATES
DOUBLE END SHAFT FOR COUPL-
ING 3 1/2" INCL. SHAFT X 1 1/2 X
1 1/2. HAMMERLUND #MC-200S
3D9200V \$1.95

VARIABLE AIR CAPACITOR
6 TO 20 MMF 3 PLATES 0.026
AIR GAP 2 1/2 x 1 1/2 x 1 1/2, SHAFT 1 1/2"
SLOTTED AND DOUBLE END.
HAMMERLUND #MC-20 F/BC654
3D9020V-9 \$.79

VARIABLE AIR CAPACITOR
2.8 TO 8.5 MMF 5 PLATES
P/O BC-640 TRANS. #A105262
3D9002VE8 \$.79

VARIABLE AIR CAPACITOR
DUAL 6 TO 142 MMF EA. SECT
37 PLATES PER SECT. 4 1/2" LG
INCL. SHAFT X 1 W X 1 1/2".
HAMMERLUND #HFD-140
#5910-643-9906 \$1.95




CAPACITOR VARIABLE AIR 2
SECT. 3 TO 15 MMF
PER SECT.
3000 VOLT PEAK, 9 PLATES
PER SECT. 0.070 AIR GAP.
SIZE: 1 1/2 x 1 1/2 x 3/4; SHAFT 1/2 X 1
CARDWELL ET-15AD
3D9015V-15 \$1.95

CAPACITOR VARIABLE AIR 2
SECT. 2.7 TO 75 MMF PER SECT.
0.020 AIR GAP 15 PLATES EA.
SECT. CROWELL EU-75AD
3D9075-12.1 \$1.95
SIZE: 1-3/8 x 1-3/8 x 3/4

CAPACITOR VARIABLE AIR 2
SECT. 2.7 TO 75 MMF EA. SEC
0.020 AIR GAP, 15 PLATES
SIZE 1-3/8 x 1-3/8 x 3/4, SHAFT
1/2 X 1. CARDWELL EU-75AD
3D9075-12.1 \$1.95

CAPACITOR VARIABLE AIR 2
SECT. 2.5 TO 35 MMF PER.
SECT. 11 PLATES EA.
SIZE 1-3/8 x 1 1/2 x 3/4; SHAFT
1/2 X 1. CARDWELL ER-35AD
#5910-649-2671 \$1.95




VARIABLE CAPACITOR
100 MMF 34
PLATES, SCREW
DRIVER SHAFT
ADJ. SIZE 2 1/2" INCL SHAFT X
1 X 1 1/2. #4460VC-100 59¢

CAPACITOR VARIABLE AIR
5.5 TO 100 MMF 0.015 AIR GAP
SCOR ADJ SHAFT. SIZE 2" INCL
SHAFT X 1 1/2 X 1 U/W BC-312/342
HAMMERLUND APC-100 27 PLT.
3D291 59¢

CAPACITOR VARIABLE AIR
2.5 TO 9 MMF 0.040 GAP 7
PLATES SCOR ADJ SHAFT. 1 1/2"
INCL SHAFT X 1 1/2 X 1 P/ORT-77
3D9009V-16 59¢

CAPACITOR VARIABLE AIR
3.5 TO 50 MMF 0.015 AIR GAP
SCOR SHAFT, 1 1/2" INCL SHAFT
X 1 1/2 X 1 P/O BC-659
3D9050V-30 59¢

CAPACITOR VARIABLE AIR
DUAL STATOR COMMON ROTOR
3-6 MMF EACH, 0.045 AIR GAP
3 PLATES PER SECT. INSULATED
ELECTRIFIED SHAFT X 1 X 1 1/2
SIZE 1 1/2 x 1 1/2 LESS BH/P/O
BC-779/794/1004 HAMMERLUND
#SA-179 3D9006V-17 79¢



JOHNSON VARIABLE CAPACITOR
DUAL 37-305 MMF SECTION,
7000 VOLTS PEAK, CONTINUOUS
ROTATION. SIZE: 1 1/2 x 5 1/2 x 5 1/2;
WT: 8 LBS. GEARED DRIVE;
JOHNSON #152-504 \$9.95

JOHNSON VARIABLE CAPACITOR
DUAL 470 MMF. 4500 VOLTS,
.125 SPACING, SIZE 1 1/2 x 5 1/2 x 5 1/2
PLUS DOUBLE END SHAFT.
JOHNSON #152-516-2, GOV'T
#3330-058100-254 \$9.95


TRANSMITTER VARIABLE CAP.
50-400 MMF. 7000 VOLT PEAK,
SIZE: 1 1/2 x 6 x 6 1/2; WT: 8 LBS.
#7765118-1 COND. REM. \$8.95



COMMAND RECEIVER VARIABLE CAPACITOR
3 TO 6 MC. 147 MMF
3 GANG W/TRIMMERS
& GEAR ASSY. #4601, 4x3x3
2 LBS. \$2.95

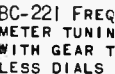


PA TUNING CAPACITOR
FOR COMMAND
TRANSMITTER W/
GEAR TRAIN &
DOUBLE END
SHAFT. 4x2x3
WT: 1 LB. # C-65/7321
STK. # 2C6397A/C8 NEW \$1.95



VARIABLE CAPACITORS
100 WATT
SIZE: 4 1/2 x 2 x 3
SHAFT 3/8 x 1/4
WT: 2 LBS. 31 PLATES 1/8 SPA
T-7660443-P1 19 TO 116 MMF
P-7761569-P4 23 TO 111 "
M-7463006-1 22 TO 118 "
PRICE: EACH \$1.95

T-7660443-P7 15 TO 81 MMF
7 PLATES, 1/8 SPACING, SIZE
3x2x2, SHAFT 1/2 x 1/2; 8oz. \$1.00



BC-221 FREQUENCY METER TUNING CAP.
WITH GEAR TRAIN
LESS DIALS 1.5 TO 160 MMF.
3x3 1/2 x 5, 2 LBS. \$4.75



VARIABLE CAPACITOR
SECTION
0-4C2MMF
A. SEC.
1 1/2 x 3 x 3; 2 LB
RE-EQUIP. #30K9402-3 \$3.95



PRESSURE SWITCH; 2 PSI,
115 VAC 10 AMPS. 28 VDC 2A.
DIAPHEX #555-113 \$2.95

PRESSURE SWITCH; 5 PSI,
28 VOLTS DC 2 AMP.
DIAPHEX #555-3429 \$2.95

PRESSURE SWITCH; 20 PSI
28 VOLTS DC 2 AMP.
DIAPHEX #555-2282 \$2.95

PRESSURE SWITCH; 80 PSI
28 VOLTS DC 2 AMP.
DIAPHEX #555-3430 \$2.95


PRESSURE SWITCH; 1-10 PSI
75 PROF PSI, 28VDC 1 AMP.
MELETRON #410E-10DBL-264A
\$2.95

PRESSURE SWITCH; 700-1000
PSI, 28 VDC 5 AMPS.
MELETRON #1514-15-10 \$3.95

MANY OTHER TYPES IN STOCK
BY OTHER MANUFACTURERS.
SEND MANUFACTURERS NO & SPE
MATCHING CONNECTOR PLUGS \$1




VARIABLE CAPACITOR
13.5-325
MMF, 500V
DC, 4.3 BRAS
PLATES
.0245 AIR
GAP. WITH
3 1/2" VERNIER DIAL CLEAR PLAS
TIC WITH MOUNTING W/LIGHT.
SIZE: MTG. 5x4x2 1/2; WT: 2 LBS.
3D932E1.1 P/O BC-1148
PRICE: \$3.95



VARIABLE CAPACITOR
14.5-352.7
EACH SECT.
3 SECTIONS
21 PLATES
EA. 0.023
AIR GAP
1-5/8" LG INC. SHAFT X 2 1/2 X
2 1/2. BENDIX #3801 ROC#318
3D9352E7V \$2.95




MK-18 GUN-SIGHT GYRO UNIT
CONTAINS 2
AUTOSYNS
THAT ARE
CONNECTED
BY A SPRING BELT, ON ONE
OF THE UNITS A 1 1/2" MIRROR
IS MOUNTED AND ON THE OTHER
IS A FREE PIVOTING 2 1/2" MIRR
OR.
SIZE: 3 1/2 x 3 1/2 x 5; 3 LBS. USED
LESS MIRRORS \$1



P4-173 COMPUTER LENS ASSEMBLY
PART OF THE P4
COMPUTER BOMBING
SYSTEM AS USED
IN THE B-29 BOM-
BER. CONTAINS
PERISCOPE LENS
SYSTEM AND A STR
AIGHT LENS ASSY
WITH CROSS HAIR
ADJUSTMENT AND
FILTER SYSTEM.
SIZE: 13x6x5 PLUS
BRACKET. WT: 8LB
PRICE: \$6.95



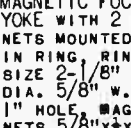
N-S OFFSET INDICATOR & GEAR TRAIN ASSEMBLY WITH DIAL SCALE
10-0-10 INSIDE
OUTSIDE 0-10, GEAR RATIO
COUPLED TO DIALS 10 TO 1
20,000 OHM MICROPT 1% ACC.
USED WITH #PA-44 EQUIPMENT.
ASSY #D-153223 USED \$1.95




C-1A AZIMUTH AND SIGHTING ANGLE
Two 3"
INDICATORS WITH 2 AUTOSYNS
AY-201S-2B THAT REQUIRE 26
VOLT 400 CYCLE FOR OPERAT.
PART OF #PA-44 EQUIPMENT.
SIZE: 6 1/2 x 4 1/2; WT: 4 LBS.
RE-NEW \$4.95



DAVEN ATTENUATOR
"T" NETWORK
500/500 OHM
20 STEPS, 1
DB PER STEP
WITH DIAL
AND KNOB.
SIZE: 2 1/2" DIA.
2" DEEP. WT: 1 LB. #T-324F
RF-MOVED FROM EQUIP.
PRICE: \$1.95

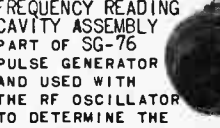


MAGNETIC FOCUSING YOKE
WITH 2 MAG
NETS MOUNTED
IN RING, RING
SIZE 2-1/8"
DIA. 5/8" W.
1" HOLE, MAG-
NETS 5/8" x 9/16
WT: 7 OZ. # MAGNET CIR-7
PRICE: 35¢ 3 FOR \$1.00




RF OSCILLATOR TUBE ASSEMBLY
PART OF SG-76
PULSE GENERATOR
2650-2950 MC
USES
2C40
TUBE
2C40
NOT
INC-
LUDED

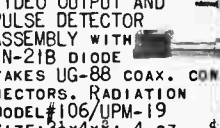
3" DIAL FOR
VARIABLE TUNING, RF OUTPUT
TAKE UG-88 COAX. CONNECTORS
RADIATION MODEL 104/UPM-19
SIZE: 10" LG X 4" DIA. LG. END
WT: 4 LBS. LESS 2C40 \$3.95



FREQUENCY READING CAVITY ASSEMBLY
PART OF SG-76
PULSE GENERATOR
AND USED WITH
THE RF OSCILLATOR
TO DETERMINE THE
FREQ. MORE ACCURATELY AS
INDICATED ON THE METER.
FREQ. 2650 TO 2950, 3" VER-
NIER DIAL, TAKES UG-88 COAX
RADIATION MODEL #103/UPM-15
SIZE: 4x3 1/2; 1 1/2 LB. \$2.50



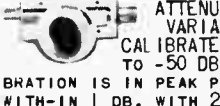
THERMISTOR BEAD ASSEMBLY
USED FOR
MEASURING
AVERAGE RF POWER PART
OF SG-76, THERMISTORS D168
391 & 168392, COAX. CONN.
REQ. UG-21. RADIATION MODEL
#120/UPM19; SIZE: 6 1/2 x 2 1/2 x 1
WT: 6 OZ. \$1.95



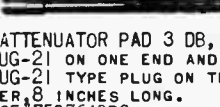
VIDEO OUTPUT AND PULSE DETECTOR ASSEMBLY
WITH
1N-21B DIODE
TAKES UG-88 COAX. CONN
NECTORS. RADIATION
MODEL #106/UPM-19
SIZE: 3 1/2 x 4 1/2; 4 OZ. \$1.50



COAXIAL SWITCH MANUAL USE
2 POSIT-
ION, TAKES
UG-21 COAX
IAL CONNECTORS.
THOMPSON MODEL CON2CA/UPM15
SIZE: 2 1/2 x 3 LESS SHAFT & KNOB
\$2.95




ATTENUATOR VARIABLE IS
CALIBRATED -30
TO -50 DBM CALLI
BRATION IS IN PEAK POWER
WITH-IN 1 DB. WITH 2" DIAL
TAKES 2 UG-21 COAX. CONN.
RADIATION MODEL #105/UPM19
SIZE: 3 1/2 x 1 1/2; WT: 4 OZ.
\$2.50



ATTENUATOR PAD 3 DB, TAKES
UG-21 ON ONE END AND HAS A
UG-21 TYPE PLUG ON THE OTH
ER. 8 INCHES LONG.
GE#7507549P8 \$1.95

ATTENUATOR 50 OHMS 10.60B
STODDART #90520-11, TAKES
UG-21 TYPE CONN. EACH END.
LENGTH 3". \$1.95
ADAPTER UG-188/U (WHICH IS
A UG-21 TYPE PLUG) TO A
STANDARD UG-88 CONN. CABLE
3" LONG. CN-210/U \$1.25



AUDIO OSCILLATOR NETWORKS
FOR USE WITH 12AU7 TUBE.
Z1 73.2 CPS Z5 183.0 CPS
Z2 91.5 " Z6 244.0 "
Z3 122. " Z7 410.0 "
Z4 144.5 "

EACH CAN SIZE 1-5/8 x 1-3/8 x
3/4; WT: 2 OZ.
RADIATION UPM-Z (THEN NO.)
PRICE: EACH \$1 ALL 7 \$5.00

SYNCHRO SELSYNS



GENERATOR (ANGLE TRANSMISSION) ROTOR 2 PHASE 24 VOLT, STATOR 2 PHASE 20.6 VOLT 400 CYCLE. PART #80C-15-DS-10; SIZE 1 1/2x2 1/2 NOT AVAILABLE
 GENERATOR INDUCTION, 24 VOLT 400 CYCLE EASTERN AIR DEVICES #J2GM07-40 \$2.95
 TRANSMISSION GENERATOR MFG. ARMA, TYPE 400X1, DWG #93054 \$2.95
 AUTOSYN RESOLVERS
 AY221S-3-B 400 CYCLE, ROTOR 2 PHASE 26 VOLT, STATOR 2 PHASE, 11.8 V. BENDIX 1.95
 AY-1230 BENDIX SAME SPECS AS ABOVE 1.95
 SERVO CONTROL MOTOR MFG. BY OSTER, 115 V. 400 CYCLE NO LOAD SPEED 5000 RPM. TORQUE 1.45 OZ. IN. \$2.95
 RESOLVER MFG. BY CLIFTON PART #BSC-15DS ROTOR 2 PHASE 0.5-16 VOLT, STATOR 0.5-16 VOLT 400 CYCLE. \$2.95
 RESOLVER TRANSMISSION GENERATOR, JOHN OSTER TYPE 15-4042-06, DWG. #C45 \$2.95
 RESOLVER MFG. BY ARMA, TYPE 03X1-400 DWG. #93001. \$2.95
 RESOLVER MFG. BY OSTER, TYPE 15-4042-04 \$2.95
 AUTOSYN DIFFERENTIAL
 AY-165-A3 400 CYC, 3 PHASE 11.8-3 PHASE 1-1 RATIO. BENDIX 1.95
 AY-232S-38 BENDIX SAME SPEC. AS ABOVE 1.95
 AY-231S-38-B " " " " 1.95



TS-452 SIGNAL GENERATOR 5-100mc BY THE USE OF PLUG IN COILS, PROVIDES A CONSTANT SINE-WAVE RADIO FREQ. VOLTAGE 60-100 TIMES PER SECOND.

THE TRAVELING DETECTOR PICKS UP THE SIGNAL TO BE TESTED WHICH IS AMPLIFIED AND APPLIED TO THE PLATES OF THE CR TUBE. THE MOST FREQUENTLY USED CONTROLS FOR THE SIGNAL GENERATOR INCLUDING THE OSCILLATOR, WAVEMETER, VERTICLE AMPLIFIER AND NINE STEP ATTENUATOR ARE ON THE FRONT PANEL, ADDITIONAL CONTROLS ARE PROVIDED THROUGH THE DOOR ON THE TOP OF THE CASE. SIZE: 19x9 1/2x16; WT: 60 LBS.

PRICE: USED SERVICEABLE \$75.00



BLOWER FOR TRANSMITTER COOLING: 115 VOLT 50/60 CYCLE 125 CFM, 1/32 HP. 1750 RPM MOTOR, CAPACITOR START, 6 1/2" LG. x 5 1/2" WD. x 6 1/2" H. INTAKE 3" OUTLET 2.20" PEDESTAL MOUNTING 1 1/4" x 4", SHPG. WT: 10 LB W/CAP. STK# B-201 RE-MOVED \$6.95



SELSYN SYNCHRO TRANSFORMER #78386 TYPE XV, 115 VOLT 60 CYCLE, SIZE 5 1/2 x 3 1/2, SHAFT 1 1/2 x 1/2; 5 LBS. UNUSED \$5.95

SYNCHRONOUS TRANSMITTER TYPE VIII 50 VOLT 50 CYCLE 1 PHASE, SIZE 5 1/2 x 3 1/2, SHAFT 1 1/2 x 1/2 WITH ADAPTER. 6 LBS. PART #557841 PRICE: NEW \$8.95

2JIHI SELSYN DIFFERENTIAL GENERATOR NORMALLY OPERATES FROM 57.5/57.5 VOLTS 400 CYCLE BUT WILL OPERATE FROM 36 VOLT 60 CYCLE AS SHOWN IN WIRING DIAGRAM ON PAGE 31. SIZE: 2 1/2 x 4 1/2; WT: 8 OZ. PRICE WITH CONNECTOR CAPS..... \$3.95



1-196 SIGNAL GENERATOR 160 TO 220 MC USED TO CHECK LF & HF BANDS OF IFF SETS. DRY BATTERY OPERATION USES ONE 957 ACORN TUBE VARIABLE FREQ. & TONE CONTROL, PILOT LIGHT, ON/OFF SW. ETC. HOUSED IN WOOD CASE WITH CANVAS COVER. SIZE: 8 1/2 x 8 1/2 x 14; WT: 10 LBS. REQUIRES 1.5 & 135 VDC. NEW \$2.95



OS-29/UPM-4A PRECISION SYNCHROSCOPE EMPLOYING A THREE INCH CATHODE RAY TUBE. THE SWEEP OF THE CRT CAN BE TRIGGER EXTERNALLY OR INTERNALLY AND CAN BE DELAYED WITH EITHER TRIGGER. THE SWEEP DURATION AND, WHEN INTERNALLY TRIGGERED, THE SWEEP FREQ. CAN BE CONTROLLED. THE INPUT SENSITIVITY OF THE VIDEO AMPLIFIER CAN BE VARIED IN SIX STEPS FROM 0.2-20 VOLTS PER INCH OF VERTICAL DEFLECTION. THE UNIT CONTAINS HIGH VOLTAGE POWER SUPPLY, BUT REQUIRES THE FOLLOWING VOLTAGES FOR OPERATION 300V, -27V, 425, 105V. NORMALLY SUPPLIED BY POWER SUPPLY PP-802/UPM-4A, NOT AVAILABLE. SIZE: 22x19x10. WT: 50 LBS. RENEW- \$34.95.....USED- \$22.95

RECEIVER TORQUE SYNCHRO 23TR4 115/90 VAC 400 CYCLE, TWO UNITS MOUNTED ON FRAME WITH NUMBERED DIALS 0-100 & 0-1000, SYNCHRO SIZE 4x2x2 PRICE USED \$15.00



23TR4 RECEIVER 115/90 V. 400 CYC. USED \$7.95
 23TX4 TRANSMIT 115 V. 400 " " 7.95
 23CT4 CON. TRANS. 115 V. 400 " " 7.95
 23RS4A RESOLVER 90/90 V. 400 " " 7.95

23CX6 TRANSMIT 115/90 V. 60 CYC. NEW 10.00
 23CX6 " " " " USED 7.00
 23CT6 TRANSFOR 90/1V PER DEG 60CY " 7.00

DAYSTROM TRANSICOIL CONTROL MOTOR 115 VOLT 60 CYCLE, 1 PHASE, 2 PHASE 200 VOLT CT. 3200 RPM. SIZE 2 1/2 x 2, SHAFT SIZE 1/16 x 1/2 WITH GEAR. (REMOVED FROM NEW EQUIP.) PRICE: \$5.00



TS-239 OSCILLOSCOPE GENERAL PURPOSE INSTRUMENT FOR TESTING RADAR & COMMUNICATION EQUIPMENT. DISPLAYS A LUMINOUS PLOT OF TIME-VARYING VOLTAGE PULSE OR WAVE ON A 3" CR TUBE. SINE WAVE OF 10 CYC TO 5 MC ARE OBSERVABLE. INPUT IMP. 300M OHMS W/30 MMFD CAP. SIGNAL INPUT SCOPE ONLY .1 TO 100 VOLTS PEAK. OUTPUT TRIGGER PULSE + 25 V. 4 MICROSEC. DUR FREQ. RANGE 1 CYC TO 3 MC. PULSE DISPLAY .2 TO 5M MICROSEC. INTERNAL SQUARE WAVE 150 CYC PER-SEC. ADJ. .1 TO 1 VOLT. ALSO 75 VOLT SQ. WAVE. SENSITIVITY .1 VOLT PRODUCES STAND. DEFLECTION W/MAX. AMPLIFICATION. CONTROLS & CONN. ON FRONT PANEL. SIX STEP MULTIPLIER EXTENDS RANGE 300 TIMES. SWEEP ADJ. .1 TO 50M MICROSEC. POSITIVE OR NEGATIVE POLARITY. WITH USE OF PROBE INPUT IMP. MAY BE INCREASED TEN TIMES WITH LOSS OF SENS. AND INCREASE IN VOLTSGE TO 450. WITH TUBES 3/6AK5, 2/6AG7, 2/6CA, 8/7F8 1/6AL5, 2/6SN7, 1/VR-105, 2/6X5, 1/5R4 & 1/3JPI SIZE: 21 1/2 x 16 1/2 x 13 1/2; WT: 75 LBS. PRICE: USED CHECKED \$69.50 NOT CHECKED \$55.00

AZIMUTH INDICATOR

1D-260/GRD AZIMUTH INDICATOR CONTAINS THE PHASEMETER WHICH PROVIDES THE BEARING INDICATION, AS WELL AS A NEON LAMP, 2" C.R. TUBE & SPEAKER. THE NEON LAMP & CR TUBE SHOW WHETHER OR NOT A DF SIGNAL IS PRESENT IN THE SYSTEM. HAS 2B1 OSCILLOSCOPE SYSTEM WITH CONTROLS ON THE FRONT PANEL, 5" AZIMUTH PHASEMETER SELSYN TYPE INDICATOR & 3" SPEAKER. WITH TUBE 1/6AL5, 2/12AU7, 2/6AG5, 1/12AX7, 2/6AU6, 1/20D1, 2/5Y3 & 1/0A2. OPERATES FROM 115 V. 50/60 CYC RACK MTG. 19x10 1/2x12; WT: 50 LBS. USED \$29.50



RADAR FREQUENCY AMP.

R-9 RADAR FREQUENCY AMP USED TO INCREASE OUTPUT OF TEST EQUIPMENT IN 2750-2950 MC RANGE. POWER APPROX. 6 WATTS FROM 2C40 TUBE. CONTROLS FOR POWER AND FREQUENCY. COMPLETE WITH TUBES 2C40; 6AN5; 5687; 12AT7; 2X2; 2/0A2; 0B2; 2/5Y3; 56P6; SIZE: 10 1/2 x 17 x 20. WT. 43 LBS. PRICE: \$19.95



DESICCATOR PUMP TEST FIXTURE: CONSISTS OF AIR FLO-SCOPE INDICATOR WITH 4" MAGNETIC METER 0-8 INCHES OF WATER AND PRESSURE CONTROL VALVE ALSO TWO 3" SQUARE METERS 0-50 VDC 500 OHMS PER VOL AND 0-5 AMP METER, RHEOSTAT, SW, PILOT LIGHT ETC. UNIT IS HOUSED IN METAL CARRYING CASE 21x13x6; WT: 25 LBS. PRICE: USED \$14.95



SYNCHRO GENERATOR SPERRY PT#R5663642 MFG. BY BENDIX FOR IBM. SIMILAR TO BENDIX OPERATES FROM 26 VOLTS 400 CYCLE SINGLE PHASE WHEN USED IN CONJUNCTION WITH BENDIX #AY-201 SYNCHRO CONTROL TRANSFORMERS IT WILL OPERATE UP TO 20 UNITS. WILL ALSO OPERATE FROM 6 VOLT 60 CYC. WITH A SLIGHT LOSS. SIZE: 2 1/2 x 2 1/2; SHAFT 1/16 x 1/2; WT: 12 OZ. PRICE: NEW \$2.95 2 FOR \$5.00

AY-201 SYNCHRO CONTROL TRANSFORMER MFG. BY BENDIX, KETAY, CLIFTON ETC. ROTOR 1 PHASE 26 V 400 CYC. STATOR 3 PHASE 11.8 V. SIZE: 1 1/2 x 1 1/2, SHAFT 1/16; WT: 3 OZ. PRICE: RE-MOVED FROM EQUIP. \$1.95 EA.

SELSYN TRANSFORMER DIEHL #812732 115 VOLT 400 CYCLE. CAN BE OPERATED ON 60 CYCLE WITH CAPACITOR. RE-MOVED FROM EQUIPMENT. SIZE: 2 1/2 x 2 1/2 x 2 1/2; 3 LB. \$2.25



BC-788C RECEIVER-TRANSMITTER ALTIMETER, PULSE TYPE, TRANSMITTER OUTPUT 50 WATTS. FIXED FREQUENCY 440 MC. WITH TUBES 3/6J6, 1/6L6, 9/6AG5 AND 1/5Y3G OPERATES FROM 115 VOLT 400 TO 2400 CYCLE. SIZE: 15 1/2 x 9 x 8; WT: 13 LBS. PRICE: USED \$18.95

INDICATOR ML-117 INDICATOR, WIND DIRECTION AND SPEED. UNLIMITED WIND SPEED RANGE INDICATED BY ONE LIGHT, 0-360 DEG. WIND DIRECTION RANGE INDICATED BY 8 LIGHTS, FLASHING LIGHTS OR BUZZER INDICATORS, INTERRUPTER CURRENT ACTUATED, 110 V 60CY. OR 6.8 VDC. (THIS IS ONLY THE INDICATOR, REQUIRES OTHER PARTS FOR OPERATION) FREIZ ITEM #18-1475. SIZE: 9 1/2 x 4; WT: 24 LBS. PRICE: RE-NEW \$12.95



GENERAL ELECTRIC SELSYN CONTROL TRANSFORMER MODEL NO. 2JI5N1 57.5-57.5 VOLTS 400 CYCLE. SIZE: 2x2x2; 1 LB. NEW \$4.95

MD-58/APS-3 MODULATOR FOR SUPPLYING POWER TO RT-10/APS-3 TRANSMITTER CONVERTER IN PULSED FORM TWO MICROSECOND 350 CYC. ONE MICRO-SEC. 700 CYC. WHICH IS RECEIVED FROM THE RECEIVER-AMPLIFIER OPERATES FROM 115 V. 400 CYCLE. W/TUBES 3/3B24, 1/3B26, 1/829B & 1/715. SIZE: 17 1/2 x 15 1/2 x 17 1/2; WT: 95 LB. USED \$50. PP-12/APS-3 RECEIVER-AMPLIFIER USED \$39.50
 C-20/APS-3 AZIMUTH CALIBRATOR " 5.95
 MX-10/APS-3 DUMMY INDICATOR " 3.95

MD-16/TPS-3 MODULATOR, RADAR TYPE P-3E EMISSION, RESONANT CHARGING SYSTEM THRU TYPE E LINE THAT IS DISCHARGED THROUGH SPARK GAP & PULSE TRANSFORMER, 500 OHM INPUT, 8 KV OUTPUT, 200 PULSES PER SEC. 1.2 SEC. DURATION. WITH TUBES 2/705 & 1/1B32-532. OPERATING VOLTAGE 115 V. 400 CYC. SIZE: 12 1/2 x 14 1/2 x 11; 125 LB. PRICE: RE-NEW \$16.95

1-82A 5" INDICATOR 1-81A 3" INDICATOR



1-82A INDICATOR 5" ILLUSTRATED TO LEFT ABOVE 0-360 DEGREE SCALE CONTAINS A MATCHING AUTOSYN MOTOR TO BE USED WITH THE LP-21LM LOOP. OPERATES FROM 26 V 400 CYC. (60 CYC SEE BELOW)
 1-81A INDICATOR 3" ILLUSTRATED TO RIGHT ABOVE 0-36 DEGREE SCALE CONTAINS A MATCHING AUTOSYN THAT WAS USED WITH THE LP-21LM LOOP. OPERATES FROM 26V 400 CYC. (60 CYC. SEE BELOW)
 1-82A INDICATOR 5" USED \$7.95
 1-81A INDICATOR 3" USED \$3.95 RENEW \$4.95
 PL-118 CONNECTOR PLUG FOR INDICATORS 2.50 EA

Clearance

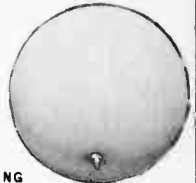
EQUIPMENT OFFERED AS USED SERVICEABLE, NOT CHECKED FOR OPERATION. IF NOT SATISFIED EQUIPMENT CAN BE RETURNED FIVE DAYS AFTER YOU RECEIVE IT PROVIDING YOU PAY FREIGHT CHARGES BOTH WAYS. BUY NOW AS QUANTITIES ARE LIMITED

RESCUE TRANS ACCESSORIES



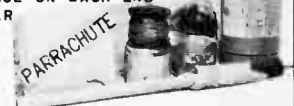
M-357/CRT-3 BOX KITE, COLLAPSIBLE TWO PIECE, MEASURES 17x17x36 INCHES WHEN ASSEMBLED AND IS USED TO RAISE THE ANTENNA OF THE CRT-3 RESCUE TRANSMITTER WHEN A WIND IS BLOWING IN VELOCITIES OF FROM 7 TO 40 MILES PER HOUR. THE CLOTH OF THE KITE IS MOISTURE-REPELLENT AND THE FRAME IS ALUMINUM. INSTRUCTIONS FOR ASSEMBLY AND USE ARE PRINTED ON THE CLOTH. COLLAPSED SIZE 19x4; WT: 2 LBS. PRICE: \$4.95

M-278 BALLOON; USED TO RAISE THE ANTENNA OF THE CRT-3 RESCUE TRANSMITTER WHEN LACK OF WIND DOES NOT PERMIT THE USE OF THE M-357 KITE. THE BALLOON IS MADE OF NEOPRENE AND SUPPLIED IN A CAN WITH A KEY FOR OPENING. WHEN INFLATED BY MEANS OF THE HYDROGEN GENERATOR AND INFLATING TUBE, DESCRIBED BELOW, THE DIAMETER WILL BE OVER 4 FEET. HAS 2 CORD LOOPS FOR ATTACHING ANTENNA AND RUBBER CORK STOPPER. SHPG. WT: 2 LBS. PRICE: \$4.95



M-278 BALLOON WITH M-315 HYDROGEN GENERATOR AND INFLATING TUBE.....\$10.00

M-315 HYDROGEN GENERATOR; USED TO INFLATE THE M-278 BALLOON. COMES IN A STEEL CYLINDER FILLED WITH LITHIUM HYDRIDE; OPERATED BY IMMERSION IN WATER; KEY AND TONGUE ON EACH END FOR OPENING CYLINDER. REQUIRES INFLATING TUBE FOR USE WITH BALLOON. SHPG. WT: 8 LBS.



M-315 HYDROGEN GENERATOR ONLY..... \$6.95
M-315 " " INFLATING TUBE 1.50
W-147/CRT-3 ANTENNA WIRE; CADMIUM-COPPER ALLOY 16 STRANDS X .040 MAX. DIA. 65 LB. TEST 306 FT. LG. WOUND ON SPOOL 2 1/2 x 2 1/2. SHPG. WT: 1 LB \$2.95

M-308 SIGNAL LAMP LIGHT ASSEMBLY; 24 VOLT LAMP IN BAKELITE BASE WITH CLEAR POLYSTYRENE SHIELD WITH WEB STRAPS FOR STRAPPING TO HEAD. SIZE 3x2 1/2 x 9 1/2" CORD FOR PLUGGING INTO TRANS. 4 oz. \$1.50
M-390 PARACHUTE; YELLOW NYLON 12 FT. DIAMETER, 40 LB. CAPACITY, 16 NYLON SHROUDS 11 FT. LG. USED TO DROP RESCUE TRANSMITTER AND ACCESSORIES. UNUSED, NOT IN DROP PACK. SHPG. WT: 2 \$9.95

T-74/CRT-3 TRANSMITTER WITH ACCESSORIES \$75

TRANSISTOR CASES

TRANSISTOR CASES; ALUMINUM USED GOOD CONDITION. MEASUREMENTS ARE FOR INSIDE. MX-1309 CASE 1 1/2" Hx 1 1/2" Lx 2 1/2" D, BOTTOM SECTION COVER 1 1/2" DEEP, 1 1/2" COMPARTMENT ACROSS BOTH SECT FITTED WITH FOAM FOR SPEC. USE. HINGED COVER, WITH HASPS. WT: 18 LBS. \$5.00



UPM-19 CASE 1 OF 2; BOTTOM SECTION 1 1/2" Hx 1 1/2" Lx 7 1/2" W, COVER 2" DEEP, WITH HASP FASTENERS. WT: 11 LB. \$5.00



TS-730 CASE; HINGED COVER WITH HASPS. 12 1/2" Hx 13 1/2" Wx 9 1/2" D, WIDTH LESS 4 GUIDES 10 1/2" DEEP. WT: 10 LB. \$5.00

TS-10C CASE; 10 1/2" Hx 15 1/2" Lx 6 1/2" D, COVER 1 1/2" DEEP. HINGED COVER AND HASPS. WT: 13 LB. \$5.00



UPM-19 CASE 2 OF 2; BOTTOM SECTION 6 1/2" Hx 13 1/2" Lx 9" W, COVER 3" DEEP WITH HINGED COMPARTMENT 1 1/2" DEEP, REMOVABLE TRAY THAT FITS INTO LOWER SECT. 1" AND TOP 2" BOTTOM SECTION HAS 3 COMPARTMENTS 6" - 4 1/2" - 2 1/2" SPOT WELED ALSO SOME BRACKETS. HASP FASTENERS. 11 LB. \$5.00



BOONTON SIGNAL GENERATOR AM/FM No. 202B 54-216Mc \$195.00



BOONTON UNIVERTER No. 207A, FREQ. EXTENDER FOR 202B SIG. GEN. 207A \$75.00 207E (RACK) \$85.00



DUMONT 404 PULSE GENERATOR \$60.00



PANALYZER SB-8B T-200 INPUT CENTER FREQ. 500Kc 5" CRT w/PS-8B \$100.00



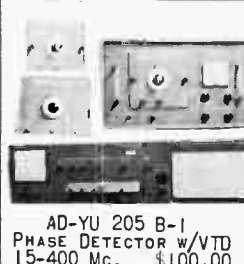
TEL-INSTRUMENT 1212 RF WOBBULATOR 13 CHANN \$50.00



AIRBORNE INST. TYPE 74 NOISE FIGURE INDICATOR \$75.00



TEKTRONIC 180S2 TIME MARK GENERATOR \$75.00



AD-YU 205 B-1 PHASE DETECTOR w/VTD 15-400 Mc. \$100.00



TELONIC S-3 UHF SWEEP GENERATOR CAL. 14-82 \$35.00



DUMONT OSCILLOSCOPES 303A 5" CR \$75.00 303H 5" CR \$85.00 274A 5" CR \$95.00



BERKLEY 5558 EPUT METER 6 DIGIT \$125.00



SPERRY MICROLINE 31A2 PEAK POWER METER 0-300 MILLIWATTS \$60

HEWLETT PACKARD	
524A COUNTER FREQ. .01HZ-10MFZ 6DIGIT	\$275
415A SQUARE LAW DETECTOR	65
325 NOISE DISTORTION ANALYZER	75
300A HARMONIC WAVE ANALYZER 30CYC-16Kc	200
200B AUDIO OSCILLATOR 20 TO 20,000 CYC	50
400 VACUUM TUBE VOLTMETER	40
500 FREQUENCY METER 10 TO 50,000 CYC	75
212A PULSE GENERATOR	100
205AG AUDIO OSCILLATOR 20 CYC-20,000CYC	100
BOONTON RADIO CORP	
110A Q-X CHECKER 100 KC-25 MC	50
62 VACUUM TUBE VOLTMETER	45
275 I.F. CONVERTER	35
78FM SIGNAL GENERATOR	40
FERRIS	
22A SIGNAL GENERATOR 85KC TO 23 MC	75
20A1 MICROVOLT	65
KAY-ELECTRIC	
I.F. MARKA-SWEEP 9 CRYSTAL MARKERS	75
RF-P MARKA-SWEEP TV CHAN. SEL. 2-13	85
KILO MARKA-KILO-SWEEP .1-2MC	85
MARKA-SONA-SWEEP	65
150B MARKA-SWEEP VIDEO	40
MEGA-NODE NOISE DIODE	40
860D VARI-SWEEP (LESS PLUG-IN)	40
TEL-INSTRUMENT	
1900 MULTI-FREQUENCY GENERATOR 10 RANGES	50
2120 RF PICTURE GENERATOR	60
2000 BAR & DOT GENERATOR	60
1500A WOBBULATOR	65
1902A AM-FM GENERATOR	75
1200A WOBBULATOR	60
1000 TELE-ADAPTER	50
MEASUREMENTS CORP.	
84TV SIGNAL GENERATOR 300 TO 1000 MC	\$175
84TVR " " 400 TO 1000 MC	185
444 " " 300 TO 1000 MC	150
GENERAL RADIO	
720A FREQ. METER 100-200MC HARMONICS 10-3000MC. BATTERY OPERATED	75
SYLVANIA	
132 OSCILLOSCOPE 7" TUBE	75
400 " " 7" TUBE	100
POLYTECHNIC RESEARCH	
904 NOISE GENERATOR VHF-UHF	95
CAMADIAN RESEARCH	
RM-6A BREAKDOWN TESTER 900V TO 2500V	75

30V T TEST SETS

AN/UPM-11 RADAR RANGE CALIBRATOR 8600-9600 MC WITH WAVEGUIDE FITTINGS, HORN & CABLE.	\$50.00
AN/UPM-35 ANALOG COMPUTER TEST SET FOR USE WITH SERVO MECHANISMS AND RESOLVER DRIVERS.	\$40.00
AN/UPM-25 RADAR TEST SET, 8500-9600 MC. USED TO MEAS. TRANS. FREQ. POWER OUTPUT & SPECTRUM, REC. SENSITIVITY, MAGNETRON PULL ETC. SIMILAR TO TS-147 SIGNAL GENERATOR.	\$40.00
AN/UPM-40 RADAR RANGE CALIBRATOR 23.5 TO 24.5 KILO MC. WITH WAVEGUIDE ADAPTERS & HORN.	\$65.00
AN/UPM-41 TEST SET USED FOR EVALUATING I.F. & VIDEO SEC. OF INDICATING SYSTEMS. CONTAINS SIGNAL GENERATOR 27 TO 33 MC. AND 3" SCOPE, METERS ETC.	\$60.00
AN/URM-11 AN/ARC-33 TEST SET	\$20.00
AN/GPM-17 TRANSPONDER TEST SET	\$75.00

VOLTAGE REGULATED POWER SUPPLIES	
LAMBDA VOLTAGE REGULATED POWER SUPPLIES 105-125 V 60 CYC, RACK MOUNTINGS	
C-28 200-325 VDC @ 100 MA 6.3VAC 3A	\$25
C-281M 125-325 VDC @ 200 MA AND 6.3 VAC @ 10 A. WITH METERS.	\$50
C-480M 0-200 VDC @ 400 MA. AND 6.3 VAC @ 15 A. WITH METERS.	\$60
C-1580M 0-200 VDC 1.5A AND 6.3 VAC @ 15 A. WITH METERS.	\$75
SORENSEN 560 BB 150/500/600 VDC @ 500 MA. 6.3 VAC @ 10 A. WITH 4x4 1/2 IN METERS. CABINET TYPE.	\$60



FREQUENCY STANDARD TEST EQUIPMENT LABORATORY MODEL 501 BY HALLICRAFTERS. FREQUENCIES 4 MC 100 MC AND 1000 MC, WITH OR WITHOUT MODULATION. POWER REQUIRED 115 VOLT 60 CYCLE. SIZE: 10x7x9 1/2; 20 LBS. USED \$30.00

INSULATORS



STAND-OFF
 STK#TM-1016SO; DIA. 1 1/2", 4" LONG, 1/2-20 THREAD, 3/8" MTG. 2 LB. PRICE: \$3.50
 STK.#3G1300-8002; DIA. 1" 5" LONG, 1/2-20 THREAD, 3/8" DEEP. 1LB. \$2.50

STK.#3G1300-128; 1 1/2" DIA. 8" LONG, 1/2-20 THREAD, 3/8" DP. 2 1/2" IN. MTG. 1 1/2 LB. \$3.50

STK.#INS.1014; FEED-THRU 4" LONG 1/2" HOLE, 7/8" DIA. WITH NECK. PRICE: 25¢

STK.#3G2001-6 FEED-THRU 6" IN. 1/2" HOLE, 9/16 DIA. NO NECK. PRICE: 35¢

STK.#INS.#1015; FEED-THRU BRASS BOLT 6 1/2" LONG X 1/2" W/NUTS, SPLIT INSULATOR FOR 1/2" THICK MOUNTING WITH CORK WASHERS, OVERALL LGTH 3 1/2 X 2, WT: 2LB. \$2.50

STK.#3G584 IN-84 FEED-THRU CONICAL SHAPE, 5" LG. O/A; 2 CONICAL SHAPED 1-1/8 LG. X 1 1/2 DIA. AT BOTTOM, 1" AT TOP, 1/4" DIA. ROD WITH 1/4 20 THREAD WITH NUTS, WASHERS 1/2 LB. 25¢ EA. 5 FOR \$1.00

SIMILAR TO ABOVE CONICAL BOTTOM INS. 3/4 X 3/4 X 1 1/2; TOP 1/2 X 1-1/8 X 1 1/2; 3/16 BOLT 3" LG W/NUTS & WASHERS. 1/4 LB. 35¢ EA. 3 FOR \$1.00
 STK#IN-1017



3G138-20.11 RIDGED CONICAL 2" BASE, 1/2" TOP, 1 1/2" LONG, PUSH SPRING TYPE BINDING POST ON TOP, WHICH CAN BE REMOVED AND BOLT INSERTED. 1/2 LB. 35¢ 3 FOR \$1.00

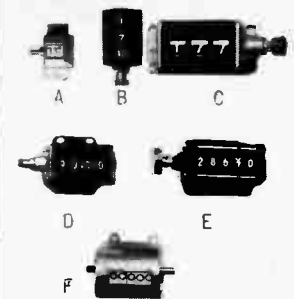
STK.#IN-1018 CONE INSULATOR SIZE 1x2x5/8, 10/32 SCREWS EA. END. 1/2 LB. 35¢ EA. 3 FOR \$1.00

STK.#CBJ61023 ENTERING INSULATOR, CERAMIC 2 1/2 X 2, CADMIUM PLATED MOUNTING RING 3 1/2" WITH 6 MOUNTING HOLES, GASKET, 4" 1/4-20 THREAD BRASS BOLT WITH NUTS. 1/2 LB 39¢ EACH 3 FOR \$1.00

SPREADER INSULATORS
 #IN-1020; 4" LG X 3/4 DIA HOLE CENTERS. 25¢ EA. 5/\$1
 #IN-1021; 12" LG X 3/4, 10" HOLE CENT. 45¢ 3 FOR \$1.25

ART-13 TRANSMITTER ANTENNA INSULATOR PANEL; 1 EA. 3 1/2 X 4 OBLONG WITH 2 ISOATED SPRING TYPE BINDING POST, ONE/ 1/2 X 1 CONICAL INS. WITH PUSH POST AND ONE 1/2 X 3/4 INS. W/ PUSH TYPE BINDING POST. 1LB COMPLETE ASSY. \$1.00

COUNTERS



A. 3 DIGIT COUNTER. 1/8" SHAFT. EACH NUMERAL 1/8 IN. SIZE: 1 1/2 X 1 1/2. STK#CBSH334 \$.75

B. 3 DIGIT COUNTER. FOR VERTICAL MOUNTING. 3/8 IN. GEAR ON SHAFT. EACH NUMERAL 1/8". 1 1/2 X 1 1/2 X 1-1/8 STK#CBSH173 \$.79

C. 3 DIGIT COUNTER WITH BEVELED GEAR 2 1/2 X 1 1/2 X 1 1/2. NUMERALS 1 1/2 X 1 1/2 IN. STK#CBSH177 \$1.00

D. 3 DIGIT COUNTER W/DIGITS 10THS, ONES, TENS. 100 THS DIGIT REMAINS 0. 1/8 IN. NUMERALS. 2 X 1 1/2 X 1 STK#CBSH9030 \$.75

G. THREE DIGIT COUNTER WITH BEVEL GEAR OPEN FRAME BACK, LEFT DRIVE. SIZE 1 X 3/4 X 3/4, MTG. MASK 1 X 1. STK#G32163 \$.50

F. 5 DIGIT COUNTER W/3/16 IN SHAFT EXTENDING 1/2 AT EACH END. 99999-0 DESCENDING ONLY. 1/8" NUMERALS. 1 1/2 X 1 1/2 X 1 STK#CBSH00000 \$1.00

THREE DIGIT COUNTER, GEAR ON END OF 1 IN. SHAFT. 3 X 1 1/2 X 1 1/2; 1LB. #RIX-D \$1.00

THREE DIGIT COUNTER OPEN TYPE, BEVEL GEAR STK.#773 \$.50

TELEPHONE JACK STRIPS

#4C4426-14 TWENTY JACKS 3 CONDUCTOR CONTACT ARRANGEMENT J-2. KEL #261 \$2.80

#4C4322-25 TEN JACKS 3 CONDUCTOR CONTACT ARRANGEMENT J-2-1A. \$1.95

#4C4426.11 TWENTY JACKS 3 CONDUCTOR, CONTACT ARRANGEMENT J-2, NUMBERED 0-19 \$2.50

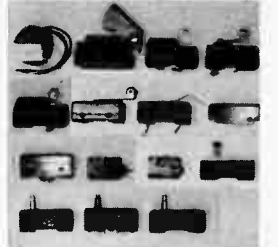
#4C4436.92-2 TWENTY JACKS 3 CONDUCTOR, CONTACT ARRANGEMENT J2, NUMBERED 20-39. KELLOG #369 \$2.50

#4C4692.2 TEN JACKS 3 CONDUCTOR CONTACT ARRANGEMENT J2 WECO #92 TYPE139 \$1.95



3G1830-67076 ENTERING INSULATOR, BOWL 4-3/8" HIGH, 6-15/16 AT BASE, 1 1/2" ROD 3/8 BRASS WITH NUTS, MOUNTING RING 3 SEC. 8-3/4" DIA. W/ 6- HALF INCH NUTS & BOLTS 2 1/2" LG., BELL CAP 6" DIA. 10 LBS. \$5 EA. 3 FOR \$12.00

MICRO SWITCHES



SPDT; IEA2, ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. PIN PLUNGER. 1 1/2" DIA. 1 3/8" HIGH. .30

DPST; 40B10094, NORMALLY OPEN. LARGE, SPRING-LOADED LEVER PLUNGER. 2 1/2" X 2 1/2" X 1 1/2". .60

SPST; WHET349A-1, NORMALLY OPEN. LEVER PLUNGER. 2" X 1 1/2" X 5/8". .30

SPDT Micro V3-54, 1 NO. OP OTHER NO. CL. 1/2 A. 125VDC 10A. 125AC. 5/8 X 3/8 X 1-1/8 STK#PS852-V3-54 \$.60

SPDT GE#2332911 1 NO. OPEN 1 NO. CLOSED. 1 1/2 X 5/8 STK#PS904G-2332911 \$.60

DPDT; MS25008, ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. EXTENDED BUTTON PLUNGER. 2 1/2" X 2" X 1 1/2" \$1.50

SPDT; YZ-3RLTC2, ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. STRAIGHT LEVER PLUNGER. 2" X 7/8" X 1 1/2". .25

SPST; WZ-RTC2, NORMALLY CLOSED. PIN PLUNGER. 2" X 1 1/2" X 1 1/2". .35

SPDT; BZ-3R-A2, ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. PIN PLUNGER. 2" X 1 1/2" X 1 1/2". .30

SPDT; 2MD3-1A, ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. PIN PLUNGER. 1 5/8" X 1 1/2" X 1 1/2". .45

SPST; 2MC3-1A, NORMALLY CLOSED. PIN PLUNGER. 1 5/8" X 1 1/2" X 1 1/2". .45

SPST; SW-186, NORMALLY CLOSED. EXTENDED PIN PLUNGER. 2" X 1 1/2" X 5/8". .25

SPST; G-RS, NORMALLY OPEN. EXTENDED PIN PLUNGER. 2" X 1 1/2" X 5/8". .40

SPST; M07-102T, NORMALLY OPEN. EXTENDED PIN PLUNGER. 2" X 1 1/2" X 5/8". .40

SPST; WZ-RS9, NORMALLY CLOSED. EXTENDED PIN PLUNGER. 2" X 1 1/2" X 5/8". .40

KNIFE SWITCHES
 SWITCH SW-223 DPDT HEAVY DUTY 1" BQ. 2 1/2" STAND OFFS. 8x4x3; 5LB #3ZK8223 \$2.50

SWITCH SW-224; SIMILAR TO THE ABOVE SWITCH, BUT SPST. 8x4x2; 2 LBS. 2Z8224 \$1.50

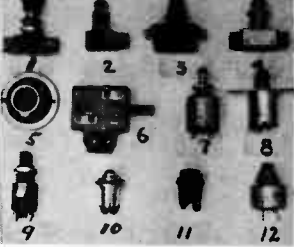
DPST PORCELAIN KNIFE SWITCH BY RODALE 123. 2 1/2" X 1 1/2" X 1 1/2". KNSW04 .35

SPST KNIFE SWITCH. BASE 1 1/2" LONG. 1/2" HIGH. BAKELITE. KNSW01 .25

SPDT KNIFE SWITCH. BASE 1 1/2" LONG. 1/2" HIGH. BAKELITE. KNSW02 .35

DPST KNIFE SWITCH. BASE 1 1/2" LONG. 1/2" HIGH. BAKELITE. KNSW03 .35

PUSH SWITCHES



ONESIDE SPST NORMALLY OPEN, THE OTHER SPST CLOSED. 1A/125. PSW001 .35

SPST NORMALLY OPEN; 3A/250. PSW002 .35

DPST NORMALLY OPEN; 3A/250. PSW003 .35

DPST NORMALLY OPEN; 1A/250. PSW004 .35

SPST GOLD-FINISHED DOORBELL NORMALLY OPEN; 1 5/8" DIA. HARDWARE INCLUDED. PSW005 .35

JPST INTERLOCK, NORMALLY OPEN. (3Z9825/254) PSW006 .35

SPST PULL SWITCH, NORMALLY OPEN. PSW007 .35

SPST NORMALLY CLOSED; CAS-U ING AS GROUND; 1/2" SCREWS REQUIRED FOR MOUNT. PSW008 .35

SPST NORMALLY OPEN; .75/125 PSW009 .35

SPST NORMALLY OPEN. PSW010 .35

SPST NORMALLY OPEN. PUSH-IN MOUNT REQUIRES 5/8" HOLE. PSW011 .25

SPST NORMALLY OPEN. 3NC5-5P PSW012 .25

DPDT PUSH-LEVER SWITCH. PSW013 .50

DPST PUSH-LEVER SWITCH. NORMALLY OPEN. PSW014 .50

DPST NORMALLY OPEN. PSW015 .50

FL-PUSH SWITCH 2PST NORM. 4. 1PST NORM. OP. 1PST. 5x3x1 #PSW5022 \$1.00

SIX-PUSH SWITCH; FIVE ARE SPST NORMALLY OPEN, THE OTHER DPST AND DPDT ON THE OPPOSITE SIDE. 4 1/2" X 2 1/2". PSW017 \$1.00

SPST PUSH-LEVER SWITCH. 3 5/8" X 1 1/2" X 1 1/2". PSW022 .35

SPST NORMALLY CLOSED MICROPHONE SWITCH. COVER AS GROUND, WITH MOUNT. PSW019 .75

SPST NORMALLY OPEN START-STOP DOUBLE SWITCH. #401. PSW020 \$1.00

4PST NORMALLY OPEN SA-26/U MICROPHONE SWITCH. 1 1/2" DIA. PSW021 \$1.00

EIGHT PUSH SWITCHES DPST NORM. OPEN AUTO RELEASE. PUSH SW. RELEASES ALL SPST NO. CL. 5x2x1 1/2; #855-151 \$1

CHAFF DISPENSER CONTROL BOX AND 24 VDC 5 DIGIT DECLINING COUNTER 2 DIGITS AT A TIME ALSO 12 POSITION WAFER SWITCH. LESS DIAL LAMPS \$ TOGGLE SWITCH. 6x4x3; 2LBS. \$1.95

SWITCHES



AIRCRAFT TYPE SWITCH TWO HOLE MOUNTING FIG. #1

CIR CON RATING NO PR
 SPST NEW 5A/125 B-5A .25
 SPDT NEW 15/125 B-9-A .35

(ABOVE SW. CENTER-OFF)
 SPDT NEW 15/125 3022-7 .35

(ABOVE SW. CENT-OFF MOM. B.S)
 SPDT NEW 15/125 B-1B .30

DPST REM 30/125 C-1 .40
 DPDT NEW 20/125 3023-10 .55

DPDT NEW 30/125 C-3 .75
 (ABOVE SW. MOM. BOTH SIDES, CENTER-OFF)

DPDT NEW 5A/125 SW5125 .65
 (ABOVE SW. CENTER-OFF; HOLE MOUNTING 1/2" DIA.)

3PST NEW 15/125 SW3115 1.25
 (ABOVE SW. MOUNTED ON "ON-OFF" PLATE 2" X 2 7/8")

FOUR 1/8" SCREWS REQUIRED)
 DPDT REM 15/125 ST52P .50

(ABOVE SW. CENTER-OFF; IRON CASE MOUNT FOR LINEAR OPERATION 2 1/2" X 1 1/2" X 1 1/2")
 DPDT NEW 15/125 BARKELEW \$2.50

(ABOVE SW. MEASURES 5" X 6 1/2" X 1 1/2"; FOUR SCREW MOUNTS FOR 1/8" SCREWS)

TOGGLE SWITCHES

TOGGLE SWITCHES SINGLE HOLE MOUNTINGS: CONDITION NEW & "REM" RE-MOVED FROM EQUIPMENT, ALL GUARANTEED.

CIR CON RATING NO PR
 SPST REM 6A/125 SW-105 .20

SPDT REM 15/125 ST42G .40
 (CENTER-OFF MOM. BOTH SIDES)

DPST NEW 10/250 8829K4 .50
 (ABOVE SW. MOMENTARY)

DPST NEW 3A/125 CH7590 .35
 DPST REM 15/125 ST50-K .45

DPST REM 5A/125 8822K1 .35
 DPST REM 10/250 CH3545 .40

DPDT REM 3A/125 SW3125 .20
 DPDT REM 6A/125 SW6125 .30

DPDT REM 5A/125 ST22R .35
 DPDT REM 15/125 ST52P .40

(CENTER OFF)
 DPDT REM 15/125 ST52N .35

3PST NEW 15/125 SW3115 1.00
 4PST REM 10/250 ZA0494 1.00

LEVER SWITCHES

TELEPHONE TYPE LEVER SWITCH
 ONE SIDE: MAKE 11; BREAK 1 OTHER SIDE: MAKE 6 #5930-392-1273 \$.40

1 BREAK 2 MAKE BOTH SIDES 1 SIDE MOMEN. #70806 75¢

1 SIDE 8 BREAK 8 MAKE 4 MAKE OTHER 1 BREAK #SW-BC1323 RE-MOVED 60¢

6 BREAK 6 MAKE #HAC4803 " 1 SIDE 2 MAKE OTHER SIDE 2 BREAK 2 MAKE SW-EE-2 35¢

TCK#404 GE#P7763503-2 50¢
 1 SIDE DPDT NC & DPST NO.

RF TRANSMISSION MONITOR



CARRIER MONITOR couples into antenna transmission line and indicates proper transmission by providing DC and audio current to remote position. Designed to operate with 2 to 30 MHz transmitters having 500 to 50K watts output. Input and output impedance 600 ohms. Includes Sensitivity trimmers for 5 KW-6 KW and 2 KW-50 KW and two 3 pf 15 KV vacuum capacitors for coupling to transmission line. Also tubes 0A2, 6AL5, 6J6, 6X4, and manual. Requires 115/230 VAC 60 Hz; 6x8.5 x 6.3, 13 lbs sh. #CAR-MON/VC, unused, \$14.95

MOTORS

12 RPM DC DRIVE MOTOR ASSEMBLY with Globe 27.5 VDC 1/100 HP

15000 RPM motor, 26.5 VDC clutch & geartrain which reduces speed to 12 RPM. Strong torque! W/schematic & plug. 4.5x1.5x4.5, 2 lbs. #12DRV/R540, used \$8.95

27.5 VDC REVERSIBLE PM GEAR MOTOR, 85 RPM no-load speed, 1/4 duty cycle; estimated 75 RPM 100 oz/in torque when under load. Shaft 1/2"L x 5/16" dia with gear. 0/4 x 1.3x1.3, 1 lb. Globe #5A1231, used, \$12.95

20-60 RPM GEARMOTOR, 28 VDC 0.5 amps reversible PM-type. Has mounting collar and tape recorder reel bobbin on shaft. Shaft 3/8"L x 3/16" dia w/o bobbin. 4"L x 2" dia; 2 lbs. #220504/UNH-6, unused, \$12.95

500 KHZ MECH FILTERS

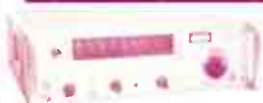
RECEIVER CIRCUIT BOARD with two 500 KHz Collins mechanical filters; #F500210 (USB) and #F500211 (LSB) plus various transistors, etc. Filters 2.3"L x 0.38" dia; board 4.3x 3.5, 1 lb sh. #RXB-2FIL-500, used, \$12.95



JENNINGS CAPACITORS

JENNINGS VACUUM VARIABLE CAPACITORS, all ratings "peak"; 5 ;bs sh. Limited supply! #UCSH-50-45, 10-50 pf 45 KV, unused, \$165. #UCS-300-7.5, 10-300 pf 7.5 KV, unused \$100. #UCS-300-10, 10-300 pf 7.5 KV, used, \$110. #USCL-465-5, 5-465 pf 5 KV, used, \$75. #UCSH-500-15, 25-500 pf 15 KV, unused \$175.

HEWLETT-PACKARD COUNTER



HP-5245L ELECTRONIC COUNTER, popular solid-state 7-digit plug-in counter with HP-5253 plug-in allowing frequency measurement upto 500 MHz. Wide variety of plug-ins offered by HP makes this a very versatile unit. Sensivity 100 mv; gate 1 usec to 10 sec in decade steps. Requires 115 VAC 60 Hz; 5.3x16.8x18.3; 36 lbs sh. Used-repairable w/book, \$250.00

HP-5245L MAINFRAME only, usable to 50 MHz, used-repairable with book, \$155.00 \$135.00

FSK CONVERTER

CV-116/URR FSK CONVERTER

for use with receivers having final IF's from 450 to 510 KHz such as R-220, R-388, R-390A, and SP-600. Converts frequency-shift signals into DC pulse that key the energizing of circuits of teleprinters; translates at 100 dot Hz/sec. Unit can be used with two receivers. Channel A IF center freq 50 KHz; Channel B 29.3 KHz. Input FS range 150-1000 Hz, 100 uv minimum; 50 ohm impedance. Separate control unit required between CV-116 and teleprinter to match output-input signals. Requires 115 VAC 60 Hz. 8.8x17x18, 80 lbs sh. Used-repairable, \$100. MANUAL, partial, \$10.



PRT-4A TRANSMITTER



AN/PRT-4A MINIATURE HELMET TRANSMITTER, designed to operate on two preset channels between 47 and 57 MHz. Output 450 MW (Ch 1), 50-250 MW (Ch 2); 150 Hz modulation disables squelch of PRC-25-77. Also 150 Hz tone output. Requires 12 VDC originally supplied by BA-399 battery (not available); CR-81 crystals not available. With 24" collapsible antenna and battery box; o/a 9x2.6x2, 2 lbs sh. Used, \$39.50 AN/PRT-4 "AS-IS" for parts, less antenna, battery box, and crystals, \$16.95.

AN/PRR-9 HELMET RECEIVER, companion to PRT-4-4A, with antenna and headset, used, \$37.50 AN/PRR-9 "AS-IS" CHASSIS only for parts, \$10. OPERATOR'S MANUAL f/ PRT-4-4A & PRR-9, \$7.50 MAINTENANCE MANUAL, partial repro, \$15.00

PRC MODULES

Modules from RT-505/PRC-25 and RT-841/PRC-77 transmitter; removed from sets and/or test kits. Used, with covers but not tested, \$7.50 each.

- | | |
|----------------|-------------------|
| A-1 DC-DC Conv | A-15 IMC Spec Gen |
| A-3 Receiver | A-16 Volt Reg |
| A-4 Receiver | A-17 Phase Comp |
| A-5 Receiver | A-18 FSS IF |
| A-6 Trans IPA | A-19 Network |
| A-7 Trans | A-21 Receiver |
| A-8 Trans | A-22 Limiter |
| A-11 Disc | A-23 Tone Gen |
| A-12 2D Mixer | A-24 Tone Squelch |
| A-13 53 MC Fil | A-25 Rec Audio |
| A-14 1ST Mixer | |

A-38/PRC-77 Transmitter VFO, \$6.00 ea
A-40/PRC-77 Interval Oscillator, \$7.50 ea

BENDIX TRANSMITTER



BENDIX TA-12C TRANSMITTER, 40 watts Phone-CW-MCW covering 300-600 KHz and 3-12 MHz in four bands. Each band has its own oscillator, osc-tuning, and loading controls; 0-5 RF ammeter monitors antenna current. Tubes 4/12SK7 and 3/807. Requires 400 & 260 VDC externally modulated and 6.3 V 3 A originally supplied by MP-288A power supply (not available). 10.5x15x11, 45 lbs. Used-excellent, \$75.00 MANUAL for TA-12C, partial-repro, \$10.00 TA-12G Tx, like "C" except to 9 MHz, \$59.50

COLECO DRIVE SUPPLY

COLECO DISK DRIVE POWER SUPPLY for ADAM system;

transformer type with outputs +5 V 3 amp, +12 V 2.9 A, -5 V 200 ma, and +18 V inductive 1 A. 115 V 60 Hz input. With cords and On-Off switch. 11x4x8, 10 lbs sh. #COL72559, used, \$12.95



CIRCUIT SUPPLY MODULE



POWER SUPPLY MODULE with conductor cord, fuse, 100/115 V input switch, and 50% Voltage switch. Outputs: 18 V 350 ma and 30 VCT 600 ma. 50% switch results 9 V 350 ma and 15 VCT 600 ma. 6x4 x2.3, 4 lbs. #PSM-4404-87AD, used, \$4.95

ANDREWS 1-5/8 FITTING



ANDREWS TYPE 83799 a special plated connector similar to 87R for HJ7-50A Heliac cable as used in medium power HF, AM, and FM installations. Has 1-5/8" EIA flange; for 50 ohm copper cable. Includes inner connector, "O" ring, silicone grease, and hardware; 6lbs. #83799, NEW, \$20.00

GR-1650A RLC BRIDGE

GENERAL RADIO 1650A PORTABLE IMPEDANCE BRIDGE, battery-power unit with handy flip-tilt case measures Inductance 1 uH to 1100 H in 7 ranges, capacitance 1 pf to 1100 mf in 7 ranges, Storage Factor Q @ 1 KHz 0.02-10 (series L) or 1 to 1000 (parallel L), and Dissipation Factor D @ 1 KHz 0.001-1 (series C) or 0.1-50 (parallel C). Has internal 1 KHz generator; with manual. Requires four D cell batteries (not supplied). 12.8x12.5x7.8, 21 lbs sh. Used-repairable, \$195. Checked, \$250.



20-1400 MHZ WATTMETER

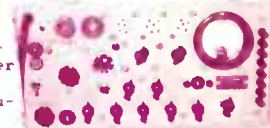


TS-118A WATTMETER, thermocouple type measures RF power over 20-1400 MHz AM-FM-CW in ranges 20 to 100 MHz (2-300 W), 100-300 MHz (2-500 W), 300-700 MHz (2-250 W) and 700-1400 MHz (2-125 W) depending on thermocouple. 1C millivoltmeter indicates voltage developed and the reading is translated in RF watts by calibration chart. SWR less than 1.25:1; Input impedance 50 ohms. Can be used as dummy load with proper adapter (not available). Includes thermocouples MX-1781-1782-1783-1785, tuning shunt MX-1784, connector adapter UG-999, and transit case. 8.5x6x20.5, 48 lbs. Used, \$185.00 MANUAL for TS-118A, partial repro, \$8.50

TV-7 TUBE TESTER

TV-7 TUBE CHECKER

portable unit tests most military and older commercial receiving and low-power transmitting tubes. Indicates dynamic mutual conductance, emissions, gas, noise, and shorts. Test sockets for octal, loctal, 4-,5-,6-,7-,9-pin, 7- and 9-pin miniature, acorn, flat and round subminiature tube base sizes. With tube test data book. Requires 115 VAC 50-1000 Hz. 6.3x8.5x15.8, 22 lbs sh. Used-repairable, \$45.00; Checked, \$75.00



TV-7D, later-model TV-7 (as available): Used-repairable, \$60.00; Checked, \$95.00 MANUAL for TV-7, A, B, D; partial repro, \$10.

DIFFERENTIAL VM



FLUKE 823A AC-DC DIFFERENTIAL VOLTMETER, 0.01 to 500 volts AC-DC; null ranges +/-10, 1, 0.1, 0.01, and 0.001 V AC-DC; +/-100 and 0.0001 V AC only. AC response 20 Hz to 10 MHz. Design accuracy +/-0.01% DC; +/- 0.1% AC. Needs standard cell for reference and 115/230 VAC 50-60 Hz; 12.3x9.5x16, 35 lbs sh. Used-repairable, \$59.50

FLUKE 803B, similar to 823A but null range to 0.001 min; +/-0.05% DC, 0.2% AC, \$39.50 MANUAL for 803, partial reproduction, \$10.

1-10 GHZ TEST

AN/USM-96 RF POWER TEST SET measures output from 1 to 10 GHz CW, modulated or pulsed. Power input 100 MW to 5 watts using 94CEL (to 1 MW) or 94CEH (to 50 MW) bolometers. Separate CN-540 & CN-541 attenuators extend measurements to 100 MW & 5 W respectively. Has 3.5" dia meters for 0-50 Relative Power and Center Scale Balance. Bolometers, attenuators, MX-2683 bolometer mount, operator's manual included. Requires 115 VAC 50-1600 Hz; 13x13x14, 50 lbs. Used-repairable, \$145.



R-901/GR DF RECEIVER



R-901/GR DF RECEIVER, 0.54 to 20.5 Mhz AM-CW in bands 0.54-1.15, 1.1-2.36, 2.25-4.84, 4.65-9.9 and 9.5-20.5 Mhz. 455 KHz IF; bandwidth 1.5 or 4 KHz using two Collins mechanical filters. Built-in crystal calibrator and controls for BFO, RF-AF Gain, Bandwidth, Power Select, Power Monitor meter, Band Switch, Ant Trim. Antenna inputs for 50 ohm directional loop and conventional whip; 600 ohm audio output. Requires 24 VDC or 1.5 V 445 ma and 45 v 30 MA; 11 sub-mini tubes. 8.8x14.5x9, 27 lbs. Used-repairable, \$165.00 CHECKED, \$245. MANUAL, partial repro, \$12.

FAIRCHILD 767H SCOPE, rackmount with DC-50 Mhz Dual-Trace 76-08 and Calibrated Delayed Sweep plug-ins; 50 lbs. Repairable, \$295.00
GENERAL RADIO 1026 RF GENERATOR, 9.5-500 Mhz AM-CW; 1 Mhz cal., 90 lbs. Repairable \$450.
TEKTRONIX 434 STORAGE SCOPE, portable DC to 25 Mhz dual-trace; full, upper, or lower screen storage. With book, \$1500. \$1250.
TEKTRONIX 564 SPLIT-SCREEN STORAGE SCOPE w/ DC-10 Mhz Dual-Trace 3A6 and Delay Sweep 3B3 plug-ins; 60 lbs. Repairable, \$495.00

RYCOM 2174A VOLTMETER-VLF RECEIVER, 0.3 to 420 KHz AM-LSB-USB; built-in speaker and book; 27 lbs. Repairable \$135. Checked \$195.

AT-197/GR DISCONE ANTENNA for 225-400 Mhz, 12-rod 26" dia umbrella-shape for MN connection & mount base; 14 lbs sh. Used, \$40.

LS-454 LOUDSPEAKER



LS-454 LOUDSPEAKER in rugged cast aluminum housing. Similar to LS-166 but does not have Hi-Lo switch and cord has U-229 connector for use with PRC-25/77 and VRC-12 family equipment. 4" dia speaker has heavy duty magnet and 600:8 ohm audio transformer. 5x5 x3.3, 5 lbs sh. Used w/wall bracket, \$16.00

BC-1306 RECEIVER

RECEIVER SECTION from BC-1306 Rx-Tx, predecessor of RT-77/GRC-9; covers 3.5 to 6.5 Mhz AM-CW-MCW. Has 456 KHz IF; 200 KHz crystal calibration points. Controls for Hi-Med-Lo Sensitivity, Volume, Tuning, Phone-CW-Net-Cal, Dial Light and two Phone jacks. With tubes 2/1L4, 2/1R5, 1S5, 3Q4. Requires +105 VDC 20 ma and 1.5 VDC 450 ma supplied by BA-48 battery listed below. Some minor surface corrosion; 5x9x6, 9 lbs sh. #RX/BC1306, used, \$29.95 SCHEMATIC, \$2.00; BA-48 BATTERY, \$8.95 AN-160 LONG-WIRE ANTENNA, \$12.95



AB-719 SPRING BASE



AB-719/VRC SPRING ANTENNA BASE, designed to mount on MX-2799/VRC matching unit but will "bolt" to any flat surface. Has BNC RF connection; mates to AT-1096/VRC 52" mast section which screws into AT-1095 64" top section. Mast sections not included. 4.8x9.3x3, 4 lbs sh. Used, \$7.95 AT-1096 MAST, used, \$15; AT-1095, \$12.50

PRC-6 CHANNEL ALIGNER

ID-292/PRC-6 CHANNEL ALIGNMENT INDICATOR, plugs into RT-196 and indicates relative level voltages for B- Filament, Oscillator Injection, Limiter, Discriminator Output, and P-A Grid. Also P-A Current and Calibrate Adjust. Unit is basic VTVM with 1.75" sq. FS=500 ua-meter and 5678 tube. Power from set under test. 2.5x5x2.5, 3 lbs sh. Unused with book and spare 5678, \$28.95



BA-38 BA-48 BA-270

MILITARY BATTERY BUY-OUT!

We just purchased tons of equipment batteries from the government; all are unused. Use them as intended or for your own special needs. Not rechargeable.



BA-38 for SCR-625 mine detector (p 6 WS-87) or BC-611 walkie-talkie; 69 N-cells, 103.5 VDC. 9/81 date; 1.3x1.3x11.7, 1.6 lbs, \$10.
 BA-48 for Rx section of RT-77/GRC-9 (p 6 WS-87) or BC-1306; 6 CD & 60 A-cells, 1.5 & 90 VDC. 10/81 date; 10x2.2x4.8, 7#, \$8.95
 BA-216, twelve "F" cells, 4.5 VDC; 4/80 date code. 3.9x3.9x6, 4.5 lbs sh, \$3.00
 BA-232, 15 N-cells, 22.5 Volts; 4/83 date code. 1.6x1.3x3, 0.3 lbs; \$1.25 ea, 5/\$5.
 BA-270 for RT-196/PRC-6 walkie-talkie; 24 AA, 93 N-cells, 1.5, 45, 90, -45 VDC. 9/83 date; 2.8x2.1x7.4, 3 lbs. \$8.95 ea, 12/\$95.
 BA-279 for PRC-8-9-10 Rx-Tx; 8 CD, 45 B, 45 AA, 8 C-cells, 1.5-67.5-135--6 VDC. 5/79 dates; 8.3x2.3x8.3, 7 lbs; \$7.95 12/\$72.
 BA-291, 200 FL-2 cells, 300 VDC; 3/80 date. 2.6x2.2x3.8, 2 lbs, \$3.50 ea, 2 \$6.00
 BA-314, 45 FL-3 cells, 67.5 VDC; 6/81 date. 2.8x1.3x2.5, 1 lb; \$1.25 ea, 12/\$10.
 BA-406, 2 D-cells, 3 & 1.5 VDC; 7/82 date. 2.6x1.4x3.2, 1 lb, 2/\$1.50 ea
 BA-802, 2 F-cells, 1.5 VDC; 6/80 date. 2.6x1.4x4.3, 1 lb, 2/\$1.50
 BA-807, 30 D-cells, 22.5 & 45 VDC; 1/82 date. 7.8x7.1x2.9, 9 lbs; \$8.50 ea, 2/\$15.
 BA-1277, 3 R-42R mercury cells, 1.3 VDC; 5/83 date. 2.4x1.3x4.2, 2 lbs, \$2.50 ea
 BA-1393, 12 RH-3WA mercury cells, 13 VDC; 2/82 date. 5x1" dia, 1 lb; \$2.00, 3/\$5.00



GOULD NICKEL-CADMIUM BATTERY, rechargeable vinyl-covered multi-cell rated 12 VDC 4.0 A-Hr; wire leads. 5.9x3.5x2.6 3 lbs sh. Used-checked \$14.95

FIELD PHONE-CONTROL SET

We've taken two items in plentiful supply, C-433/GRC CONTROL & H-33 HANDSET, and have put them together to function as a low cost field telephone compatible with EE-8 and TA-43/312 two-wire field phones. C-433 has handcrank ringing generator and incoming call bell plus circuit for the H-33. Requires two "D" cell batteries (not supplied). C-433 3.5x8.3x7.2; 10 lbs sh. #C433-H33, used, \$24.95; CW-189 CANVAS BAG, holds two C-433's & two H-33's, used \$4.50



AE PAY TELEPHONES

AUTOMATIC ELECTRIC CHROME PAY TELEPHONES: the genuine glitzy chromed-finish article refurbished with microcircuit electronics, and FCC approved. These working (quarters only) units are intended for use again as public pay phones. Each are set for local calls only with variable call time control, free operator and 911 emergency access, rotary dial and modular jack. Heavy cast-metal construction including keyed coin box. Re-regulation of the telephone industry allows businesses and individuals in many states to own and operate pay phones for profit. There are guidelines to be met and local monthly tariffs to be paid but income in excess of the tariff belongs to the phone owner and not the phone company. Gas station, restaurant, laundromat and similar high-traffic business owners especially stand to profit by owning pay phones! Consult your phone utility regarding pay phone ownership requirements. 17x6.5x5.8, 50 lbs. #AE-PP-CHR, chrome with info, \$225. \$425.00 #AE-PP-CB, beige top/chrome bottom, \$375.00

R-391/URR 0.5-32 Mhz RECEIVER w/24 VDC pre-set drive. Requires 115 VAC 60 Hz; 90 lbs sh. Repairable w/meters, \$300. MANUAL repro, \$15.

BURIED WIRE LOCATOR

AT&T MODEL 170A BURIED SERVICE WIRE TEST SET, portable field unit designed to test and trace path of buried telephone wires and to locate wire breaks or line "faults". Consists of 172A Test Set-Transmitter which provides line reference signal and functions Off/Test, Ohms, Trace, Pinpoint and 171A Test Set-Receiver which "tunes" the reference signal on null meter to find the line or fault. Requires AT-8681 ground probe (not available) and two 6 VDC lantern cells and three 9 VDC transistor batteries (not supplied). With carrying case & operator info; 12 lbs. Used, \$59.50



DISTORTION ANALYZER



TS 723 DISTORTION ANALYZER, similar to Hewlett-Packard 330B; used to evaluate output of audio amplifiers. Measures harmonic distortion as percentage or in decibels and noise level in RMS or DB values referenced to 1 MW across 600 ohms. Response 20 Hz to 20 KHz; distortion sensitivity as low as 0.3% of meter full scale. Noise amp gain: 40 db +/-1 db from 20 Hz-15 KHz. Set-level amp gain: 20 db +/-1 db 20 Hz-20 KHz. Input impedance 200K ohms shunted by 40 pf. Built-in AC VTVM has ranges 0.03-300 Vrms in 8 steps: -30 to +50 db in 8 steps. VTVM response 10 Hz-100 KHz. With tubes 6D3, 6Y3, 3/6AC7, 2/6J5, 4/6SJ7, 6Y6. Requires 115/230 VAC 50-1000 Hz. 10.5x 19x12, 50 lbs sh. Used-repairable \$165. \$145 Checked, \$210 \$185. MANUAL, part-repro \$10.

UNIVERSAL BRIDGE

ZM-11 TEST SET, portable bridge unit designed to measure capacitance, inductance, resistance, transformer turn ratio, dissipation factors of inductors and capacitors, and storage factors of inductors--all at 1 KHz test frequency. Also insulation and leakage of electrolytics in circuit using 10.75 Mhz test frequency. Capacitance range: 10 pf-10 mf, 1 mf-100 mf, 10 mf-1100 mf. Inductance: 0.1 mH-1 H, 1 H-10 H, 10 H-110 H. Insulation DC res: 200-500 megohm, 5K-10K meg ohm. Transformer turn ratio: 0.01-1:0 (K:1). DC leakage: 0-1-5-25 ma. Dissipation: 0-0.06 (10 pf-0.1 mf), 0-0.6 (0.1 mf-1100 mf). Q Storage: 0.5-20. DC applied to electrolytics is 500 VDC. Tests test leads with standard banana jacks. (Leads not available.) w/tubes 6E5, 6J6, 2/6AV6, 6AG5, 6AL5, 6AQ5, and 6X4. Requires 115 VAC 50-1000 Hz; 5.8x9x9.8, 18 lbs. Used-repairable, \$85. Checked, \$115.00 MANUAL for ZM-11, partial repro, \$8.50



H-P VHF GENERATORS



HEWLETT-PACKARD 608-Series VHF SIGNAL GENERATORS, AM-Pulse-CW emission; 400 or 1000 Hz modulation. External modulation 20 Hz to 20 KHz, 0 to 95%. Large 3.5" dia meters indicate Percent Modulation and Output Volts-DBM. Require 115/230 VAC 50-400 Hz; 16.4x13.3x21, 72#.

HP-608C, features broad 10-480 MHz range and high output of 0.1 uV to 1 V into 50 ohms; frequency accuracy +/-1%. Repairable, \$215.00
 HP-608D, 10-420 MHz range with built-in 1 & 5 Mhz calibrator; Repairable w/book, \$250.
 HP-608F, later model covers 10-455 MHz with 0.1 uV to 0.5 V output. Built-in crystal calibrator provides check points every 1 Mhz upto 270 MHz and 5 Mhz check points above; accuracy +/-1%. 608F has phase-lock frequency control capability if used with HP-8708A Synchronizer (not available). Checked, \$425.

SINCE 1947

FAIR RADIO SALES CO.

WORLD'S FINEST

ELECTRONIC SURPLUS

GOVERNMENT AND COMMERCIAL



CATALOG WS-81

MANY ITEMS AT SPECIAL SALE PRICES!

10 KHZ TO 50 MHZ



AN/URM-25F SIGNAL GENERATOR, covers 10 KHz to 50 Mhz AM in nine bands. RF output: 0.1 to 100K micro volts into 50 ohms; 5 V adjustable across high load impedance. Modulation 0-50%, 400 or 1000 Hz internal. 1 Mhz calibrator; designed accuracy $\pm 0.05\%$ above 10 Mhz. Requires 115 VAC 50-1000 Hz. 11 $\frac{1}{2}$ "x14 $\frac{1}{2}$ "x2 $\frac{1}{2}$ " 44 lbs. Used, repairable \$145; Checked, \$210. *****

ACCESSORIES, available w/purchase of URM-25F: MANUAL, partial reproduction, \$10.00
CX-2919 test lead adapter, \$7.50
CU-406 impedance matcher, 500 ohms up, \$7.50
CU-408 impedance matcher, 70 ohms, \$7.50
DA-109 dummy load, \$6.00
ENC cables, 6", \$1.00; 4 feet, \$1.25

AN/URM-25D SIGNAL GENERATOR, older version of URM-25F; eight bands and designed frequency accuracy $\pm 0.25\%$ above 10 Mhz. Less front cover. Used, repairable, \$125.00



ACCESSORIES w/purchase: MANUAL, partial reproduction, \$10.00
EX-1487 impedance adapter, \$6.00
SM-35 antenna simulator, \$5.00
CN-223 5:1 attenuator, \$5. CN-224 10:1, \$6.

FVS-3 NIGHT VISION

AN/FVS-3 MINIATURIZED STARLIGHT SCOPE ASSEMBLY, night vision device originally used for weapon's sighting but probably adaptable for other uses. Assemblies consist of front optics, intensifier tube housing, and weapon's mount for M-16 rifle with adapter bar. Units designed to use mil-8858 image intensifier tube (current Varo #1462-series priced over \$1900.00) which magnified existing light 40,000 times and had automatic brightness feature. Useful: cathode diameter 18 mm. Required 2.65 VDC supplied from BA-1535 battery (not available). Sets are sold less intensifier tube and rear ocular sighting piece; adjustments may be required. Size: 2 $\frac{1}{2}$ " dia X 11" housing; 6" high with mount. Used, as above with case, \$165.00
Marginal light filter, for daytime low-light use, \$12.00 when purchased with assembly.



455 KHZ SSP-BFO

455 KHZ SSP-BFO KIT, originally a 3SB modification for a commercial receiver which can be adapted to provide 3SB reception for most receivers having a final IF of 455 KHz. Has 456.5 and 453.5 KHz crystals (USB & LSB) and normal variable BFO function 451-459 KHz. Output 2.2-3.4 volts. Requires 198 VDC & 6.3 VAC. W/knobs, dial plate, 6AU6 tube, schematic. Shaft 5 $\frac{1}{2}$ " lg X $\frac{1}{4}$ " dia; box excluding 6AU6, 4 $\frac{1}{2}$ "x2 $\frac{1}{2}$ "x2 $\frac{1}{2}$ ", 3 lbs. #MR-415-52 NEW \$15.95



PERFECTION

COMPUTER PERFECTION, four games to test memory skills: Countdown and Black Hole for one player, Brainbattle and Lightrace for two players. Each game has three skill levels. Also has test mode and "repeat" mode which re-runs the winning sequence of a game for the next game. Has TMS1100NL chip, 10 LED's, sound element, and three slide switches. Uses 2/9 VDC transistor batteries (not included). 4 $\frac{1}{2}$ "x4 $\frac{1}{2}$ " 1 lb. Board only as shown, w/instructions, \$4.50



MOTOROLA TRANSCIVER

MOTOROLA FM MOBILE TRANSCIVER, transmits in 144-174 Mhz range, receives between 450-470 Mhz. #TD6050AB transmitter section has output of 25 watts min. (144-167 Mhz), 20 W min. (167-174 Mhz) using single crystal-controlled channel. Crystal multiplication 24 times; 50 ohm output impedance. Has nine tubes including 6146 in power amp. #XRE1000-AH receiver has dual squelch "Private Line" or separate tone-controlled and carrier squelch circuits. Two crystal-controlled channels; 455 KHz final I.F. Audio output 2 watts into 3.2 ohms. With 14 tubes. #XPN-6003B transistorized power supply requires 12 VDC input to supply voltages for transmitter and receiver. Crystals, control head, and other accessories not available. With schematics. 6x10x19 $\frac{1}{2}$ ", 28 lbs. Repairable, \$55.



GRID DIP METER

AN/PRM-10 TEST OSCILLATOR a grid dip meter designed to determine resonant frequencies of tuned circuits or the frequency of RF signals. Uses seven plug-in coils covering 2 to 400 Mhz in ranges 2-5, 5-10, 10-22, 22-45, 45-100, 100-250, and 250-400 Mhz. Amplitude modulation about 30% produced by 1 V across 150K ohms from external oscillator. Functions as a miniature receiver or transmitter when tuning head and coil are placed near circuit in question. Results indicated on tuning head meter or can be heard with earphones. PRM-10 includes set of coils, tuning head, power supply, transit case, and schematic. Requires 115 VAC 50-1000 Hz. 8 $\frac{1}{2}$ "x11 $\frac{1}{2}$ "x5 $\frac{1}{2}$ " 20 lbs sh. Used, repairable, \$95. Checked, \$135.



AC LINE REGULATOR

J-95/CRD-2 POWER CONTROL BOX for controlling and monitoring 115 or 230 VAC power circuits up to 500 watts. Consists of autotransformer w/10 step voltage control from 96 to 137 VAC and 240 VAC. Also features 3 $\frac{1}{2}$ " round 11-reed 55-65 Hz line frequency meter, 3 $\frac{1}{2}$ " round 0 to 150 VAC meter, 5 and 10 amp circuit breakers, and overload relays. 14 $\frac{1}{2}$ "x14x13", 72 lbs sh. Used \$60.



HEWLETT-PACKARD SCOPE

HEWLETT-PACKARD 120B OSCILLOSCOPE, general purpose DC-450 KHz unit with 5" display suitable for audio and video work. Sweep: 1 u-sec/cm to 0.5 sec/cm in 15 calibrated steps plus vernier adjustment and x5 expansion. Vertical sensitivity: 10 mv/cm-100 V/cm using 4-step attenuator and vernier. Vert. input impedance: 1 megohm shunted by 50 pf. Horizontal sens: 0.1 V/cm-100 V/cm using 3-step atten. and vernier. Includes 5A2P CRT and beam finder. Requires 115/200 VAC 50-1000 Hz. 6 $\frac{1}{2}$ "x16 $\frac{1}{2}$ "x18 $\frac{1}{2}$ " 42 lbs sh wt. Used, repairable, \$185.00; Checked, \$185.00
MANUAL, \$10.00 when purchased with HF120B.



ORDERING INFORMATION SEE PAGE 2

MINIMUM ORDER \$5.00

Fair Radio Sales Co.

P. O. Box 1105 -- 1016 E. Eureka St.
Lima, Ohio 45802 419/227-6573

CATALOG INFORMATION

This IS the only catalog we will issue this year. A supplement will be sent in the Fall.

FAIR RADIO SALES CO., INC.

1016 E. EUREKA, BOX 1105, LIMA, OHIO 45802
TELEPHONE: AREA CODE 419 227-6573

SHUNT

50 mv. 15 AMP
Size: 2x1x1 1/2
6625-810-6742
UNUSED \$2.50

FS-50 UA w/
mirrored
scale, zero
adj. Scale:
4.0-20.0 GMS
% HEMOGLOBIN.
Mount on panel
front or
behind. Fits 2 1/2" dia. hole.
5 1/2x6x2; Beede mfg., \$7.95

CALIBROCHEM meters,
FS-50 UA
2-3/8" square.
Used, \$4.95
#200037, 0-150
-350% GLUCOSE
scale.
#200039, 0-.3% BLOOD ALCHL.
#200056, 4-24% HEMOGLOBIN

TUBE TEST

REPLACEMENT METERS
F/MERCURY
tube checkers.
Bad?-Good
scale; can be
changed.
#990 FS-1 ma 2 1/2x2 1/2 33.00
#390 FS-1 ma 3 1/2x3 4.00
#3958 FS-1 ma Fan
type 3 1/2x3 1/2 4.25
#1000 FS-1 ma 4x4 1/2 5.00
#9000 FS-5 ma curved
fan type 7x5 6.00

CB METERS
clear
plastic
w/black
scales.
Scales are not linear.
Size: 1-9/16" sq. NEW \$2 ea
#S-R/C/M, FS=250 ua (100 ua
center); 1-2-3-5-cal sc.
#P-R/S/C/M, as above but
0-5 pwr, 1-9 3-units.
#S-P/R/C/M, FS=200 ua (75
ua ctr); 1-9 "S", 1-5 pwr.

CLEAR PLASTIC
METERS, 2-3/8"
sq. fit 2-1/8"
dia. hole. EMI
mfg. Unused.
#D1145-2, 0-5-
50 MADC, FS-5 mdc, \$4.95
#D1159-1, 0-50-500 MADC
scale, FS=50 mdc, \$4.95
#D5630, 0-3 VDC, \$4.95

MICROMHOS DYNAMIC
MUTUAL CONDUCTANCE
USED IN I-177 TUBE
CHECKER BASIC 0-1.4
MA. HICKOK #M547A
STK# 3F1350 \$4.95

TV-2 REPLACEMENT
METER, 0-250
SCREEN VOLTS,
FS=1 MA. 2 1/2" RD.
SEALED. NEW \$5.95

DECIBELS

-10-0-64 DB 6MW 600 OHMS
2 1/2" RD. WEST. 2837 \$4.95
-12-0-84 DB 100 UAFPS 3 1/2" RD
BLK. RUGG. WAC4586 N \$7.95
-12-0-48 DB, FS=100 ua, 3 1/2"
rd. blk. face. Used, \$5.95
-20-0-34 DB FS-199 MUA 2 1/2" R
#GA50934 USED \$4.95

OTHER VALUES IN STOCK, WRITE
POWER SET #6 TO 0 TO-3
2 1/2" RD. FS-200 UA, WACLINE
1496/400 RUGG/SEAL U \$3.95

MULTIMETERS
by Modutec.
5x4, zero
adj, mirror-
ed scale.
Fits 2-5/8"
dia. hole.
#841256, 0-10 VDC-UA-VAC r-
ma; FS=50 uadc. New \$7.95
#841974, 0-10 VDC-AC rms-UA
DC, 0-28 VAC p-p, OHMS.
FS=100 uadc, new, \$7.95
#821155, 0-100 VDC, 0-75-
150 MADC; FS=100 uadc. Not
mirrored; 3x2 1/2. Fits 2-1/8
dia. hole. Unused, \$5.95

DUAL SCALE METER
0-1 MA MOVEMENT
TWO MECHANICALLY
SWITCHED SCALES,
0-25, 0-125. FOR
BEHIND PANEL MTG.
CAN BE ILLUMINATED
SHAFT EXTENDS 3/8" FRONT AND
REAR. 2 1/2x1 FACE, 2 1/2x3 1/2 OVE
ALL. UNUSED \$4.95

ROENTGENS
PER HOUR METER
50 MICROAMPERE
D.C. FULL SCALE
3 1/2" RUGGEDIZED
REMOVABLE
PLASTIC LENSE,
BLACK FACE.
TOP SCALE 0-500, LOWER 0-10
#300-10764 UNUSED \$3.95

BALLENTINE
V.T.V.M.
METER
ONLY
AC VOLTS
1-10
DECIBELS
0-20
WESTON 643
4 1/2" OR EQ.
MFG. PT. NO. 205007 NEW
STK#6625-557-0899 \$8.95

OUTPUT ALTER
FOR IS-497B AND
TS-437C SIGNAL
GENERATORS.
300-0-300 DC
MICROAMPS. 3 1/2" RD.
WARRON HS3, #5705 NEW \$7.5

DC VOLTMETER 3
IN. SQ. NO SCALE
COLORED SEGMENT
SIMPSON MFG. NEW
50 VDC #1913 \$6
25 VDC #1906 \$6

REPLACEMENT METERS, good
meters removed f/equipment.
TS-352/ME-9 4 1/2" rd., \$15.00
ME-26D, 4 1/2" rd., \$15.00
ME-81/UST-34, unused, \$12.
TV-7 tube test, 3 1/2" rd., \$12
RT-86-67-68 xmitters 1 1/2" \$8

GENERAL ELECTRIC
AD-6 PANEL METER
0-300 VAC 25-125
Hz, high accuracy
for lab use.
Metal case 5 1/2x5 1/2
x4 1/2, 6 lbs sh.
Unused, \$9.95

RUNNING TIME

RUNNING TIME
METER, 3 1/2" rd.,
5-place; 115
VAC 60 Hz.
#RTM-WRT-1,
Used, \$9.95

LP-GAS METER, 0-1
VDC full scale.
Mounts in 2" dia.
hole. Chrome
finish #48560-2,
\$1.50 ea.

STORE HOURS
9 A.M. TO 5:30 P.M.
MONDAY THRU FRIDAY
9 A.M. TO 1 P.M. SATURDAY

TERMS

PRICES NET, F.O.B. LIMA, OHIO
SEND MONEY ORDER, CER-
TIFIED CHECK, VISA, or
MASTERCARD WITH PURCHASE
ORDER FOR IMMEDIATE SER-
VICE.

We reserve the right to hold an
order accompanied by personal
or company check until after
check clears the banks.

MINIMUM ORDER \$5.00
Orders less than \$5.00
ADD \$1.00 HANDLING CHARGE.

Include sufficient money for
shipping charges. (UNUSED
PAYMENTS RETURNED AT
ONCE.) Otherwise we will send
shipping charges collect.

C.O.D. ORDERS. SEND 50% OF
PURCHASE WITH ORDER. CASH
BALANCE WILL BE COLLECTED
UPON DELIVERY.

When writing for information
PLEASE state what specific
information you desire.

DESCRIPTIONS

ALL MATERIAL OFFERED IN
THIS CATALOG IS IN "USED-
COMPLETE" CONDITION, UN-
LESS QUALIFIED AND/OR
NOTED AS "RECONDITIONED,"
"UNUSED," OR "NEW."
MERCHANDISE IS NOT OPER-
ATIONALLY CHECKED UNLESS
SPECIFIED AS "CHECKED."
EQUIPMENT DESCRIBED AS
"REPAIRABLE"--MEANING "A-
BLE TO BE REPAIRED"--IS
ELECTRO-MECHANICALLY COM-
PLETE, BUT REQUIRES SOME
TROUBLESHOOTING BY THE
CUSTOMER.

AC VOLTMETERS

0-3VAC 3"RD. SUB PANEL MTG
1000 P/V 2F8003-11 NEW \$7.
0-7.5VAC 3"RD. STD.
WEST. CAY22237 NEW \$6.95
0-10 VAC 2 1/2" rd. \$4.95
3 1/2" rd or sq \$5.95 var.mfg.
0-30 VAC 3 1/2" rd. various
mfg. unused \$8.95 used \$7
30-150 VAC 60 Hz, various
mfg: 3 1/2" rd., used, \$6.95
3 1/2" rd., used, \$8.95
0-300 VAC, 2 1/2" rd, used \$6.
0-100 VAC, 3 1/2" rd., Hickok
Model 47M, used, \$5.95
0-15 VAC, 3 1/2" rd., various
mfg., used, \$5.95
0-50 VAC, 1000u/v, 3 1/2" sq.
WESTON 301 UNUSED \$6.95

AC AMMETERS

0-150 ACA 3 1/2" r., FS.5 amp
black face unused \$6.95
AC MILLIAMPERES Rectifier
type, 0-250 & 0-500 scale
2 1/2" rd. ruggedized
Marion Electric EM-2 \$6.95
0-10 AFS AC, 3 1/2" rd., Wes-
ton 1534, unused, \$12.00
0-125 ACA FS=5A for 400 Hz
3 1/2" rd. Hickok#470951 \$10
0-100 microamp a.c 2 1/2" rd.
Weston-506 or equal UN\$6.95

D.C. MILLIAMPS, D.C. VOLTMETERS

F#1 MADC, 0-5 25 indicated
2 1/2" rd. sealed. #1031 \$4.95
0-3 MA-DC, 3 1/2" rd. sealed.
#4081, unused, \$6.95
0-80 DCMA SCALE
2 1/2"RD. RUGG. #8274 N \$4.95
0-100DCMA 100MA. MOVE.
3 1/2"RD. RUGG. #4265 N \$6.95
0-150 DCMA sc. USED
3 1/2" RD. STD. CAY22061 \$5.95
0-200 DCMA sc. 2 1/2" RD. USED
#MR252000C/A \$3.95
0-200 DCMA sc. 3 1/2" RD NEW
GE-CG22063 \$5.95
0-20 MA-DC, 3 1/2" rd. Various
mfg. Used, \$5.50 Unused \$7.
0-500 MADC, 3 1/2" sq. Simpson
Used, ptr. tip bent, \$4.95
0-15-300 MA-DC, FS=15 mdc,
3 1/2" rd. Various mfg. \$5.95
1-0-1 MADC, 2 1/2" rd sealed;
various mfg., used, \$5.95
0-50 MADC, 3 1/2" rd., various
mfg., used, \$6.95

OTHER VALUES IN STOCK, WRITE

D.C. MICROAMPS.

0-200 UADC, 3 1/2" rd. sealed;
Var. mfg. #3981, new, \$3.95
0-200 UADC and -8-0-+6 DB,
2 1/2" rd. sealed, new, \$4.95
0-500 UADC, 2 1/2" rd., Var.
mfg. Used, \$4.95
500-0-500 UA-DC, 3 1/2" rd.,
various mfg., unused \$8.95
100-0-100 UA-DC, 2 1/2" rd.
sealed; Honeywell, U, \$4.95
50 UA MOVEMENT, SCALE -30,
0, 150, POINTER AT ZERO, SEAL
ED, 2 1/2" RD USED TRC30150 \$4
50 UA MOVE, SCALE 0-100 %
MOD/PEAK VOLTS. SEALED
2 1/2" RD USED TRC10050 \$4.00
FS-50 UA, 0-3000 watt scale
3 1/2" rd sealed, unused \$6.95
0-100 UA-DC, 2 1/2" RD. SEALED
VARIOUS MFG., USED, \$4.95

OTHER VALUES IN STOCK, WRITE

FAN-SHAPED ME-
TERS, plastic w/
zero adj. 3" top
2 1/2" bottom; 3" H.
Fits 2" dia. hole
EMI mfg. Unused.
#EMI-200UA, 0-50-
150 VDC, FS=200 ua, \$4.95

#EMI-5VDC, 0-5 VDC, \$5.95
#EMI-25VAC, 0-25-250 VAC
scale; FS=25 VAC, \$5.95
#EMI-FS-50MA, 0-500 MADC
scale; FS=50 mdc, \$5.95

SMALL METERS 1 1/2"
square; sealed \$6
#20U-10, 0-20 UA
x10; FS=200 ua.
#6538; 0-10; Full
scale 1 ma. Intl mfg.
#0728, 0-10, FS=50 mv; blk
face, Weston 151. Unused.
#7963; 0-10 scale, FS=1 ma,
1 1/2" dia., Ideal 3-100.

0-50 VDC EDGEWISE, 1 1/2" X 1 1/2"
D. HONEYWELL, NEW, \$8.
0-15-600 VDC, 2 1/2" rd black
face; w/mult. code-Used \$6.
0-10 VDC, 3 1/2" rd. Various
mfg. Used, \$5.95
0-5 VDC, 3 1/2" rd., various
mfg., used, \$6.95
0-50 VDC, 3 1/2" rd or square,
various mfg., used, \$7.95
0-100vdc sc. 2 1/2" RD. RUGGED
#9545 NEW \$5.95
0-75 VDC, 3 1/2" round. Vari-
ous mfg. Unused \$8.95
0-200 VDC, 3 1/2" rd. sealed;
various mfg. Used, \$6.95
0-300 VDC, 2 1/2" round; vari-
ous mfg. Unused \$5.95
0-500vdc sc. 3" sc.
#231-1624 USED \$5.95
0-500vdc sc. 2 1/2"RD. RUGGED
FS-50MUA #683-9829 NEW \$5.95

KILOVOLTS DC, FS=1 MA:
0-1.5 KVDC 3 1/2" rd. Used \$6.
0-4 KVDC, 3 1/2" rd. Unused \$7

OTHER VALUES IN STOCK, WRITE

R.F. AMMETERS

0-5 RFA 2 1/2" rd. 20hz-20mc
CAY-22026A cal.60hz \$9.95
0-15 RF AMMETER, 3 1/2" rd.;
various mfg., used, \$16.95
0-100 RF MILLIAMMETER, 2 1/2"
rd sealed; unused, \$9.95
0-5 Ant Curr. w/trans coil,
3 1/2" rd. M101/ART-13 used \$9
0-15 RF, 3" sq. FS=1 ma;
Simpson 271, U, \$8.95

AC FREQUENCY

METER
46-52 and 58-
52 HZ, 100-
150 VAC, ten
reads. 3 1/2"
rd sealed; 2 lb.
#974-9364, unused, \$7.95

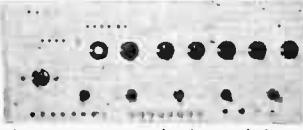
DC AMMETERS

DC METER FS-50 mv Used
0-50, 3 1/2" rd., \$6.95
0-150, 3 1/2" square, \$7.95
0-200, 2 1/2" rd-unused, \$8.
0-1500, 3 1/2" rd., \$7.95
0-2 ADC, 2 1/2" rd., Westing-
house 1A-65, used, \$8.95
0-50 ADC, 3 1/2" rd., Weston
301; unused, \$12.00
0-10 AFS DC, 3 1/2" rd., var-
ious mfg., used, \$10.95
AUTOMOTIVE TYPES, 2 1/2" rd:
-40-0--40, unused, \$3.95
50-0-50, unused, \$8.95

BIG LOOK
0-20 DCA SCALE
50 MV 3 1/2" N \$8.

SWITCH & LAMP PANEL

DATA CONTROL & INDICATOR PANEL, an excellent source of components such as switches and indicator lights.



Has seven hexadecimal rotary switches with skirted knobs marked 0,1,2,...,D,E,F; one hex switch 0-7; five rotary switches less knobs (one each 4-,5-, & 6-position, two 8-pos) with one selected position open--all others making; 2/SPDT push sw; 12/SPDT toggle sw; and 70/4 V 47 ma indicator lights--mostly with white plastic lenses. Panel size: 11x27x2, 15 lbs sh wt. #DC-IP/NCR, \$17.95

CARTRIVISION COMPONENTS

FISH TANK



FISHTANK OF ELECTRONIC COMPONENTS, P/O VIDEO TAPE SYSTEM. CONSISTS OF DEMODULATOR, SERVAMP, DROPOUT COMPENSATOR, PER/POST PROCESSOR, DC POWER SUPPLY 115 V 60 HZ; OUTPUT -12/-12 LAMP REG, 5 VDC 1 AMP UNREG. MANY PARTS, IC's, FET, TRANSISTORS, TRANSFORMER VARIABLE RESISTORS, CAPACITOR MORE! SIZE 14x12x6 1/2 WT 15 \$14.95

2 FOR \$25.

TIMER BONANZA

CARTRIVISION TIMER CONTROL 115 VAC 60 HZ MOTOR W/SPDT CONTACTS, UP TO 8 HR. DELAY. 18 V. 200 MA TRANSFORMER; 12 VDC SPDT RELAY; SPDT & 4PDT (CENTER-OFF) SLIDE SWITCHES; SPST MICRO-SWITCH; TRANSISTORS, RECTIFIERS, ETC. \$1.95



3 FOR \$5.

D O L L A R

D A Z E

PLEASE ORDER BY NUMBER. Unit prices only as indicated. Look for more DOLLAR DAZE throughout this catalog.

40-81 8" x 17" PLEXIGLASS SHEETS, 1/3"th Specify CLEAR, \$1. SMOKED, \$1.25

LOUD BUZZER-HORN as used in smoke alarms; 2" dia x 1 1/2". 6 VDC, \$1.25 ea. 12 VDC, \$1.35 ea.

RECEIVER-TRANSMITTER CHASSIS, solid-state, broadcast band. \$2.00

SENTRY ALARM; buzzes when pin pulled. 2 1/2x3 1/2, 9v. \$1 3/4.

BRASS COUPLINGS for 3/8" dia. x 3/4" long shafts. 3 for \$1.00

MOBILE RADIO PLATE w/switch light, jack, 6" 10-cond. cable. Plate 3 1/2x3 1/2. \$1.00

LEATHERETTE INSTRUMENT CASE, 8 1/2x2 1/4, two sections. \$1.50 2/\$2.50

MIXED HARDWARE: screws, nuts, washers removed f/equip. Usable; 3 lbs. \$1.00

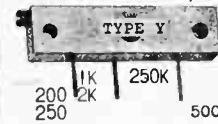
MAGNETIC ID HOLDER, 3 1/2x1 1/2; metal, clear slide cover, \$1. 2 for \$1.50

LEVEL METER, FS-150 UA, 3/8x7/8 face; o/a 1 1/2x3. \$1.00 3/\$2.00

SPEAKER, 3" dia. 8, 1 watt. Sampo SP024, nsw, \$1.00

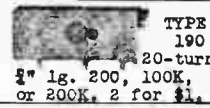
Cermet Trimmer

195/RJ12 CERMENT TRIMMERS 1 1/2" RECTILINEAR 23 TURN. 79¢ EACH. 2 FOR \$1.50



200 1K 250K 500

WESTON 840P plastic 3/8" sq. 3-pin on broadside; trimmer opposite. 50K/1 4/31



20-turn 1/2" lg. 200, 100K, or 200K. 2 for \$1.

CERMET and other manufacturers as available. TYPES 170 thru M176, 1/2" sq. 170-171 2/\$1. 172-M176 3/\$1. TYPE 170; metal, 3-pins on broadside: 100, 1K, 5K, 25K, 100K, 250K, 500K 171-T; metal top adj., 3-pin on thin side: 200, 250, 2000 500K, 1 MEG.

171-S; metal side adj.: 200, 5K, 10K, 100K, 250K, 500K, 1 MEG.

172; metal, wire leads: 100, 200, 1K, 2K, 5K, 25K, 50K, 100K, 250K, 500K, 1M.

M174; plastic, 3 pins on broadside: 100, 1K, 2K, 10K, 50K, 200K, 1 MEG.

M175; top adj., 3 pins thin side: 500K.

M176; wire leads: 1K, 500 K.

TYPE 165-T, 3/8" sq. plastic, top adj.: 100, 500, 2K, 250K, 500K, 1 MEG. 3 for \$1.00

165-S, 3/8" sq., side adj.: 50, 100, 200, 500, 2K, 5K, 250K, 500K, 3 for \$1.00

TYPE 385; metal, 11/32" dia., 3 pin short lead; 39¢, 3/\$1.00: 50, 100, 500K.

ARRL HANDBOOK 1978 RADIO AMATEUR'S HANDBOOK, nearly 700 pages of handy reference material; softbound. Last time around--Originally, \$3.50--then \$3.50; NOW, \$3.00

SWR INDICATOR CIRCUIT



STANDING-WAVE RATIO INDICATOR CIRCUIT, assemble a SWR meter using this 1 1/2" square 0-10 scale (FS=2 MA) meter with filters and rectifiers and a modified Schering bridge. One pair of bridge arms is resistive, the other capacitive. In theory the bridge circuit is balanced when the antenna is tuned to 52 ohms resistive resulting in a zero reading on the meter. SO-239 connector. Bridge: 2x2x4 1/2; 2 lbs. #M701/CU-991, \$8.95

PHASE AND LOAD DISCRIMINATOR, could be useful in tuning an antenna system, if used in circuit with a sensitive zero-center microammeter. Phasing and loading discriminator produces +DC voltages proportional to the reactance of a system. Phasing output shows the type of reactance (capacitive or inductive) and the loading indicates the amplitude of impedance referenced to 52 ohms resistive. In both cases zero DC output is ideal (may not be obtained in practical circuit). A third output is proportional to relative antenna current. 2x3x3; 2 lbs. sh #T201/CU-991 w/diag., \$4.95



INTRUSION

MALLORY INTRUSION ALARMS, hang on inside door knob and set sensitivity. Alarm sounds when outside door knob is touched. Works on capacitance discharge. Will not work with steel doors. 2 lbs sh. NEW. #DRS-AC, loud clacker, 1 1/2 VAC 60 Hz, \$8.95 #DRS-DC, w/Sonalert, 9 V battery req., \$9.95



MALLORY #SNP428 SONALERT, 4 to 28 VDC, 2900 Hz cont., 64-78 db. Snap-lock fit into 1.063 dia hole. 1 1/2x5/8" dia. Similar to picture-\$4.95

0.2 TO 30 MHZ SSB

G133 HF RECEIVER, 0.2 to 30 Mhz SSB, AM, & CW in thirty continuously tunable bands. Set



is a Collins 51S1 receiver repackaged by LTV-Temco for military airborne use. It has extended lower frequency range plus a jack for a 14-600 KHz tuner, AM BFO, and extra electronic filtering. Crystal check points every 100 KHz. Final IF 500 KHz. AM BFO variable from 485 to 515 KHz. Controls for CW-LSB-USB-AM, Rejection Tuning, and meter switch RF--10DBM-0DBM. Input impedance: 50 ohms. Audio output imped: 4 or 600 ohms. Matching phone patch imped: 500-600 ohms. With tubes 5/6EAB, 3/6BA6, 2/12AX7, 2/6136, 6CD6, 5670, 6BF5, and 6AK6. Requires 115/230 VAC 50-60 or 400 Hz; also 24 VDC 168 ma for the AM BFO only. 6 1/2x18 1/2x13; 40 lbs sh wt. Used, reparable, \$695.00; Checked, \$850.00. COLLINS 51S1 MANUAL, \$15 w/purchase of G133.

LANGUAGE LAB RECORDER



LANGUAGE LAB TAPE RECORDER, solid-state design; made by General Electronics Lab. Has three heads: one playback only master head on one track and the other two, playback and record on a second student track. Uses standard 1/2" audio tape on upto 7" reels at speeds 3 1/2 and 7 1/2 ips. In practice, one can monitor the master "instructor's" track while recording responses on the student track. The student track can be played back simultaneously or separately from the master track depending upon control selection. The master track, which plays in one direction only, can be recorded upon or erased by switching plug-in wires from the student track heads. Besides its original usage, the recorder could be useful for code practice of for sound-on-sound sound audio experimentation. Audio response approx. 300-8000 Hz. Controls for student and master volume, playback-practice select, pause, and the other standard recording functions. Also three motors for very rapid fast forward/rewind, audio level meter, footage counter, 4" built-in speaker, and four plug-in circuit cards for audio, master audio, student audio, and bias oscillator. Uses common 2N2836 and 2N3702 transistors. Tape and reels not included; microphone and schematic not available. Requires 115 VAC 60 Hz. 18x16 1/2x8; 32 lbs net, 40 lbs sh wt. Used, reparable, \$39.50; Checked, \$59.50

WEBCOR RECORDER



WEBCOR TAPE RECORDER, plays and records @ 3 1/2 or 7 1/2 ips; accepts upto 7" dia reels. Has standard features fast forward/rewind plus edit lever, footage counter, and 30-0-20 record level indicator. Also mic, bridge, and external speaker jacks, and built-in speaker. Monaural use only; 100-10000 Hz response @ 7 1/2 ips. Mic input impedance: 500K ohms. With tubes 12AU7, 12AX7, 6X4, 6BQ5, 6HU6, & 7025. Requires 115 VAC 50 Hz. 13 1/2x12 1/2x7; 32 lbs sh. Units checked for basic playback/record; may need further adjustments. Mic and reels not included. #WEBCOR-173B, used, \$39.95; MIC \$6 w/set purchase. MANUAL, partial repro, \$8.50

12 VDC 4 AMP SUPPLIES



STACO SOLID-STATE 4 AMP DC POWER SUPPLIES--NEW-- \$12.95 2/\$22. #RFS-4, filtered and regulated 13.8 VDC; 5x3x6 1/2, 7 lbs sh wt. \$18.95 ea. 2/\$35.00

BC & ARC COMMAND SETS

Even though they have been on the surplus market since the end of World War II, the Command Set Receivers and Transmitters are still popular with hams and experimenters. The series consists of either SCR-274N (BC-prefix) or AN/ARC-5 receivers (R-prefix) and transmitters (T-prefix).

As a group, the receivers cover 190 KHz to 9.1 Mhz and the transmitters 2.1 to 9.1 Mhz. Over the years many conversions have been written for the sets. However, the last comprehensive collection of such information, **CQ Surplus Conversion Handbook**, went out-of-print in 1979.

If you are interested but not familiar with the Command Sets, your best source for info about them may be an other ham. Schematics for any of the receivers and transmitters are available from us for \$1.50 each plus a SASE.

Command receivers are superheterodyne types which may be tuned by the use of a special spin knob or from a remote position with a control box and spline shaft. Each have six tubes: 3/12SK7, 12SK7, 12A6, and 12K8. They are designed to operate from a DM-32, a 24 VDC dynamotor with an output of 250 VDC 60 MA and 24 volts. Shipped less dynamotor. Size: 5x5x11, 15 lbs sh.

R-25/ARC-5, 1.5-3.0 Mhz, reconditioned, \$27.

Command transmitters with proper use can put out 50 watts CW and 30 watts phone. Modulation is obtained from either of two separate units, BC-456 for single tube modulation or MD-7 for push-pull. The 575-600 VDC 175-200 MA and 24 volt power requirements were originally satisfied by the 24 VDC DM-35 dynamotor which mounted on either modulator. The transmitters use a 1629 "eye" tube for tuning and crystal calibration plus tubes 2/1625 and 1626. Size: 5x7x12, 17 lbs. sh.

BC-457/T-20, 4 - 5.3 Mhz, reconditioned \$19.95
BC-458/T-21, 5.3 - 7 Mhz, " \$19.95

BC-456 MODULATOR for use with Command Transmitters; single tube modulation with tubes 1625, 12J5, 03S. Has provision for mounting DM-33 dynamotor. 7x8x10, 11 lbs. sh. Used \$12.95

PUSH-ON TUNING KNOB 1/Command Receivers, \$2.
DM-32 DYNAMOTOR, 24 VDC f/receivers, \$4.95
DM-32/12 DYNAMOTOR, 12 VDC f/receivers, \$6.
AC POWER SUPPLY f/Command Receivers w/speaker; our construction. Kit, \$22. Wired, \$27.
MC-215 FLEXIBLE SPLINE, 6', \$1.50

COMMAND SET RECEIVER & TRANSMITTER RACKS:
FT-233/MT-7A, for one receiver, \$2.50
FT-234/MT-69, for one transmitter, \$2.75
FT-226/MT-71, for two transmitters, \$3.25
FT-227/MT-70 SHOCKMOUNT for FT-226, \$2.50
MD-7/ARC-5 MODULATOR, similar to BC-456 described above except uses two 1625 tubes in push-pull for 40 to 60 watts. Used, \$20.00

R-10/ARC BROADCAST BAND RECEIVER, like R-19 listed below but 520-1500 KHz AM, \$22.95

R-19/ARC AIRCRAFT RECEIVER, 116 to 148 Mhz continuously tuneable. No dial; designed for remote tuning with spline shaft. 1F-15 Mhz. With tubes 9002, 3/9003, 14A7, 2/14R7, 14F7, and 12A6. Uses accessories similar to ARC-5 Series. Requires 250 VDC 60 ma and 24 VDC. 6x15x11 1/2; 13 lbs. sh. Used, \$18.95

R-11A RECEIVER, 190-550 KHz. Similar to R-19 but has 85 KHz IF and tubes 2/14A7, 14S7, 14R7, 14F7, and 12A6. Used, \$12.95

R-22 BROADCAST BAND RECEIVER, 550-1500 KHz. Similar to R-11. Used, \$24.95

ARC-39 RECEIVER-TRANSMITTER



RT-427/ARC-39 RECEIVER-TRANSMITTER, REPLACES COMMAND SETS; COVERS 2.0 TO 9.1 Mhz IN TWO BANDS; SIX CRYSTAL-CONTROLLED FREQUENCIES PER BAND. RF OUTPUT: 10 WATTS MIN. INTO 10 OHM LOAD (100/PF). 100% AMPLITUDE MODULATION; AUDIO OUTPUT: 200 MW WITH 1000 UV 30% MODULATED INPUT; 800 MW MAX. BANDWIDTH: 8 KHz @ 6 DB DOWN. METER INDICATES RELATIVE RF OUTPUT TO THE ANTENNA. WITH TUBES 0B2, 2/12A7T, 4/5749, 5750, 3/5686, 4/5814, & 3/6159. POWER REQUIRED: 28 VDC 4.4 AMPS WHEN RECEIVING; 8.5 AMPS TRANSMITTING. SIZE: 7x10x2 1/2; SMPG. WT: 42 LBS. PRICE: USED, \$49.50

MANUAL FOR RT-427/ARC-39, REPRODUCTION, \$10.

225-400 Mhz RECEIVER



AM-914/TRC AMPLIFIER-CONVERTER, originally used with military R-417 receiver as plug-in for the 225-400 Mhz range. Continuous tuning of RF and oscillator; 30 Mhz I.F. Unit has conversion possibilities as

discussed in R. Grove's article in 10/80 issue of CQ magazine. With tubes 5670 and 4/674. 7x6x9 1/2, 17 lbs sh. Used, \$34.95

Other AMPLIFIER-CONVERTERS, similar to above:

AM-1179/TRC, 50 to 100 Mhz, \$39.50

AM-1177/TRC, 400 to 600 Mhz, \$44.50

AM-3202A/TRC, 1.35 to 1.875 Ghz, \$54.50



AM-915/GRC AMPLIFIER-MULTIPLIER, used in T-302 transmitter for 225-400 Mhz FM range. 120 watts output from two 4X150's. 12x6x14, 45 lbs. Used \$55.

AM-1180/GRC, 50-100 Mhz, one 4X150A, \$49.50

AM-2537/TRC, 790-915 & 840-925 Mhz, \$59.50

AM-3204A/TRC, covers 1.3 to 1.875 Ghz using oscillators listed below; 5/3CX100A5, \$75.

Oscillators for AM-3204A, \$20.00 each:

0-902A (1.3-1.525 Ghz), 0-903A (1.525-1.7 Ghz); 0-904A (1.7-1.875 Ghz).

SCR-522 RECEIVER-TRANSMITTER AM CRYSTAL CONTROL, 30 WATT, 4 CHANNEL ON ANY FREQ. IN THE 100-156 MC RANGE. TUBES TRANS. 2/832, 6SS7, 3/12A6, 6G6 REC. 1/9002, 9003, 12C6, 12H6, 3/12SG7, 12A6 & 2/12A7.

UNITS CAN BE REMOVED FROM CABINET CASE SEPARATELY. REQUIRES POWER SUPPLY. SIZE: 16x12x10 1/2; WT: 50 LBS. RE-COND \$34.95 CONNECTOR PLUGS \$1.50 EA. OTHER ITEMS AVAILAB.



H-77/ARC-3 VHF RECEIVER A.M. 100-156 MC. CRYSTAL CONTROL ON 8 PRE-SET CHAN. WITH TUBES 6/6AK5, 3/12SG7, 2/12SN7, 1 EA. 9001, 9002, 12A6, 12H6, 12SL7 & 12SH7. VOLTAGE REQ. 24 VDC & 210 VDC @ 210 MA.

SIZE: 11x7x15; WT: 21 LBS. USED \$24.50

R-5009/ARC-502 SIMILAR TO ARC-3 EXCEPT MADE FOR CANADA. (WE WILL SHIP WHAT IS AVAILABLE)

T-67/ARC-3 TRANSMITTER A.M. 100-156 MC, 8 CHAN. PRESET, CRYSTAL CONTROL. WITH TUBES 2/832, 2/6L6

3/6V6, 1/6J5 & 1/12SH7. VOLTAGE REQ. 24 VDC & 410 VDC @ 325 MA.

SIZE: 15x10x12 1/2; WT: 22 LBS. USED \$24.95

CONNECTOR PLUGS \$1.50 OTHER ITEMS AVAILABLE.

R-445/ARN-30 RECEIVER, 108-135 Mhz, similar to R-19/ARC in other respects, used \$19.95

CV-431/ARC TRANSVERTER, converts 228-258 Mhz to 118-148 Mhz; transmits 228-258 Mhz on 8 xtal channels. Used w/R-19. Re-newed, \$16.

R-89/ARN-5A GLIDE-PATH RECEIVER, channels 332.6, 333.8, & 335.0 Mhz; 10 tubes, \$10.95

R-122/ARN-12 MARKER BEACON, 75 Mhz fixed, \$12

BC-473 REMOTE TUNING CONTROL for tuning Command Sets from remote position or for direct tuning of receivers R-11, R-19, or R-22 by using right angle spline adapter. Dial shows 190-550 KC, but you can change to your needs. Use for tuning only or wire to receiver for volume control and function select. 4x3x2, 2 lbs.

With right angle adapter, unused, \$7.95



R-101/ARN-6 RADIO COMMAND-PASS RECEIVER, 100-1750 KC IN FOUR BANDS WITH TUBES 6/12SK7, 4/12SK7, 2/26A7, 2/2050, 1/12SY7 & 1/12SX7. POWER REQUIRED 24-28 VDC. SIZE: 11x7x15 1/2; 40 LBS PRICE: USED \$39.50

AS-313/ARN-6 LOOP ANTENNA USED \$7.95
1D-91/ARN-6 INDICATOR 3" NEW 8.95
PD-5/ARA-19 TUNING DRIVE USED 9.95
AM-203B/ARA-19 AMPLIFIER NEW 8.95
C-149/ARN-6 CONTROL PANEL, USED, \$9.95
MC-124 FLEX. TUNING SHAFT 20 IN. USED 1.50
MC-203 "T" ADAPTER USED 1.50
MC-136 RIGHT ANGLE ADAPTER USED 2.00



CU-308B/U ANTENNA COUPLER; USES CATHODE FOLLOWER TO COUPLE SINGLE ANTENNA WITH THREE RECEIVERS IN THE 2 TO 24 Mhz RANGE. INCLUDES THREE 24 VDC 500 OHM SPST RELAYS, 4/5906 TUBES, AND FOUR BNC CHASSIS CONNECTORS. POWER REQUIRED: 24 VDC 180 MA. 5x3x3 1/2; WT: 4 LBS. UNUSED, \$9.95



R-518/FRR-27 RECEIVER, SINGLE-CHANNEL CRYSTAL-CONTROLLED RECEPTION OF AM OR TONE SIGNALS IN THE

100 TO 156 Mhz. RANGE. DOUBLE CONVERSION DESIGN WITH IF'S OF 23 Mhz AND 3 Mhz. AUDIO OUTPUT: 1.5 WATTS INTO 200-600 OHMS, 15 MW PHONE. ANTENNA INPUT: 50 OHMS UNBALANCED. WITH SQUELCH AND TUBES 3/12A7T, 2/6AU6, 5654 2/6AV6, & 6005. POWER REQUIRED: 115 VAC 60-60 HZ. SIZE: 19x6x18 1/2; 45 LBS. USED, \$45.00

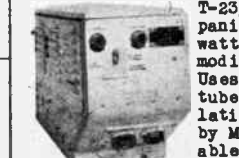
COLLINS 250 KHZ I.F. 250 KHz IF ASSEMBLY from Collins 618S-1 transceiver. Has 250 KHz mechanical filter with 6.7 KHz width and tubes 3/5749 and 2/5726. 4x6x3 1/2, 3 lbs sh wt. #IF250-67/618S1, used, \$12.95

250 KHz IF ASSEMBLY from RT-311/ARC-38 transceiver. Similar to above but with two mechanical filters--one 2 KHz width, the other 8.5 KHz. #IF250/ARC38 \$24.95

250 KHZ CRYSTAL OSCILLATOR from Collins 618S1. Has 250 KHz BFO oscillator coil, crystal oven with CR-46 250 KHz crystal, and 2/5749 tubes. 4x6x1 1/2, 2 lbs sh. #OSC-250/618S1, \$6.95

VHF ARC-5 EQUIPMENT R-28/ARC-5 100 to 156 Mhz RECEIVER, crystal-controlled on four preset channels. Crystals inserted behind front access door which also conceals frequency dial and squelch adjust. Channel selection done by separate control box C-30/ARC-5. With tubes 4/717, 3/12SH7

2/12SL7, end 12A6. Requires 24 VDC for relay and selector motor, 250 VDC 60 MA HV. DM-32 may be used for HV. 14x7x4 1/2, 16 lbs. \$18.95 SCHEMATIC for R-28 or T-23/ARC-5, \$1.50 ea.



T-23/ARC-5 TRANSMITTER, companion to the R-28, has 10 watt output, though can be modified for higher rating. Uses two 632 and two 1625 tubes. Audio power for modulating originally supplied by MD-7 modulator (not available). Frequency channel selection made by separate C-30 control unit. Requires 24 VDC for relays and selector; 600 VDC 175 MA for HV. Size: 15x8x5 1/2; 18 lbs. sh. Gov't. reconditioned \$25. C-30/ARC-5 CONTROL BOX for above, \$3.00

ALTIMETER TRANSCEIVER



RT-7/APN-1 ALTIMETER TRANSCEIVER, 418 to 462 MHz FM; ABSOLUTE READINGS TO 4000 FEET. CAN BE CONVERTED FOR OTHER USES. UNIT CONTAINS OSCILLATOR, DYNAMOTOR, AND TUBES 2/955, 2/900A, 3/12S37, 4/12SH7, 2/12H6, AND OD3. POWER REQUIRED: 27 VDC 3 AMPS. SIZE: 8 1/2"x18"x8; SH WT: 25 LBS UNUSED, \$18.95; MANUAL, NO SCHEMATIC, \$3.00 SHOCKMOUNT ASSEMBLY FOR APN-1, \$2.00

ID-14A/APN-1 RADIO ALTITUDE INDICATOR USED WITH RT-7. 2 1/2" DIA. METER HAS SWITCHABLE SCALES 0-400 FT. AND 400-4000 FT. ON-OFF SWITCH. FS-6 MADC. UNUSED, \$3.95



SA-1/ARN-1 ALTITUDE LIMITER SWITCH USED WITH RT-7 AND ID-14A IN COMBINATION WITH AN AUTOPILOT SYSTEM. ALTITUDE LIMIT SET FROM 50 FT. TO 300 FT. IN 25' STEPS; X 10 MULTIPLIER FOR HIGHER ALTITUDES. DESIGNED TO SIGNAL WHEN MIN. AND MAX. LIMITS ARE EXCEEDED. 3" DIA. UNUSED, \$2.95



1.5-32 MHZ MINI AMP



BROADBAND 1.5 to 32 Mhz MINIATURE AMPLIFIER, Aiken Industries model #AMP-1200-6. Operates from 24 VDC and has internal voltage regulator. Utilizes four transistors, complementary pairs 2/PT4599 (2N-4428) and 2/2N5160 in push-pull. Specific data not known but similar amplifiers are known for flat gain, low noise, etc. Gain approx 10 db. Requires two sub-mini coax connectors for input and output. 5x3x1 3/8; 2 lbs sh wt. #AMP-1200-6, unused, \$16.95

OSCILLATOR

TRANSISTORIZED CRYSTAL OSCILLATOR and BUFFER, 56 to 99 Mhz with 75 C temperature controlled oven. Requires 5th overtone HC-6 (20 pf) xtal (not incld). Has external oscillator input and tuning meter and oven output. Requires 12-18 VDC reg. for osc., 22-39 VDC 1 amp for heater. W/BNC and two submini 27 (UG-1465) connectors, power input DEC 9P connector, and schematic. 6x2x3 1/2, #OSC99828, \$10.



DAV WALKIE-TALKIE



DAV-2 PORTABLE TRANSCEIVER with direction-finder circuit; operates on single channel between 2.3 and 4.5 Mhz @ 200 MW. Has controls for receive, transmit, and sense. Also water-tight C.D. plywood case, JK-26 phone jack, connection for T-45 mic, FT-243 crystal (no frequency choice), book, and tubes 3/334, 2/1T4, 1R5, and 135. Requires 67.5 VDC 3 ma, 135 VDC 19 ma, 6 VDC 30 ma, and 1.5 VDC 225 ma. Size: 10 1/2"x3 1/2"x10, 8 lbs sh wt. Used, \$10.95
We will try to ship matched frequency pairs when two or more DAV's are ordered.

ACCESSORIES which can be used with DAV-2: T-45 LIP MIC or T-30 THROAT MIC, unused, \$3. CCI-49559 HEADSET ASSEMBLY consisting of cloth helmet with headphones, unused, \$4.95 H-62 HEADSET, used, \$4.95 CW-51071 LIP MIC, used w/H-62; unused, \$3.00 CCI-66081 ANTENNA, seven section 15"-65" collapsible-telescoping, \$1.50 w/DAV purch.



MAB PORTABLE TRANSCEIVER CHASSIS, originally designed to operate between 2.3 and 4.5 Mhz on a single channel; 200 MW output. In waterproof black plastic case; mic and headset out-off and not available. W/tubes 3/334, 2/1T4, 1R5 and 135. Requires 67.5 VDC 3 ma, 135 VDC 19 ma, 1.5 VDC 225 ma, 6 VDC 30 ma. Size: 8 1/2"x2 1/2"x7 1/2; 8 lbs. sh. Unused, w/book, \$6.95

RADIO TELEPHONE LINK



AN/TRC-47 RADIO TELEPHONE LINK, connects radio voice communications to two-line telephone systems. Consists of transmitter, receiver, and signal converter sections. Operates on a single crystal-controlled channel in the 132-150 Mhz band Carrier output: 7 watts. Converter changes 20 Hz ringing signal into a radio transmittable 800 Hz signal and vice versa. Used in pairs, the sets can establish links up to three miles apart. With built-in speaker, tuning meter, and tubes 3/OA2, 3/OE2, 2E26, 5R4, 4/6AK5, 2/6AK6, 6A25, 6A26, 6A25, 2/6BA5, 2/6AT6, 2/6L6, 3/6X4, 4/12AT7, 2/12AU7, 2/12AX7, and 5763. Power required: 115/230 VAC 50-400 Hz. 2 1/2x14 1/2x22 1/2; 100 lbs. sh. Used, repairable, \$40.

RADIOSONDE

AN/AMT-4A RADIOSONDE: CONSISTING OF THE T-304A TRANSMITTER & MD-147C MODULATOR. TRANS. IS A.M., 1680 MHZ AND THE MODULATOR CONTAINS THE PRESSURE SENSITIVE ELEMENT OR ANEROID, TEMPERATURE ELE. HUMIDITY ELEMENT AND A COMPUTATOR, SERVES AS A SWITCHING ARRANGEMENT FOR THE DIFFERENT SERVICES WHICH IS TRANSMITTED BY THE RADIOSONDE THAT IS TAKEN UP BY A METEOROLOGICAL BALLON. ALSO USED FOR TRACKING WIND DIRECTION. WITH TUBES 5794 AND 5875. BATT. VOLTAGE REQ. 1.5, 6 & 115 VDC. WT: LESS BATT. 1 1/2 LBS. (613 GRAMS.) PRICES: MODULATOR ONLY LESS HUMIDITY AND SENSITIVE ELEMENTS \$3 TRANSMITTER ONLY \$4.95



RT-380/AR RECEIVER-TRANSMITTER 2 TO 18.5 MC C.W. PHONE, 100 WATT TRANS. AM CRYSTAL CONTROL ON 10 PRE SELECTED FREQ. RECEIVER 50 MW MIN. INTO 600 OHM LOAD. WITH TUBES 1/813, 2/811, 1/1625, 1/6AG7, 1/6V6, 1/12BE6, 2/12AU7, 2/12AL5, 2/28D7 & 4/6BA6. POWER REQUIRED 400 VDC @ 750 MA. 750 VDC @ 350 MA. AND 27 VDC FOR RELAY AC FOR FILAMENTS. (SAME VOLTAGES AS ART-13) (SIMILAR TO COLLINS 185A) SIZE: 15 1/2"x7 1/2"x23 1/2; WT: 70 LBS. LESS CRYSTALS PRICE: USED LESS DYNAMOTOR \$49.50

R-1/ARR-1 HOMING RECEIVER ADAPTER, converts 234-258 Mhz input signal to 540-850 Khz output. Input and output impedances: 50 ohms. W/ tuning dial, ant. trim, and 4/954 tubes. Unit has conversion possibilities. Req 12/24 VDC 280/140 ma, 220 VDC 10 ma. 3 1/2"x12 1/2", 6 lbs. Damaged RF capacitor, used "as-is", \$7.50



KB9-A 16 MM MOVIE CAMERA USED TO RECORD STRIKES BY THE MILITARY. HAS 35 MM, F3.5 KODAK EKTAR LENS; VARIABLE APERTURE FROM F3.5 TO F16. FILM SPEED: 32 FRAMES PER SECOND. FILM CAPACITY: 35 FT 16 MM FILM. CAN BE ACUTATED BY REMOTE CONTROL. POWER REQUIRED: 27 VDC FOR DRIVE MOTOR AND HEATER. RED AND YELLOW FILTERS INCLD. SIZE: 7x2 1/2x2 1/2 SHPG. WT: 5 LBS. PRICE: NEW \$34.95

127.4 MHZ AM RECEIVER

RC-3A FILLED FREQUENCY RECEIVER, 127.4 Mhz AM. Compact unit sealed in rugged plastic utilizes seven transistors and a CA3018 integrated circuit. Approx. IF: 20 Mhz. Approx. crystal injection freq: 18 Mhz. Power required: 9 VDC 20 ma. Compartment for two 9 V. transistor radio batteries. Audio impedance: about 2000 ohms; male MB connector. Circuit board (3 1/2"x2 1/2") is not potted. A few careful cuts with hacksaw allows removal for conversion. With 23" ribbon antenna and canvas bag. Size: 5 1/2"x1 1/2"x3, 3 lbs. sh. Unused, w/cutting diagram, \$14.95



EQUIPMENT RACKS



STANDARD 19" RACK EQUIPMENT CABINETS w/rear doors; steel, 185 lbs. Used.
#MAG-19-70, o/a 22"Wx70"Hx22"D for panel 19"x8 1/2"x20"; with wheels and grey finish. Some have base extended 9" for added stability. \$70.00
#2MAG-19-70 DOUBLE CABINET, o/a 43 1/2"Wx70"Hx22"D, as above but two 19x8 1/2x20 pls. \$110.
#FAA-19-76 RACK, o/a 21 1/2"Wx76"Hx21 1/2"D; for panel 19x6 1/2x20. No wheels, green-grey. \$75.
#OE-19-84 RACK, o/a 21 1/2"Wx84"Hx22"D f/panel 19x8 1/2x20; 2-rack braces only, no wheels \$65

ENCLOSURES



MS-5373 CABINET, rear entry type f/8"H panel; o/a 19 1/2"x19 1/2", \$16.
Stk # W x H x D Panel Door Lbs COND PRICE
1313/60 19x13x13 12 top 35 Used \$10.
CY-1693 22x16 1/2x14 14 top 35 Unused \$26.
1222/173 22x12 1/2x20 10 top 35 Used \$35.
(#1222/173 fits R-388, R-390A, & SP-600.)

TRANSIT CASES

TS-382 TRANSIT CASE, o/a 15x19x13 1/2; usable space without removal of spacers 10x18 1/2x12 1/2. Not hinged; hasp fasteners. Aluminum; 35 lbs. Used, \$12.00
CY-246/UPM-33H ALUMINUM TRANSIT CASE with hinged cover. Usable space in two compartments: 13 1/2x11D and 9x10D. Overall: 25 1/2"Wx13 1/2"Dx19 1/2"H. 49 lbs sh. Used, \$12.00
CY-246/UPM-33W, same as above but not hinged; hasp fasteners. Wood and aluminum. Used \$10.



CY693/PDR-27 ALUMINUM CASE, four compartments: 3 1/2x4, 7 1/2x4, 1 1/2x4, and 13x6 1/2; may be removed for 13x10 1/2 size 9" deep. Hasp fasteners; may need repainting. 12 lbs. Used, \$6.00

FIBERGLASS CASE with hasp fasteners (not hinged). O/A 14 1/2x14 1/2x9 1/2; usable 12x12x6 without removing spacers. 10 lbs. Used \$5.

CY-1298 SPARE TUBES CASE w/hasp fasteners. Removable insert has space for 1/7-pin and 2/9-pin mini and one "GT" tube. O/A 4 1/2x10x3 1/2, 4 lbs sh. Used, \$3.50

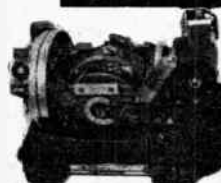


SPERRY BOMBSIGHT



SPERRY S-1 BOMBSIGHT, AN AIR-TO-GROUND MECHANICAL SIGHTING COMPUTER AS USED IN WWII AND LATER U.S. BOMBERS. UNIT IS AN EXCELLENT SOURCE FOR PRECISION GEARS, CAMS, AND SIMILAR CONTROL DEVICES. INCLUDES 28 VDC SPERRY GYROSCOPE; LENS; PRISM VIEWING SYSTEM WITH MIRROR LOCK AND POLAROID, CLEAR, BLUE, AND ORANGE FILTERS; AND TIMER WITH VERNIER MARKED "TIME OF FALL/SECONDS." ALSO CONTROLS FOR 0-80° SIGHTING ANGLE; 30° L-0-30° R DRIFT ANGLE; 0-400 TRAIL/MILS; AND BUBBLE LEVELER. SIZE: 21"Wx12"Hx18"D; SH WT: 100 LBS. IN TRANSIT CASE; 65 LBS. NET. \$100.

GYROSCOPE ASSEMBLY



HONEYWELL VERTICAL GYRO ASSEMBLY #JG-7044N-2, single pitch and roll gyro with 400 Hz motors, mercury switches, etc. Gimbal freedom: ±360° (outer axis, longitudinal), ±85° (inner axis, transversal). Erection rate (2-6°) min. Also 400 Hz 1/8 motors 2 1/2 V (torque), 115 V (caging solenoid), and 115 V 21,000 RPM (power motor) Ptok-up pots: 5.5K-ohm 455° (roll), 11K ohm ±95° (pitch). Angular momentum: 6.33x10^6 gm cm^2/sec. Unit has "line of flight" monitors for normal loft or alternate O/S. 7 1/2"x9 1/2"; 8 lbs net, 12 lbs sh. Used, \$35.00

U, H, F, RECEIVER



R-48/TRC-8 RECEIVER
1.0. 230 TO 250 MC.
ONE BAND VARIABLE
TUNING, VOLTAGE RE-
QUIRED 115/230 60 CYC.
WITH SPEAKER, PHONE
JACK, SQUELCH CIRCUIT
2" METER FOR CIRCUIT
CHECKING. WITH TUBES 8/6AG7, 1/9002, 1/5U4, 1/
6V6, 1/VR-150, 1/6N7, 1/6SN7, 1/6AL7. SIZE: 20x
19x16; WT: 75 LBS. USED \$45.00

MN-26K RADIO COMPASS



BENDIX MN 26K RADIO COMPASS, USED WITH AIR NAVIGATION EQUIPMENT AS ORIENTATION FINDER OR GENERAL RECEIVER. COVERS 200 TO 1750 KHz IN BANDS (200-410), (410-850), & (850-1750 KHz). TUNE DIRECT OR REMOTELY WITH SPLINE SHAFT AND CONTROL BOX. REQUIRES 230 V. 100 MA AND 28 VDC. W/TUBES 6F6, 6R8, 2/6J5, 2/6N7 AND 5/6K7. CONVERSION INFO INCLD. 17x11x12; 45 LBS. USED, LESS DYNAMOTOR, \$16.95

MN-28LB CONTROL BOX F/MN-26LB REC. SOME DIAL NUMBER CHANGE REQ. FOR USE WITH MN-26K \$3.95
MC-124 FLEXIBLE SHAFT F/MN-26 20" 1.5C
MC-127 SPIN TUNING KNOB FOR REC. 1.5C
MC-203 "T" ADAPTER FOR SHAFT & KNOB USE 1.5C
MN-26 MANUAL FOR MODELS A, C, M, W, Y, X (BASICALLY SAME AS "K" & OTHERS. 5.0C

WW II VEHICLE RADIO



BC-659 TRANSCEIVER as used in World War II military vehicular communications; transmits and receives on two preset channels in the 27.0 to 38.9 Mhz FM range. Transmitter output: 1.3 W.

Set has tuning meter, speaker, and tubes 5/1L6, 2/3B7, 4/3D6, 1LH4, 1L6, and 1R4. Uses FT-241 crystal-type (not included) and requires 1.5 VDC 0.94 amp, 90 VDC 48 ma, 7.5 VDC 300 ma, and 150 VDC 50 ma. Size: 12x16x21; 40 lbs. sh. Used, not checked, \$45.00

PE-120 VIBRATOR POWER SUPPLY, provides voltages for BC-659 from 6, 12, or 24 VDC depending upon vibrator used. Shipped with 6 VDC (VB-12) vibrator. Unit fastens to bottom of BC-659. 9x16x19, 39 lbs sh. Used, \$17.50; 12 V vibrator, \$3.95; 24 VDC vibrator not available.

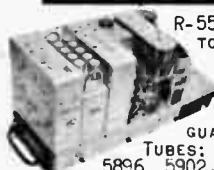


CS-79 BATTERY CASE for manpack use of BC-659 6x15x18, 17 lbs sh wt. Used, \$6.00
SCR-609/610 MANUAL, \$5.00
AN-29 WHIP ANTENNA, extends 154", used, \$10.
TM-218 TERMINAL BOX for MP-48, \$4.95
TS-13 HANDSET, \$10.00 with purchase of set.
T-17 MICROPHONE, used, \$6.95; second, \$9.00

CRYSTAL CALIBRATOR, utilizes 100 KHz crystal to generate harmonics in three ranges: 10 KHz, 100 KHz, and 1000 KHz. Works from 1-30 Mhz on 1000 KHz, 100 KHz-10.5 Mhz on 100 KHz, and 10 KHz-10 Mhz on 10 KHz. Designed for use with Canadian No. 19 Mark III receiver-transmitter. Has three 12SC7 tubes; requires 12 VDC 500 ma, 265 VDC 2.5 ma. 2x9x14, 7 lbs sh. Used, \$12.95



20 CHANNEL RECEIVER



R-550/ARR-40 VHF RECEIVER 265 TO 284.9 MHz IN 20 CHANNELS. GUARD CHANNEL 243.0 MHz. ONE MEGAHERTZ CHANNEL SPACING. RECEIVER MODULES AUDIO, 1.85 MHz IF, IF AND GUARD, RF AND INJECTION UNIT. TUBES: 7/6201, 8/5840, 3/6AK5, 2/5896, 5902. POWER REQUIRED: 28VDC, 130V 140MA, 220V 20MA. SIZE 12x4x6. SH WT 15 LBS. W/COVER, SCHEMATIC; USED, \$19.95
28 VOLT DYNAMOTOR FOR R-550 WT 5 LBS \$4.95

VHF RECEIVER



BC-639 RECEIVER, 100 to 156 Mhz continuously tunable over a single band. Controls for CW, tone, AVC-Manual, RF and Audio Gain, Attenuation, and Sensitivity. With tuning meter, phone jacks, and tubes 3/9003, 9002, 4/6SG7, 6SQ7, and 6K6. Power required: 210 VDC 60 MA and 6.3 VAC 3.5 amps. Size: 10x19x10, 48 lbs sh. Used, repairable, \$30. Checked, \$60.

115 VAC 60 Hz POWER SUPPLY for BC-639; with speaker. Our construction, \$28.00
CONNECTOR only for receiver, \$3.00
MANUAL 7/BC-639, partial reproduction, \$8.50

LF RECEIVER



BC-1003 LOW FREQUENCY RECEIVER & DIRECTION FINDER, covers 100 to 1000 KHz in three bands: 100-200, 200-450, and 450-1000 KHz AM and CW. Designed for use as direction finder with LP-33 (not available) loop antenna as pictured. Usable as LF receiver without the loop.

Has dual needle direction indicator which functions as a tuning meter when loop is not used. Kilocycle tuning dial has coarse and fine adjust. Volume balance, BFO, AVC-MVC controls. Antenna trimmers on front for freq. bands. With tubes 6/12SG7, 2/12SA7, 2/12CB, 12A6, and 12SJ7. Power required: 230 VDC 100 ma and 12 VDC 3 amps. Size: 8x12x14 (receiver only). Sh wt: 48 lbs.
BC-1003, no loop, unused, \$75.00
MANUAL for BC-1003, partial repro., \$8.50
PE-133 12 VDC DYNAMOTOR for BC-1003, \$10.00
AC POWER SUPPLY, our construction, \$23.00

44-50 GHZ TRANSCEIVER



RT-252/TRC-27 MICROWAVE TRANSCEIVER, 4400-5000 Mhz pulse-position modulated, continuously tunable. Converts video channel pulses into RF for transmission and receives RF and converts it back into video pulse. Receiver IF: 6C Mhz; 10 Mhz bandwidth. Noise figure: 13 db. Has AGC and AFC. Transmitter uses video amplification and plate modulation of planar triode type RF oscillator. With tubes 2K22 klystron, 6280 planar triode, 13/5654, 5670, 5726, 5727, 5814, 2/12AT7, 2/6X4, 6AU6, 3/0A2, 5933, and 3/6AQ5. Power required: 115 VAC 400 Hz. Size: 14x25x11, 75 lbs. sh. Used, not checked, \$150. Schematic, \$5.00



1-152(*) INDICATOR; USEC WITH BC-788 ALTIMETER FOR INDICATING HEIGHT OVER TERRAIN IN AIRCRAFT WITH 30PI CATHODE RAY TUBE (SAME SOCKET/SHIELD AS 38PI TUBE AND OTHER TYPES) ALSO TUBES 3/6AG5 AND 2X2. HAS R.F. CIRCUIT POTENTIOMETERS, 115 V. 400 CYCLE POWER

SUPPLY ET. (WILL MAKE GOOD FOUNDATION FOR A MONITOR) SIZE: 6x6x12; WT: 9 LBS. PRICE: USED \$8.95 SCHEMATIC \$1.00

ARR 58 FM RECEIVER

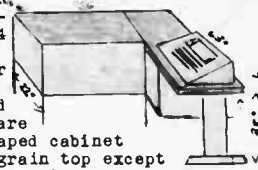
R-863 ARR-58 RECEIVER, FM 162.25 TO 173.5 Mhz. DESIGNED TO RECEIVE SONOBOY SIGNALS ON 16 PRESET CHANNELS. IF=30 Mhz. INPUT IMPEDANCE: 52 OHMS. MORE RECENT VERSION OF THE R-316/ARR-26 RECEIVER. CONVERSION INFO FOR R-316 TO 145-175 Mhz PLUS AUDIO, SQUELCH, AND 115 VAC 60 Hz POWER MODIFICATION INFO INCLUDED. WITH TUBES 7/6AK5, 2/6AS6, 2/6AL5, 6J6, AND 5814. POWER REQUIRED: 150 VDC 125 MA AND 6.3 VAC. SIZE: 5x8x17, WT: 20 LBS. USED, \$19.95



AN/GRC-10 RADIO SET, includes R-125 receiver, T-235 xmitter, DY-94 AC power supply, C-632 control, & mount; 54-70.9 Mhz FM. Used, \$200.

COMMUNICATIONS CENTER

COMMUNICATIONS CENTER, includes ASR-33 teletypewriter, Tally 464 paper tape reader, Honeywell optical bar code reader, logic chassis assembly, and power supplies. All are contained in an L-shaped cabinet with simulated wood-grain top except for the teletypewriter which sits on the desk top. System has automatic send-receive and features a teletypewriter which has a paper punch and operates at 100 words/minute, 600 operations/second. Utilizes ASCII code with parity bit and prints on 8 1/2" friction-fed paper. Teletypewriter is made by Teletype Corp.

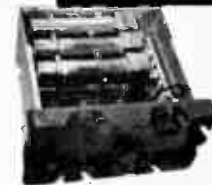


and is the same as their Model ASR-33 except that the standard ASR-33 control module is eliminated and its functions incorporated into the system's logic chassis. Consoles are removed from service, appear complete, but are not operationally checked; with manuals. 550 lbs sh. \$525.00 or \$450.00 you pick-up.
ASR-33 TELETYPEWRITER only, as described in the above system, 85 lbs sh., \$375.00 (Loop and control kit allowing stand-alone operation of this ASR-33 available from another source. Write for more information.)



KSR-33 TELETYPEWRITER AND KEYBOARD, CAN BE ADAPTED FOR VARIOUS RTTY AND COMPUTER APPLICATIONS. SPEED: 100 WORDS PER MINUTE; 600 OPERATIONS PER SECOND. HAS THE FOLLOWING FUNCTIONS: CARRIAGE RETURN, LINE FEED, SPACE, AND SHIFT. UTILIZES ASC-II CODE WITH PARITY BIT. TAKES 8 1/2" SPROCKET-FEED PAPER. THIS IS A STANDBY ITEM; PARTS ARE AVAILABLE FROM A NUMBER OF SOURCES. POWER REQUIRED: 115 VAC 60 Hz. SIZE: 8x18x18; 8MPS. WT: 50 LBS. USED, OPERATIONAL, BUT MAY REQUIRE SOME ADJUSTMENT. LESS COVER, \$250. \$185.00

BANDPASS FILTER



F-237/GRC BANDPASS FILTER, designed to operate from 54 to 70.9 Mhz using dial tuning. Bandwidth: 250 KHz @ 3 db points or 4.5 Mhz @ 40 db points. 50 ohm output and input impedance. Unit consists of a 3-gang variable capacitor coupled to 3 sets of three sealed cavities. Type C connections. F-237 has conversion possibilities for 6- and 2-meter amateur applications. An article about these by W. Tucker, W4FXE, appeared in L2/80 issue of Ham Radio. 5x11x11, 17 lbs. \$19.95



BANDPASS FILTERS, gold-plated twin-tuned cavities designed originally for use with R-417/TRC-24 receiver. Conversions by W4FXE of these units for amateur usage appeared in 3/80 Ham Radio Magazine. Each filter has tuning controls and type N connections. O/A 6x2x2 1/2, 7 lbs sh. Unused, \$17.50

No.	FREQUENCY	CONVERSION
F-195/U	163-184 Mhz	220-225 Mhz
F-196/U	184-205 "	220-225 "
F-202/U	314-344 "	420-450 "

Other filters, used only @ \$12.95 each:		
F-199/U	224-254 Mhz	F-203/U 334-374 Mhz
F-200/U	254-284 "	F-204/U 374-404 "
F-201/U	284-314 "	

0.5 - 32 MHZ RECEIVER



R 390A/URR RECEIVER, covers 0.5 to 32 Mhz in 32 one Mhz bands read directly from a counter-type indicator. Mechanical filters. Triple conversion: 1st IF variable 17.4-25 Mhz; 2nd, 3-2 Mhz; 3rd, fixed 455 KHz. Receives CW, MCW, and voice; also single sideband and FSK through use of BFO. Built-in crystal calibrator every 100 KHz. Output impedance: 60C ohms. Antenna input imped: 135 ohms balanced. Rackmount, no covers. 115/230 VAC 60 Hz. Size: 10x19x16 1/2; 95 lbs. sh.

USED, REPARABLE, CHECKED, \$450.00
MANUAL, \$12.00 **\$295.**

TA-1/PT TELEPHONE



SOUNDOPOWERED TELEPHONE SET WITH AUDIBLE AND VISUAL CALL SYSTEM. PALM OPERATED GENERATOR PUTS OUT APPROX. 100 V. THAT SOUNDS BUZZER IN OTHER PHONE AND ACTUATES VISUAL INDICATOR. COILED CORD WITH PUSH TYPE BINDING POSTS FOR INTERCONNECTING WIRES TO BE FASTENED TO. COMES WITH FIBER CARRING CASE. SIZE: 8x3x3 3/8; WT: ACT 2LB USED \$25.00 EACH



TA-43/PT TELEPHONE SET IS A RUGGED LIGHTWEIGHT, WATERPROOF FIELD TELEPHONE THAT CAN BE USED OUTDOORS ON A DESK OR WALL MOUNTED. HANDCRANK GENERATOR FOR RINGING BUZZER. REQUIRES 2 1/2 V BATT. FOR LOCAL USE NONE REQ. w/CB. UNIT COMES IN A CANVAS CASE & SHOULDER STRAP WITH ZIPPER. SIZE: 12x7x4; WT: 10 LBS. **\$45.00**

TRANSMISSION



TS-387 MIC & HEADSET TESTER, checks sensitivity of carbon and magnetic mics; sensitivity, noise, and match of headsets; and flight suit circuits. Has 1 KHz oscillator, 600 ohm audio amp, 0-3-9 AC ammeter, 24 VAC output, and 0-135 V 1 amp Variac. 115 VAC 50-1600 Hz. 10 1/2 x 13 1/2 x 18, 62 lbs. sh. Used, \$39.50

TS-903/PTM-3 TELEPHONE TEST SET, measures characteristics of telephone and related equipment; 65 lbs. Used, \$60. Unused, \$100. SIRRRA 940A LINE CONDITION TEST, repair \$165.

MRC-66 RADIO-TELEPHONE



MRC-66 UHF SCRIBER SET designed by Motorola as part of full

duplex SSB mobile radio-telephone system which transmits at 156 or 166 Mhz, receives at 156 Mhz. Each set has two channels plus a conference channel. (156 Mhz was used simplex if the central switching installation became inoperative.) Transmitter consists of SSB generator, oscillator, mixer, two driver chassis, and two power amp chassis--one 156 Mhz, the other 166 Mhz and each with 4CX300 tube. Cavity tuning used in driver and P-A sections. Receiver has two RF amps along with IF, frequency correction circuitry, oscillators, two tone decoders, etc. Transmitter has 25 tubes; receiver 35 tubes. Both have ringing and busy signal circuits. Also included in set are power supply, 24 VDC 30 amp dynamotor, cables and rack. Control box which is necessary is not available. Size: 15 1/2 x 6 x 18 (rec. and trans units each), 9 1/2 x 6 x 17 (pwr supply). Shipped in wood crate as received from gov't; 250 lbs sh wt. MRC-66 SUB-set, w/schematics, \$165.00

TRANSMITTER MODULATOR



MD-203/GR MODULATOR, converts a transmitter's CW signals into frequency shift signals for teletypewriter transmission when coupled to the transmitter's exciter. Designed for use with T-195/GR transmitter, the unit is useable with any transmitter with a fundamental frequency in the 1.5 to 3 Mhz range. Frequency shift: 850 Hz (1.5-3.0 Mhz), 425 Hz (3-6 Mhz), 212 Hz (6-12 Mhz), and 106 Hz (12-20 Mhz) according to ten position freq. band selector switch. 1 volt min. input necessary. With tubes 26A7, 25D6, and 5/26A6. Power required: 27 VDC 1.8 amps. 9 1/2 x 7 1/2 x 13 1/2, 25 lbs. sh. Used, \$17.50; Power plug, \$3. w/set purchase. MANUAL for MD-203, partial reproduction \$E.50

TMC - SSB CONVERTER



CV-591 SSB CONVERTER, same as TMC MSR-4. Used with 2-32 Mhz receivers with 455 KHz IF's such as the R-390A and the SP-600JX. Operates upper and lower SSB, AM, CW, FSK, and FAX. Input voltage: 0.1 to 10 V-rms. Input impedance: 240K ohms. Bandsread -3 KHz. Slow/Fast AVC speeds. Output remains constant within 9 db with 40 db change in input. Output imped: 8 or 600 ohms. Requires 115/230 VAC 50-60 Hz. 5 1/2 x 19 x 13 1/2; 28 lbs. sh. Used, repairable, \$145.00. MANUAL for CV-591, partial repro. \$8.50

FL-30 AUDIO FILTER



1020 HZ AUDIO FILTERS, can be used to reduce interference in CW and audio signals for receivers. Each filter provides a sharp null at approx 1020 Hz in voice mode while frequencies near 1020 Hz are passed in "range mode. Response can be broadened by placing a variable resistor from input to output. Terminal strip connections. 3-1/8 x 3 1/2, 3 lbs. sh. Used, \$4.95

F-90 AUDIO FILTER, similar to FL-30 except has sharper filter action. Designed for aircraft panel mount; has one 28 V panel light and schematic. 5 1/2 x 2 1/2 x 3 1/2, 3 lbs. sh. Used, \$3.95. MATING CONNECTOR for F-90, \$2.50

FM STATION MONITOR



TS-971 TEST SET similar to Motorola T1130-series FM station monitors. Consists of unichannel sensison control receiver, WWV receiver, squelch kit, power supply, and two 4 1/2 x 4 1/2 panel meters--one for 15-0-15 Carrier Frequency (KC) or Relative Field Strength (ua), the other 0-20 KC Modulation deviation or 0-+6 DB Line Level. Set is designed FM transmitters in 150.8 to 174 Mhz range upto 50 watts output and is useable for 45C to 470 Mhz range. Carrier deviation determined by selecting 150, 155, 160, Mhz reference crystal for control receiver plus channel crystal for the difference between the reference crystal and the transmitter frequency. Any deviation is indicated on panel meters. WWV receiver selectable 10 or 15 Mhz and can be heard on built-in 3 ohm speaker. WWV section also has 5 Mhz crystal standard for calibrating control receiver. Easy access to unit's 26 tubes by front panel door or lift top on cabinet. Shipped with choice of 150, 155, or 150 Mhz reference crystal (give alternate). Size: 21x10 1/2 x 13 1/2, 58 lbs. sh. wt. Used, repairable, \$65. Extra ref. xtal, \$10.

CODE PRACTICE SET



AN/GSC-1 CODE PRACTICE SET designed for student practice of Morse code, accommodating upto 10 keys. Hand keying produces either an audio tone with adjustable volume and pitch or a blinker flash. Has effective range of

40 ft. if background noise is less than 60 db. Can be operated from 6, 12, 24, or 115 VDC or 115/230 VAC. With built-in speaker, blinker, volume and pitch controls and tubes 6X5 and 2/6AK6. Keys not included. 13 1/2 x 18 x 11; 58 lbs. sh. Used, \$14.95; Gov't. record., \$24.95

SOLID-STATE AUDIO FREQUENCY AMPLIFIER, DESIGNED FOR USE IN AIRCRAFT ON-BOARD COMMUNICATIONS. FOR TALKING OR LISTENING. HAS PEAK CLIPPING AND AGC CIRCUIT. RESPONSE: 200-6000 Hz; 150 MW OUTPUT. Uses 27 VDC. SIZE: 4-3/8 x 1 1/2 x 3; SH WT: 2 LBS. AM-476/AIC-10, OPEN FRAME AS PICTURED, USED, \$4.95; AM-476, SEALED/POTTED, \$2.95



R-391/URR RECEIVER, 0.5 to 32 Mhz AM and CW. Similar to R-390A except has autotune capabilities for 3 preset channels and does not have mechanical filters. 24 VDC required for autotune use; rackmt. Used, repairable, \$250.

WIRE RECORDER

IC/VRW-7 WIRE RECORDER, unit records only--no playback. Has single input channel; 600 ohm impedance. 290 RPM recording speed; 300 to 3500 Hz frequency response. Has volume control, mic and headphone jacks on front. With two 2BD7



tubes and reel of wire for 60 minutes of recording. Requires 24 VDC for operation. 12 1/2 x 7 1/2 x 6 1/2, 17 lbs. sh. wt. Used, \$22.95

MX-303A/VRW WIRE RECORDER MAGAZINE with 60 minutes of recording wire, magnetizing head, other parts; 5 lbs. See page 9, used, \$9.95



RD-60/L CODE RECORDER OF RADIO TELEGRAPH CODE SIGNALS. USES 3/8" WIDE, 800 FOOT ROLLS OF PAPER TAPE. RECORDS CODE SPEEDS UP TO 1000 WORDS PER MINUTE WITH A RECORDING TIME OF 26 MINUTES (LOW) OR 13 MINUTES (HIGH). INPUT SIGNAL FREQ. 500 TO 5000 HZ. INPUT IMPEDANCE 500 AND 5000 OHMS. OUTPUT IMPED. 6 OHMS.

WITH 9 TUBES. POWER REQ. 115 V. 60 HZ. SIZE 19x16x12 1/2; WT: 150 LBS. PRICES: USED LESS CABINET REPARABLE \$19.95
" WITH " " 24.95
Gov't RE-CONDITIONED w/CABINET 30.00
MANUAL for RD-60 recorder, \$5.00

MODEL 14 TELETYPE TRANSMITTER--DISTRIBUTOR SINGLE CHANNEL, GOVERNOR CONTROLLED MOTOR 1/25 HP 2100 RPM, TAPE DISC NO. 77070, 60 WPM, POWER REQ. 115 V. 60 CYCLE. SIZE: 15 1/2 x 8 1/2 x 9; WT: 35 LBS. PRICE: USED \$19.95



TAPE TELETYPEWRITER

TELETYPE PERFORATOR TAPE, 11/16" WIDE 900 FT. OILED ROLLS. \$.60 PER ROLL; 10 ROLLS for \$3.

FIELD PHONE-CONTROL SET



C-2172/GRC-14 FIELD REMOTE CONTROL SET; DESIGNED FOR USE WITH AN/GRC-14 RADIO GROUP IN AM, PHONE, AND CW KEYING OPERATIONS OVER A TWO-WIRE 600 OHM TELEPHONE LINE. INCLUDES 20 HZ RINGER SYSTEM CONSISTING OF A HAND-CRANK MAGNETO GENERATOR AND BELL. WHEN USED WITH A H-33/PT HANDSET, THE CONTROL UNIT IS FUNCTIONALLY A FIELD TELEPHONE. TERMINALS PROVIDED FOR PHONES, MIC, AND KEY. SWITCHES FOR SERVICE (CW, AM, AND TEL); FSK CONTROL; AND SIGNAL (BELL OR CALL LIGHT). SOLD WITH H-33/PT HANDSET. POWER REQUIRED: Two "D" CELL AND ONE 45 VDC BATTERY (NOT AVAILABLE). SIZE: 3 1/2 x 9-3/8 x 7-1/8; SHPG. WT: 13 LBS. PRICE: UNUSED, WITH USED H-33/PT, \$19.95

Headsets Telephone Equipment Microphones Handsets



HS-33 HEADSET, 600 OHM. W/USED ANBH-1 ELEMENTS AND UN-USED GREY PLASTIC HEADBAND. 4 1/2" CORD WITH PLUG. LESS CUSHIONS, \$15.00

HS-33 W/HB-7 BROWN HEADBAND (NOT U.S. MFG.) 18" CORD AND PL-354 PLG. \$14.50

HS-23 HEADSET 2000 OHM; SAME HS-33 EXCEPT NEW ELEMENT. W/GREY HB-7 \$9.25 W/BROWN HB-7, \$9.00

4" CHAMOIS CUSHIONS, \$2.25 PR. RUBBER CUSHIONS MC-162, 2 1/2", \$1.00 MX-41, 2 1/2", \$1.25

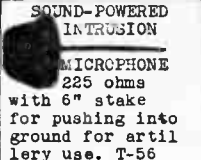
HB-7 HEADBAND ONLY GREY \$3.25 BRO. \$3



#ZA/CANI638 DYNAMIC HEADPHONES, 50 OHMS IMPEO; MOVING COIL-TYPE, QUALITY REPRODUCTION. ADJUSTABLE CANVAS STRAP FITS ON TOP THE HEAD; STEEL-BAND BEHIND. WITH CHAMOIS CUSHIONS, "Y" CORD, AND PHONE PLUG. UNUSED, \$4.95

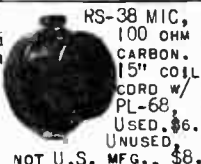


T-17 MIC, CARBON 35 TO 90 OHM PUSH-TO-TALK; PL-68 ON 5" CORD. USED \$6.95 RE-COND. \$9.

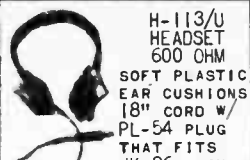


SOUND-POWERED INTRUSION MICROPHONE 225 ohms with 6" stake for pushing into ground for artillary use. T-56 USI element 1614-11 unused \$3.75 Western Electric Sound-Powered 1024 ohms D-173016 trans. D-173012 receiver new \$3.00 ea.

Carbon Elements F-1 Mic. \$1.50 Lip Mics: M-51 M-6 M419 etc. \$1.50 Telephone elements: U-1 or T-1, \$2.00



RS-38 MIC, 100 OHM CARBON. 15" COIL CORD W/ PL-68. USED \$6. UNUSED. NOT U.S. MFG. \$8.



H-113/U HEADSET 600 OHM SOFT PLASTIC EAR CUSHIONS 18" CORD W/ PL-54 PLUG THAT FITS JK-26 JACK (SEE CD-307 EXTENSION CORD ELSEWHERE ON THIS PAGE) WT: 3LBS. USED-EX \$4.95

H-62 HEADSET SAME AS H-113/U ONLY IN BLACK AND HAS PROVISIONS FOR SNAPPING ON LIP MICROPHONE CW-51071 LISTED BELOW. USED-EX. \$4.95

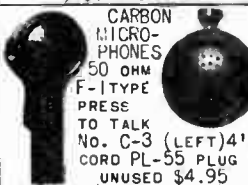
CW-51071 LIP MICROPHONE 100 OHMS IMPEDANCE W/ 2 SNAPS FOR FASTENING TO H-62 HEADSET, 14" CORD W/ PL-291 PLUG INTO EXTENSION CORD CD-318 LISTED ON THIS PAGE OR CW-49561 EXTENSION CORD LISTED BELOW USED \$1.00

JK-38 PHONE JACK FOR INLINE USE, TAKES TWO PL-55 PHONE PLUGS \$1

PUSH BUTTON SWITCHES FOR HANDSETS THAT USE BUTTERFLY TYPES. DIRECT REPLACEMENT. #5930-327-7308 \$1.25



H-63/U HEADSET 600 OHM BOOM MIC 100 OHM 14" CORD WITH PLUGS. \$7.95 USED MIC. OR PHONE ELEMENTS ONLY, \$1 EA.



M-2/10A/1422 (RIGHT) 4 1/2 FT. CORD PL-68 \$3.95 CO-78 HEADSET "Y" CORD 7' LG. RUBBER COVER NO PLUGS, TERM. \$1.50

PL-204 PLUG; SINGLE HOLDER PL-68 & PL-55 SIDE BY SIDE. \$2.00

DOUBLE PLUG D178452 F/HEADSET SIMILAR 289 298. #3850 NEW \$1.50

SWITCHBOARD CORD 4 1/2' W/PL-47 #BD-96 \$1.00



HS-30 HEADSET 250 OHM IMPEDANCE hearing aid type light weight headband 7 1/2" cord w/spade lugs that wire into CD-604 or CD-605 cord for 4000 ohm. ELL-#978 new \$3.95 used \$4.75 new \$8



H-33/PT HANDSET PHONE 300 OHM, MIC 40 OHM W/CORD UG-77 PLUG & PUSH TO TALK SWITCH. USED \$5.95

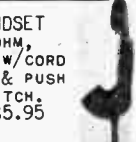
HS-16 HEADSET OR EQUIVALENT (SIMILAR TO PIC.) 2000 OHMS WITH 6' "Y" CORD & METAL TIPS. USED, EXC. \$4.75

TS-9 HANDSET WITH PUSH TO TALK SWITCH ("NOT BUTTERFLY") WITH 3 COND. CORD 4' AND TERMINAL LUGS. NEW COND. \$4.95

SOUND-POWERED HANDSET WITH COILED CORD 4 FT. NEW MANUFACTURE. BROOK-TEL #1 \$13.95



OPERATOR'S TYPE PHONE & ADJUSTABLE BOOM MICROPHONE HEADSET ASSY. RUBBER-COVERED ELEMENTS; PHONE 300 OHM, MIC 40 OHM. 4 FOOT CORD. H-81, H-144, OR SIMILAR. LESS PLUG, \$8.95 W/UG-77 PLUG, \$9.95 W/UG-77 AND SWITCH, \$10.95



CX-1422/U "Y" CORD FOR HANDSETS. 10 FT. 10 INCHES LG. WITH PL-55 ON ONE LEG; PL-68 THE OTHER. UNUSED, \$4.50

BRASS KEY WITH THREE BEARINGS; ADJUST. CONTACTS, COVER, CORD & PLUG. SIZE: 2x5x1 1/2 3B-#9, \$7.50

WESTCLOX 202 KEY WITH ADJUSTABLE CONTACTS; COVER, CORD, AND PL-55. #W-202/5854, \$3.95 EA. \$7.50

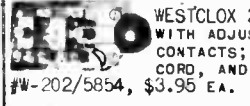
TWIN PADDLE KEY MADE FROM A-202 BY R.N. MASON 188NN 551 TURNER LIMA, OH 45804



T-45 MICROPHONE CARBON TYPE 100 OHM 500B BELOW 1 MILLIVOLT, FLAT RESPONDS WITH PL-291 2 CONT MALE PLUG, 11" CORD Used, \$2.50



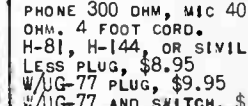
T-30 MICROPHONE CARBON TYPE, 75 OHM 500B BELOW 1 MILLIVOLT, FLAT RESPONDS WITH PL-291 2 CONT MALE PLUG, 11" CORD PRICE: NEW \$3.00



THIS IS THE KEY USED TO MAKE THE TWIN PADDLE KEY DESCRIBED IN CST ARTICLE OF FEB. 1973. THREE A-202 KEYS ARE REQUIRED, PLUS 3 BINDING POSTS AND BASE. ALSO SMALL HARDWARE & FINDINGS



CALL COMMANDER SWITCHBOARD NE634C HAS REMOVED FROM PL-55. 11 LINES \$24.95 5 LINES \$20.17 " 34.95 3 LINE KEY BAR ONLY \$ 6.00



MODERN TRIM-STYLE PHONE, desk type with dial, ringer, and 6' cord with modular jack; refurbished. Colors: black, red, green, harvest gold. \$34.95



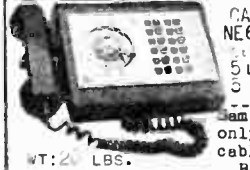
SOUND POWERED HEAD & CHEST SET. MIC ON BREAST PLATE 20' CORD. RUGGED UNIT. NO BATTERIES NEEDED. USED \$15.00

CD-307 CORD EXTENSION FOR CORDS WITH PL-54 PLUG AS USED ON HEADSETS, 65" LG WITH JK-26 JACK & PL-55 PLUG. Used, \$2.00

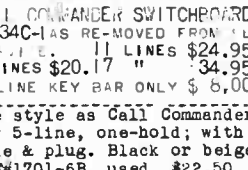


PL-55 RECEPTACLE WITH PL-55 PLUG ON END 3 FT. CORD #R16-G34820, unused \$2.

STANDARD TELEPHONE EQUIP.



STANDARD DESK SET: 3-line, 3-hold w/cord & terminal lugs, used \$18



STANDARD DESK SET: one line only, w/cord & terminal lugs. used \$15



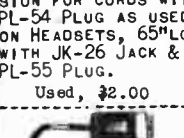
MODERN TRIM-STYLE PHONE, desk type with dial, ringer, and 6' cord with modular jack; refurbished. Colors: black, red, green, harvest gold. \$34.95



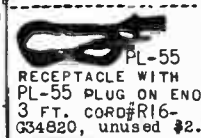
SOUND POWERED HEAD & CHEST SET. MIC ON BREAST PLATE 20' CORD. RUGGED UNIT. NO BATTERIES NEEDED. USED \$15.00



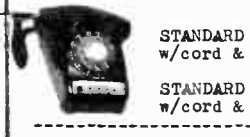
CD-318 EXTENSION CORD WITH PL-291 2 CONTACT FEMALE PLUG TO FIT T-45 & T-30 Mics. SW-141 SWITCH & PL-68 MIC PLUG ON 7 FT. CORD USED \$2.00



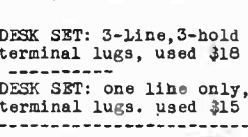
CD-604 CORD WITH IMPEDANCE MATCHING TRANSFORMER 500 OHM TO 4000, USED WITH HS-30 HEADSET, 6" CORD & PL-54 PLUG. Unused \$1. Used 60¢



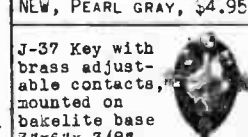
AN/GSA-6 CHEST SET GROUP for use with H-63 Headset & boom mic. SA-142 Switchbox & CA-1070B cord w/plug. \$5 each.



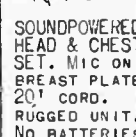
PRINCESS TELEPHONES with dial but no ringer. Colors: pink, blue, or turquoise. Specify 1st & 2nd choices. With cord and terminal lugs. Used, \$15.



WALL TELEPHONE; Straight line 20 cycle ringer, with dial. Various Manufacturers wall-Tell#5103, 5 lbs. used \$15.00



J-37 Key with brass adjustable contacts, mounted on bakelite base 3"x6"x 3/8" with cord. Used \$7.95



J-45/J-116 Leg Iron only to mount J-37 Key, used \$4.75* CD-201 cord w/PL-55 Plug to complete assy. \$2.

PL-68 MIC PLUG 30" Used, \$1.00

CD-605 CORD SAME AS CD-604 ONLY 30" LG. WITH PL-55 PLG Unused, \$2.00

PL-55 PHONE PLUG 30" CORD \$1.00

WE-302 TELEPHONES; OLD, ANGULAR STYLE. STRAIGHT OR COIL CORD (NO CHOICE); BLACK. USED, \$9.95

STANDARD TYPE HANDSET, AMPLIFIED RECEIVER with volume control. Jen. #20 \$20

H-60 HANDSET f/TA-43-312 phones. used \$10

H-189 HANDSET f/PRC-25, VRC-12 Used \$12.

JK-33 JACK TO FIT PL-68 MIC. PLUG. Used, 3 for \$1.00

JK-34 PHONE JACK TO FIT PL-55 PLUG Used, 3 for \$1.

STANDARD TELEPHONE HANDSET AND CORD, BLACK, USED USED, \$4. NEWER STYLE NEW, \$5.95

TELEPHONE SWITCH KEY IN METAL BOX FOR MTG. LEVER TYPE SWITCH. MC-88003 FOR 2 OR 3 LINE. (SPECIFY) \$2.95

WE-302 TELEPHONES; OLD, ANGULAR STYLE. STRAIGHT OR COIL CORD (NO CHOICE); BLACK. USED, \$9.95

M-80 MICROPHONE with U-229 plug. used \$10

M-29 MICROPHONE with U-77 plug. used \$5

COILED CORD SETS Three conductor, 24" to 72" 75¢ 12" to 36" 50¢

MC-385 HIGH TO LOW ADAPTER IMPEDANCE FOR HEADSET 4000-600 OHM USED \$1.50

STANDARD TELEPHONE DIAL USED \$2.00

HANDSET HOLDER FOR HORIZONTAL MOUNTING, SIZE 1 1/2x3 1/2 #6988 \$.50

TELEPHONE BELLS CHAMOIS HEADSET CUSHIONS 4" DIA. \$2.25 PR. 4x4x1 1/2 483661A \$1.50

CHAMOIS HEADSET CUSHIONS 4" DIA. \$2.25 PR. 4x4x1 1/2 483661A \$1.50

TELEPHONE BELLS USE AS EXTENSION N SHOP ETC. 2 LB. 4x4x1 1/2 483661A \$1.50

COILED CORD SETS Three conductor, 24" to 72" 75¢ 12" to 36" 50¢

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CHAMOIS HEADSET CUSHIONS 4" DIA. \$2.25 PR. 4x4x1 1/2 483661A \$1.50

TELEPHONE BELLS USE AS EXTENSION N SHOP ETC. 2 LB. 4x4x1 1/2 483661A \$1.50

GENERAL TIMEKES
 TM-506 to right, 0-14 second indicator 110 volt 60 Hz. motor repeat cycle used 6.95
 TM-229 same as above, no face plate, knob or dial. For 10 seconds oper. max. U \$5.

VARIOMETER TUNING RF TRANSFORMER
 for use in the 175 KHz-18 Mhz range. Outside coil 27 1/2 turns; inside ball 25 1/2 turns. Outside coil size: 5 1/2 x 6 1/2, shaft 1/8 x 3/16. 7 lbs sh. #C6239, \$5.

METERS for vehicles; 2 1/2" round. Unused, \$5.00 each.
 #GAL0844; 8-16 VDC, 12 V rec line; Stewart-Warner. #1513195; 40°-160°-240° F temp., 24 V., AC mfg. #BL-111947; Battery Charge, FS-10 amps, red line 6 amp Benwood-Linze Co. mfg.

CANVAS BAGS, STRAPS & COVERS, MAY BE USED OR UNUSED ALL ARE CLEAN WITHOUT TEARS. SHOULDER STRAPS ARE ADJUSTABLE AND MADE OF COTTON WEBBING.
 CW-189 BAG w/ SHOULDER STRAP AND SNAP COVER 10"Hx9 1/2"Wx8"D. \$5.00
 BG-175 BAG similar to above, 9 1/2"lgx 9 1/2"wx7 1/2"d. used, no tears \$3

BC-1942 BAG, AS ABOVE WITH STRAP CLOSE COVER AND 8"Hx 8"Wx2 1/2"D. \$2.50
 BG-189 WALLET BAG, 10"Hx5"Wx 3"D w/2 1/2" belt loops & cover w/snaps \$2.50 ea. 2 for \$4
 CS-76 BAG, LIKE CW-189 BUT DUZ COVER CLOSURE. 7"Hx10"Wx8"D. \$2.75

ST-19 CARRYING STRAP, 65" LG. X 2"W; w/2" SWIVEL-EYE SNAP HOOK AND TONGUELESS-BAR BUCKLE NEAR ONE END TO ADJUST LENGTH. \$3.00
 ST-42 CARRYING STRAP, AS ABOVE, NO SWIVEL, \$2.50
 ST-54 CARRYING HARNESS AS USED WITH BC-1000 TRANSCIVER; 38 1/2" EXTENDED LENGTH, 14" WIDTH. ADJUSTABLE STRAPS AND SNAP HOOK, \$3.

ST-120 HARNESS FOR PRC-8-9 -10 RADIO SETS. SIMILAR TO ABOVE, SAME USE, \$5.00
 CW-216 CARRYING BAG F/PRC ANTENNA AND H-33 HANDSET; COMPARTMENTS FOR EACH. O/A 19" LONG WITH TOP 5" WIDE TAPERING TO 3" WIDE AT BOTTOM, 3 1/2" DEEP. W/SNAP COVERS AND HANGER FOR AMMO BELT, \$6.00
 CW-206 ROLL BAG FOR MS-116 SERIES MAST SECTIONS. COMPARTMENTS FOR GRC-SERIES SET ACCESSORIES. SNAP AND WEB STRAP CLOSURE. O/A 40" LONG, 3"Hx5"D. \$5.00

MOTOR DRIVEN RELAY SPST norm. open 115 v. 60 Hz. 10 amps. cont. motor 115v 60 Hz. non. sync. 3.8 w. 4/5 rpm. Cams can be set to make cont 30 to 60 seconds. Also has provision to bring out a shaft. size 2 1/2x4x2, 1 lb. #N17H-68292 unused \$6.00

TIME-O-MATIC SIGN CONTROL, 115 VAC 60 HZ. THREE CONTACTS RATED 15 AMP EACH. TWO ALTERNATELY MAKE AND BREAK ONCE PER SECOND FOR 15 SEC; OTHER BREAKS FOR 20 SEC. AT THE SAME TIME. THEN ALL THREE MAKE AND THE CYCLE REPEATS. SIZE: 3x5x6; SHPG. WT: 5 LBS. #53 K-155, \$4.95

KEY SELECTOR CONSISTS OF MANUAL CLOCK MECHANISM FOR SENDING 17 IMPULSES, CAN BE SET TO CALL ANYONE AT 78 STATIONS, SPST LEVER SWITCH 2x2 1/2x4 1/2: 4C5100.60A \$1.50

SYNCHRON CLOCK MECHANISM, No. 610 110 v. 60 CYCLE 3 WATT 1 RPM #EC-129RB, WITH GEAR ASSY, NO RESET OR COVER. 2x2x2 1/2; 4oz. \$1.35

SYNCHRONOUS MOTOR, 26 volt 60 cycle, 60 rpm, shaft 1x 1/16, motor 1 1/2x2 1/2 #1147 \$2
HANSEN SYNCHRON CLOCK MOTOR 110 VOLT 60 CYCLE 10 R.P.H. MODIFIED WITH SLEEVE OVER SHAFT TO 24 R.P.H. #A12-RC-12-62 \$1.50

CRAMER TIMER SWITCH ASSY. MODEL TC-60SEC, 230 v 60 cyc, SWITCH 5 AMP. CONT. 3.8 w. 4/5 RPM MOTOR. \$1.95
THERMAL SWITCH opens 30 sec. after cooling. Operate 130 vac. 2m ohm res. 1 1/2x1 1/2, 20" leads. M-4199 \$1.50

SA-235/APA-57 CONTROL UNIT: Has a small Gyro connected to a contact arm that moves across resistance contact which will give four voltage readings in right or left positions. Also has 2PDT 24v. relay switches etc. 10x5x5; 4lbs. \$6.95

CONTROL FLIGHT RATE GYRO. 115 volt 400 Hz. Gyro size 2 1/2x2 1/2x2 1/2, case size 3x3x3 1/2. wt: 3lbs. #J67005 A-7 \$5

AS-207/CRT-3 ASSY w/300' #16 strand braided cadmium alloy copper wire on RL-48 reel and crank; mounted to aluminum door w/adjustable brake and snap swivel. Part of CRT-3 xmitter antenna which attached to kite or balloon. 2x4 1/2 dia, 3 lbs. Used \$9.95 No door-damaged reels, 6.95 Wire only, \$4.95

RELAY CONTROL UNIT WITH 4/24 VDC REED AND 3/24 V. P&B 4PDT RELAYS. ALSO 1500 MFD 100 VDC AND 3000 MFD 25 VDC CAPACITORS; 6' 11-CONDUCTOR CABLE; AND SOLA TRANSFORMER WITH 24 V. AND 75 VDC OUTPUTS. NICE CASE: 6x5x10 (TOP), 3x5x10 (BASE); 15" B. #RCU \$9.95

RECORDING TAPE MAGNETIC TAPE FOR MOS AUDIO RECORDERS, 0 1/2" REEL; 1/2" WIDTH APPROX. 3600 FT LEADING MANUFACTURERS. WT; 2 LB AST3045 \$1.50 4 FOR \$5

WIRE RECORDER MAGAZINE for one hour w/wire on spool magnetizing head, timers switches etc. For use with wire recorder IC/VRW-7 on page #MA-303 5lbs \$9.95

HEATING ELEMENTS
 ROUND HEATING ELEMENT, 6" OUTER DIA., 3 1/2" INNER DIA. 3" THICK. 118 VAC 500 WATT. NUT TERMINALS. #HSW-6, \$3.
 CHROMOLOX, CARTRIDGE-TYPE C-414; 115 VAC 180 WATT. 2 1/2x3 1/2; 9" LEADS, \$1.50
 STRIP HEATER, 46 V, 60 W, 1 1/2x5 1/2, #PT5X73, \$1.50
 LOOP COIL TYPE 9" LONG: 115 VAC 30 w. #83975, \$2.00
 DOUBLE "U" LOOP COIL, 3" HIGH. 115 VAC 1000 WATT. CHROMALOX #2111-2, \$2.50

LONG DURATION TIMER WITH 115V RESET RELAY. 115V 60 HZ 1/16 RPM MOTOR. CAM ACT. JATES SPDT MICRO SWITCH. 3 1/2x2 1/2. UNUSED \$2.95

ILLUMINATED CLOCK MECHANISM AS USED ON CLOCK RADIOS. CLEAR PLASTIC FRONT TO TRANSMIT LIGHT, NO HANDS. HAS 60 MIN TIMER ALSO HAS ON-OFF-AUTO ALARM 2"sq face. 115v 60 Hz. SH WT 2 LB. UNUSED \$1.50

ELECTRIC TIMER ONE HOUR, OPENS AT END OF PERIOD 115 v. 60 CYCLE CONTACT 230 v 25 A. ROBERTSHAW 700-214 \$1.95

STOVE TIMER CLOCK MECHANISM START-STOP OFF-REGULAR 115 V.A.C 60 cycle Switch rating 230VAC 30AMP Enobs are not the typ used on stove but can be modified Black Face Q155791 \$2.95 Silver " Q155795 3.25

TIMER SPRING WOUND TYPE closed when unit is wound, opens at the end of time. 30 minute 115 volt 20 amp. Lux#2500 \$3.95 60 minute 120/240 vac 15 amp. Rhodes 64b \$4.50

MN-40 INDICATOR 0-360 DEGREE SCALE SIMILAR TO ABOVE EXCEPT THAT IT IS OPERATED MECHANICALLY BY USE OF A SPLINED FLEXIBLE SHAFT OR SPIN KNOB OR BOTH. MN-40 INDICATOR 5" \$2.50 NC-124 SHAFT 20" \$1.50 NC-137 SPIN KNOB \$1.00

AUTOSYNS THAT CAN BE USED TO MAKE WIND DIRECTION AND SPEED SYSTEMS. Sperry #5663642 \$2.95 AY-201 or equivalent used \$4.00 AY-1 Autosyn new \$5.95
 See page 17 for more info.

SPERTI VACUUM SWITCH SIMILAR ONE IN ART-13 XMITTER KEYING RELAY. GLASS, SPDT. #3340-5345, \$3.00

PUSH SWITCH ASSY, 9 SWITCH SP PUSH OFF, 8/DPST CANCEL IN TYPE WITH ONLY ONE IN USE AT A TIME: W/BUTTONS, 5 1/2x2x2 1/2. #229903A, \$3.95

INTERLOCK SWITCH, HEAVY-DUTY 3" COPPER STRIP CONTACTS OPEN WHEN DOOR IS OPENED. PLUNGER 1-1/8". 2 1/2x1 1/2x2 1/2. ONE-LITE #231 \$2
 BC-610 XMITTER INTERLOCK SWITCH, 2 1/2x1 1/2. GE#7760014-2, \$2.00

3" DIA 0-360° INDICATORS, usable for antenna position project in 9/79 QST & windspeed proj. I-81 5" marks, used \$8.95 ID-637/ARN, 2" marks and VAR knob, unused, \$12.95

ID-68/APA-44 AIR SPEED INDICATOR; CONTAINS A KOLLSMAN TRUE AIR SPEED METER AND A INDICATING WITH A RANGE OF 84 TO 434 KNOTS. HAS OSTER MOTOR AV-240, RELAY, 1/6AK5 TUBE, COMPENSATING DEVICE PLUS MANY OTHER COMPONENTS. 15x7x5; 20 LBS. USED \$15.

RT-58/ARC-12 CHANNEL SELECTOR AND MOTOR ASSY. 10 POSITION AUTOTUNE MOTOR DRIVEN 26.5 VDC WITH 2 SHAFTS 60 RPM ALSO RELAYS. 4x6x3 1/2. 5 LB. #596C-1 \$2.95

THERMOSTAT Penn Controls type 810, 22amp lph, non inductive, 120/240 vac. adjustable switch. 21" sensor lead. \$5.00

30 RPM MOTOR 30 RPM GEARHEAD MOTOR, 24 VDC; Size: 2 1/2x1-3/8. Shaft: 3/8" x 1/8" dia. Hayden #K43121-P8. NEW, \$6.95

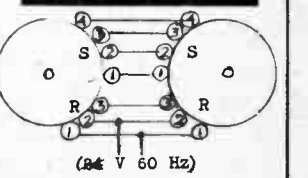
I-82 RADIO COMPASS INDICATOR, 5" 0-360 scale with AY-1 autosyn. Use in 9/79 QST antenna position project. 4 lbs. Used, \$18.95 I-82, reconditioned, \$24.95

MN-42C RADIO COMPASS INDICATOR 5" with dual azimuth dials two AY-1 auto syn. Used in aircraft that had two separate antenna loop systems. Used, \$23.

I-91(*) RADIO COMPASS INDICATOR 3" 360 deg. sc. used w/ARN-6 sys. 3 1/2"x3 1/2". (can be used with wind direction system) used \$9.95 NEW \$14.95

I-101 CROSS POINT INDICATOR For combined use from localizer Rec. & Glide Path Rec. used w/ARN-5, RC-103 et 3 1/2x3 1/2x3; used broken glass, good movements \$2.95/Re-cond \$5

ID-304/APA-70C Cross Point Indicator. Same as I-101 but has on/off power switch. Unused, \$10.95

WIND SPEED

 (24 V 60 Hz)

WIND DIRECTION INDICATOR using the Sperry #R5663642 selsyns on page 17. Design your own wind vane and indicator so that you can check wind direction from inside your house. Selsyns #R5663642, unused, \$2.95 ea

WIND SPEED INDICATOR using a 24 VDC PM motor (p.17) as a generator, a 200 micro-ammeter, and a resistor range scaler so that wind speed may be monitored indoors. We'll supply the PM motor and a 3 1/2" rd. 0-200 scale (FS=200 ua) meter; you design the rest. #WS-MOTOR & METER, \$7.95

AY-1 AUTOSYN USED IN I-81, I-82 ETC. DIRECT REPLACEMENT. \$5.95

I-81 & I-82 ARMATURES ONLY #3H2716/A1, UNUSED, \$3.95 I-82 GLASS ONLY, \$2.00

MODULAR POWER SUPPLIES



LAMBDA MODULAR POWER SUPPLIES, RUGGED SOLID-STATE. REGULATED 0.03%. REMOVED FROM EQUIPMENT BUT IN EXCELLENT CONDITION. RATINGS ARE BASED ON A 60 HZ VAC INPUT; OUTPUT V-5% AND AMPS @ 40° CENTIGRADE.

LMB-20	105-132	20 V	1.8 amps	\$28.00
LMCC-20	105-132	20 V	5.0 amps	40.00
LMCC-20V	205-265	20 V	5.0 amps	45.00
LMU-20	105-132	20 V	7.4 amps	50.00
LMD-20V	205-265	20 V	7.4 amps	55.00

Package size types (B) 3 1/2 x 5 1/2 x 6 1/2, (CC) 5 x 5 x 9 1/2, and (D) 5 x 7 1/2 x 9 1/2. Approx sh wt: 18 lbs.

NORTH ELECTRIC MODULAR POWER SUPPLIES, 105-132 VAC 50-60 Hz input; ratings 40 C.

#N14005A	5 VDC	13 amps	\$50.00
N64005A	5 VDC	28 amps	75.00
N11006A	6 VDC	3.5 amps	22.00
N15010A	10 VDC	16.5 amps	75.00
N16028A	28 VDC	14 amps	80.00
N14003KA	3.7 VDC	14 amps	28.00

RACKMOUNT MODULAR POWER SUPPLIES, Lambda (L) or North Electric (N) mfg. Ratings @ 40 C.

#LM-A-5	5 VDC	31.5 amps	\$80.00
LM-A-20	20 VDC	16 amps	85.00
LM-G5-OVMYK	5 VDC	75 A metered	145.00

#N17005A	5 VDC	49 amps	\$100.00
N18005A	5 VDC	82 amps	125.00
N18005A-M	as above	with meters	150.00
N19005A	5 VDC	120 amps	160.00

CON-AVIONICS/NJE HS SERIES, 19-21 VDC 15.5 amps from 220 VAC 50-60 Hz input, \$75.00

CON-AVIONICS HS SERIES DUAL POWER SUPPLY, 17-19 VDC 16 A and 110 VDC 225 ma. Used \$60.

DRESSER-BARNES with remote sensing:

#26859	210-250 VAC in,	20 VDC 3 A out	\$25.
26858	210-250 VAC in,	20 VDC 9 A out	45.

NORTH ELECTRIC #PEC2754, 115/230 VAC 60 Hz input, output 6 VDC 500 ma, -6 VDC 500 ma, -12 VDC 1.6 amp, -28 VDC 4 amps, \$24.00

NORTH ELECTRIC #PEC3496, 115/230 VAC 60 Hz input, output 5 VDC 42 amps, 15 VDC 5 A, -15 VDC 5 A, -12 VDC 18 A, 24 VDC 10 amps, 250 VDC 200 ma. 24x7x16, 150 lbs sh. \$100.00

OREGON D6 DUAL OUTPUT REGULATED POWER SUPPLY, two 0-600 VDC 200 ma outputs or one 0-600 VDC 400 ma output. Also 0 to -150 VDC 5 ma and 6.3 VAC 10 A outputs. Input: 100-130 VAC 60 Hz. Has 2-4x4 1/2 meters and 13 tubes. 10 1/2 x 19 1/2 x 11; 50 lbs. Used-repairable, \$85.00

TRANSISTORIZED



TRANSISTORIZED REGULATED P.S. INPUT 05-25 VAC 50/60 HZ. MOUNTED ON CIRCUIT BOARD, 4x5, WT: 3 LBS. UNUSED, #CD5N1.5 5 VDC 1.5 A. \$15. #CD12N.85 12 VDC .85 A. \$18.

THUNDER POWER SUPPLY, trans. reg. 3.7 VDC 750 MA I/115 VAC 60 Hz in. W/info to modify to 3-10 V 500 ma approx. 3 1/2 x 5 1/2 x 3, 5 lbs. NEW, \$12.

WANLESS 1-OEM IC POWER SUPPLY; OUTPUT: 24 V. @ 2.5 AMPS. REGULATED; AUTOMATIC FOLDBACK CURRENT LIMITING. FLOATING + AND - OUTPUTS. AC INPUT; SOLID-STATE. SIZE: 5 1/2 x 5 1/2 x 6 1/2. WT: 10 LBS. NEW, \$27.95



DC TO AC CONVERTER

PU 143C/U ROTARY CONVERTER, rotating armature unit changes 24 VDC 27 amp input to 115 VAC 60 Hz single @ 500 VA output. Metal control box on top of 3600 RPM inverter contains 0-130 VAC variable transformer, 0-150 VAC 2 1/2" round meter, AC receptacle, and DC input terminals. Size: 14 1/2 x 8 1/2 x 14, 77 lbs sh wt. Used, \$89.50



VOLTAGE REGULATED POWER SUPPLIES

Regulated power supplies used-repairable. Shipped freight or bus collect unless "UPS" noted.

LAMBDA MODEL 29M, metered output 100-200 VDC 100 ma and 6.3 VAC 3A. Rackmount; UPS. Used, \$35.00

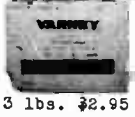
LAMBDA 28, 200-325 VDC 100 ma and 6.3 VAC 3 amps, rackmount, \$22.00

LAMBDA C-282M, 325-525 VDC 200 ma and 6.3 VAC 10 amps. Rackmount with meters, \$65.00



NORTH ELECTRIC 48-52 VDC 6 amp output from 115/230 VAC 60 Hz in. Solid-state with 2 1/2" GE DW-91 meters for 0-80 VDC and 0-10 amps, AC circuit breaker, and Equalize-Flow switch. 12x19x8 1/2, rackmt. #PEC2627B, \$55. OTHERS AVAILABLE. WRITE YOUR NEEDS

VARNEY AUTO-RACE PACK 2/14 VDC 600 MA outputs makes nice small bench supply by adding regulator, etc. 5 1/2" AC cord; 5x3 1/2 x 2 1/2, 3 lbs. \$2.95



NJE-S-300-C, 200-500 VDC 300 ma and 6.3 VAC @ 5 amps. Rackmount with meters, \$75.00

BETA ELECTRIC HV SUPPLY, 0-30 KVDC 2 ma; metered, \$95.00

12/24 VDC 22/11 A



CPP-2 POWER SUPPLY, output 12 VDC 22 amps or 24 VDC 11 amps. With mains and load control and output mode indicator lights. Input: 90-130 VAC 60 Hz. Size: 11x18 1/2 x 10 1/2, 90 lb sh wt. Used, \$65.00

DYNAMOTORS

TYPE	USED	RENEW	TYPE	USED	RENEW
DM-25	2.95	.95	D-40	6.95	6.95
DM-28	6.95		D-402	6.95	6.95
DM-32	2.95	4.95	D-401(SPEC)	8.95	8.95
DM-32(12 v)	4.95		DY-9	9.95	
DM-33 (WRITE AV)			DY-10	12.95	
DM-34	2.95	4.95	DY-17	12.95	
DM-35		20.00	DY-21	8.95	
DM-36	2.95	6.95	DY-22	9.95	
DM-37		13.00			
DM-40	5.95		DA-6A	8.95	
DM-41	5.95		DA-1F	11.00	
DM-42		15.00	DA-14	8.95	
DM-43		15.00			
DM-53	4.95		BD-77	19.95	
DM-53	5.95	(12V)	BD-83	8.95	
DM-64	7.95				

ADVISE US OF YOUR REQUIREMENTS OR WRITE FOR SPECS. PE-86 5.95 PE-98 8.95 (COMP) PE-98 4.95 (DYN) PE-94 9.95

CARTER MA-2503; INPUT 6 VDC 6.3 A. OUTPUT 250 VDC 30 MA. SIZE 3 1/2 x 5 x 3, WT. 6 LBS. USED \$4.95

41S14 F/COLLINS 618; INPUT 27.5VDC 22 AMPS. OUTPUT 650 VDC 550 MA. & 250 VDC @ 150 MA. SIZE 9x14 N \$15

DYNAMOTOR DM-35 INPUT 12 VDC @ 18.7 AMP. OUTPUT 625 VDC @ 225 MA SIZE: 4 1/2 x 4 1/2 x 8 1/2; 13 LBS. UNUSED \$20

MOBILE SUPPLY

AVA-126 VIBRATOR POWER SUPPLY, operates from 6, 12, or 24 VDC depending on vibrator used. Output: 300 V. 100 MADC. Includes 6 VDC vibrator. 7 1/2 x 7 1/2 x 7 1/2; 12 lbs. Unused, \$5.



INVERTERS



EICOR INVERTER X3516-1 INPUT: 27.5 VDC 165 AMPS. OUTPUT: 115 VOLT 400 CYCLE 2500 V.A I PHASE SIZE: 16x11 1/2 x 8; WT: 75 LBS. EXCELLENT COND. \$49.50

PU-7 INVERTER

INPUT: 28 VDC 160 AMPS. OUTPUT: 115 VAC 400 CYCLE 21.6 AMP. I PHASE SIZE 19 1/2 x 8 x 10 1/2; 100 LBS. PRICE: UNUSED \$49.50

5A313N3 INVERTER

INPUT: 26 VDC 100 AMPS. OUTPUT: 115 VAC 400 CYCLE 1500 VA I PHASE SIZE: 14x9 1/2 x 6; WT: 50 LBS. PRICE: UNUSED \$45.00

MG-149H INVERTER

INPUT: 24 VDC 36 A. 700 VA. OUTPUT: 115 V. 400 CYCLE I PHASE 500 VA & 26 V. 400 CYCLE I PHASE 250 VA. SIZE: 12x8 1/2 x 8; WT: 25 LBS. PRICE: GOV. RECOND. \$49.50

INVERTER

INPUT 27.5VDC 60A OUTPUT 115 V 400 CY 750 W 3 PHASE 26 V 400 CY 50 W I PHASE SIZE 11x10x6; WT: 40 LBS. LELAND#10285 USED \$34.95

EICOR 3012-08 100 VA INVERTER Input: 24/30 VDC 11 amps. Output: 115 VAC 400 Hz 1-Ph, 100 VA. Size: 9 1/2 x 4 1/2, 14 lbs sh wt. Used, \$16.95

PU-235/U AC to DC CONVERTER Input 115 VAC 50/60 Hz 1 @ 29/31 amps, 3 HP 2800/3400 RPM. Output: 28.5 VDC 42/52 amps 1.2/1.5 KW. With meter fan. 250 lbs sh. Used \$165.

PU-175/U AC FREQ. CONVERTER Input: 220/440 VAC 60 Hz 3 @ Output: 120 VAC 400 Hz 3 @ 18/26 amps. 225 lbs, \$275.



JACK & HEINTZ

F-132 INVERTER

INPUT 27.5 VDC @ 100 AMPS. OUTPUT 115 V. 400 CYCLE 1500 VA 3 PHASE SIZE: 16 x 11 x 7; WT: 55 LBS PRICE: USED \$75.00

F-147 INVERTER

INPUT 27.5 VDC @ 180 AMPS. OUTPUT 115 V. 400 CYCLE 2500 VA I PHASE SIZE 18x11x7; WT: 45 lbs PRICE: USED \$75.00



JACK & HEINTZ INVERTER #AN-3532-2 INPUT 27.5 VDC @ 20 AMPS. OUTPUT 115 VOLT 400 CYCLE, 3 PHASE, 250VA VOLTAGE REGULATED. SIZE: 12x7 1/2 x 4 1/2; WT: 20 LBS. FED#6125-617-0967 Used, \$18.95

1000 VDC 350 MA

BD-77 DYNAMOTOR; INPUT: 14 VDC 39 AMPS. OUTPUT: 1000 VDC 350 MA. SIZE: 11x10x6 1/2 SHFG. WT: 40 LBS. \$19.95

PE-73 DYNAMOTOR; SAME AS BD-77, BUT WITH 28 VDC 19 AMP INPUT, RECOND. \$30.00

DM-42 DW-42 DYNAMOTOR; INPUT: 12 VDC 39 AMPS. OUTPUT: 1030 AND 515 VDC @ 215 MA. 7x7x11; 42 LB. RECOND. \$15.

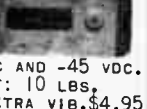
VIBRATOR POWER SUPPLY

USED WITH AN/PI-P-1A PUBLIC ADDRESS SYSTEM. INPUT: 5.2 to 6.2 DC VOLTS; OUTPUT: 300 VDC 60MA, 50 VAC. SIZE: 4 1/2 x 3 1/2 x 2 1/2 3 LBS #H17VD-11077 NEW \$5.95



PE-104 POWER CONVERTER

6 OR 12 VDC INPUT, OUTPUT 90 VDC, 1 1/2 VDC AND -45 VDC. SIZE: 4x4x7; WT: 10 LBS. NEW \$3.95 w/EXTRA VIB. \$4.95



PP-855/PRC-14 VIBRATOR POWER

SUPPLY WITH FILTER NETWORK. 6 VOLTS DC INPUT, 5.35 AMP OUTPUT 135 VDC @ 155 MA. SIZE: 7 1/2 x 2 1/2 x 2 1/2; WT: 3 LBS. NEW \$4.95



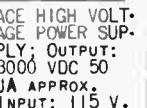
DUAL SIX VOLT D.C. VIBRATOR POWER SUPPLY

OUTPUT 540 VDC @ 150 MA. CAN BE TAPPED AT 270 VDC. WITH 2/024 TUBES. SIZE: 9x6x5; WT: 10 LBS. STK#3H6694-5 NEW \$7.95



HIGH VOLTAGE

ACE HIGH VOLTAGE POWER SUPPLY; OUTPUT: 3000 VDC 50 UA APPROX. INPUT: 115 V. 60 Hz. USES TWO 1B3 RECTIFIER TUBES. WITH MOUNTING FLANGE. SIZE: 6x7x2; SHFG. WT: 8 LBS. UNUSED. #ACE-HV3000, \$5.95 SPECIAL!! 2 FOR \$10.00



BELL SYSTEM POWER SUPPLY 105-130 VOLT 60 Hz. OUTPUT 18VDC .6 AMP 20VDC 1.0 " 9VAC 2.8 AMP & 18VAC 1.4 AMP. FUSED & AC CORD. SIZE: 8 1/2 x 4 1/2 x 8 1/2; WT: 22LB #J86731A USED \$6.75



PP-18 CONVERTER 12 VDC 4 AMP TO 24 VDC 1.5 AMP. PARRALLEL FOR MORE CURRENT. WITH VIBRATOR ALSO PLUG SIZE: 6 1/2 x 5 1/2 x 8 1/2; WT: 10 LBS. NEW \$4.95

TUBE SOCKETS

4X150 SOCKET PAIR f/195 xmitter modltr 4x3x2 1/2, #1195/4X150 Removed, \$12.
SEDLACSIK'S 958 ceramic 4-contact socket for 872, etc. Unused, \$3.00

EMAC SK610/JOHNSON 121-110 socket for 4X150, used, \$7.50 With chimney SK606/121-111, \$9.00 Chimney only, \$3.00

OCTAL MOULDED 2 HOLE MTG. \$.25
" " RING " .30
" CERAMIC (SPECIFY) .50
LOCTAL MOULDED 2 HOLE CERAMIC TYPES 4,5,6 & 7 CONTACTS STANDARD SIZES MOULDED TYPES 4,5,6 & 7 CONTACTS, STANDARD SIZES .35
MINIATURE MOULDED 7 & 9 CERAMIC 7 & 9 .40
SHIELDS FOR MINIATURE TUBE .25
GIANT 4 CONTACT CERAMIC FOR 21/VT-4C, 872 ETC. GE #17461594-G1 USED .49
GIANT 4 CONTACT CERAMIC FOR 715, 718 ETC. JOHNSON 234 TYPE ST. #277684.98 UNUSED \$1.25
CERAMIC FOR 829 ETC. 1.25
" " 832 ETC. 1.25
" " 872 W/SHOULDER 1.00
" " 811/866 1.00
JOHNSON 214 F/750TL, 1500T 2.00
" 244 F/8008 ETC. 2.00

JOHNSON 0105-047 SOCKET for 8E9B and 5894 tubes, NEW \$2.50

4X150 SCREEN GRID BY-PASS CAPACITANCE RING, 2000 PFD, 2-3/8" sq. mtg. Johnson 124-0113-021, \$3.

TERMINAL BLOCKS--TELEPHONE TYPE # 844-1955 6 rows 20 terminals ea. row, total 120. Size 5x3x3-3/8 x 2-3/4 unused \$5.00

114x10F4A 4 rows 10 terminals ea total 40 3 1/2 x 3 x 2 \$3

34770.807 4 rows 20 terminals total 80. Size 7x3x3 \$4.25

4E9865 40 terminals, flat mounting 8x3 1/2 x 2 \$3.00

879-9661 3 rows of 30 terminals one side wire wrap. size 8-7/8x2-3/4x1-3/4 \$3.50

AIRCRAFT STYLE TERMINAL STRIPS AN-3436-2-6 6 term. 4x7/8x11/16 6-32 studs on 19/32 centers .55

AN-3436-2-9 9 term 6x7/8x11/16 6-32 studs on 19/32 centers .75

AN-3436-4-10/10 term. 7-7/8x1x1 10-32 studs on 3/4 centers .80

AN-3436-4-16/10 term. 12x1x1 10-32 studs on 3/4 centers \$1.25

5BK-22 Consists of 3 AN-3436 terminal strips 13 term. each & 2 AN-3436 9 term. ea. The 10/32 studs extend thru. the phenolic board and have solder terminals. Board size 5x8 1/2 x 2; 4lbs \$2.75

TERMINAL STRIPS WITH CLIPPED WIRE BARRIER TERM. STRIPS AVAILABLE, 3/4 1 & 1 1/2 WIDTHS, 20 TO 16 TERM INALS. Two TERMINAL 20¢ EA. EACH ADDITIONAL TERMINAL 3¢. WE WILL SNIP CLOSEST TO YOUR ORDER.

HEAVY DUTY TERMINAL STRIPS. APPROX. 2" WX1 1/2 D. 6 TERM. 4x1 1/2 LG 1.50 12 TERM. WITH 8 " 6 " 2.00 SCREW DOWN 12 " 8 1/2 " 3.00 HOLDER TYPE \$4

Capacitors

MFD	VDC	SIZE	PRICE
24000	3	4x3	\$ 1.00
2000	15	1 1/2 x 4 1/2	.75
1100	25	1 1/2 x 4	.75
500	200	2x4	1.25
4	400	2 1/2 x 4 1/2	.75
2	600	2 1/2 x 2 1/2	.50
3	600	1 1/2 x 3 1/2	.55
4	600	3 1/2 x 2 1/2	.65
6	600	4 1/2 x 2 1/2	.75
7	600	4 1/2 x 2	.80
R	600	5 1/2 x 1 1/2	1.00
1	1000	2 1/2 x 1 1/2	.50
1.5	1000	4 1/2 x 1 1/2	.75
2	1000	4 1/2 x 1	.85
4	1000	4 1/2 x 2 1/2	1.00
6	1000	4 1/2 x 2 1/2	1.50
4	1500	4 1/2 x 3 1/2	2.50
15	1000	5 1/2 x 3 1/2	1.10 (DENTED)
15	1000	5 1/2 x 3 1/2	1.50
2x8 1/2	1000	5 1/2 x 4 1/2	3.00
2	1500	4 1/2 x 2 1/2	1.00
8	1500	6 1/2 x 2 1/2	3.75
12	1500	4 1/2 x 4 1/2	5.95
4	1500	3 1/2 x 3 1/2	1.50
1	2000	2x3 1/2	1.00
4	2000	5 1/2 x 3 1/2	4.50
1	2500	4 1/2 x 3 1/2	1.25
1	3000	4 1/2 x 3 1/2	1.50
1	5000	6 1/2 x 4 1/2	4.00

OTHER VALUES--WRITE--SPECIFY

COMPUTER GRADE

MFD	VDC	SIZE	PRICE
23000	7	5 1/2 x 1 1/2	.60
		BANK OF FIVE	2.50
150000	10	5 1/2 x 3	3.50
61000	10	4 1/2 x 2 1/2	1.50
13000	15	4 1/2 x 1 1/2	1.50
73000	15	4 1/2 x 3	3.00
40000	20	4 1/2 x 2 1/2	2.75
52000	20	6x3	3.75
20000	25	4 1/2 x 3	2.00
44000	25	6x3	3.00
24000	30	4 1/2 x 2 1/2	2.25
25000	30	4 1/2 x 3	2.50
54000	30	6x3	4.50
18000	35	4x3	2.50
25000	35	4 1/2 x 2 1/2	3.00
37500	35	6x3	4.00
9400	40	4 1/2 x 1 1/2	2.25
16000	40	4x3	2.75
30000	40	4 1/2 x 3	3.00
16800	75	4 1/2 x 2 1/2	5.00
48000	40	5 1/2 x 3	4.00
51000	40	4 1/2 x 3	4.50
12500	50	4x3	2.25
23200	50	4x3	3.75
34000	50	5 1/2 x 3	4.50
13500	60	4x2	4.00
20000	60	4 1/2 x 3	5.00
950	75	4x3	2.00
3500	100	5 1/2 x 3	4.00
1250	180	4 1/2 x 2	3.00
4300	250	5 1/2 x 3	8.00
500	250	4 1/2 x 1 1/2	3.00

WRITE FOR QUANTITY PRICES

PHOTO FLASH TYPE
600 MFD 360 VDC 3 1/2 x 1 1/2 \$2.25

AC CAPACITORS

MFD	VAC	SIZE	PRICE
1.3	950	5 1/2 x 4 1/2	3/\$1.00
8	660	6x2 1/2 x 1	2.00
10	660	5x3x2	2.50
4	660	3 1/2 x 3 x 2	1.25
2	440	2 1/2 x 2 1/2	1.00
20	330	3 1/2 x 4 1/2 x 2 1/2	3.00
4	370	2 1/2 x 2 1/2 x 1 1/2	.75
7	330	3 1/2 x 3 1/2 x 1 1/2	1.25
4	330	6x2 1/2 RD.	1.00
3.9	330	4x2 1/2	1.00
5	220	4x3 1/2	1.00
47-58	220	4 1/2 x 2 RD.	2.00
4	220	4 1/2 x 1 1/2	1.00

ROTARY SWITCHES

Gold flash ceramic switch deck 12 position contacts 1 1/2 dia. 1-3/4" dp. 889-5718 \$4.50

ROTARY SWITCH, 2-DECK. ONE 4PDT MOMENTARY BOTH SIDES; OTHER 2PDT MOM. B.S. AND 1PST MOM. 1-3/8" DIA.; CERAMIC. #329825-20, \$1.00
MINI-ROTARY, 1-pole 3-pos. shorting. 1" dia; 1/8" dia shaft. No hardware. #LED-M13-S, unused, 75¢

THUMB-WHEEL WAFER SWITCH, 18 POSITION, NUMBERED, 2 HOLE MTG. HORIZONTAL OR VERTICAL, 2 1/2 x 3/8" # 960 NEW \$1.25
SAME AS ABOVE 10 POSITION 2 1/2 x 3/8" # 980 NEW \$.75

25 POSITION, 3 DECK, SILVER PLATED CONTACTS, 2x2 1/2, 1/4" SHFT. N-548-6083 NEW \$5.00

ROTARY SWITCH 10 POLE, 4 POS. 5 DECK. 3 1/2 x 1 1/2. RM-39/31.9 RE-MOVED \$1.00

ANTENNA COUPLING SWITCH, 6-position, 1-pole. 2-3/8" dia. Ceramic, bar knob. Removed, \$3.95

Rotary switch one deck 17-position, one tie deck. 1 1/2" x 1. silver pl. SW-249 \$2

GE CERAMIC POWER SWITCH, two deck; 4 break/3 make. 4"x2" dia. #G1/407, \$1.95

DAVEN SWITCH

18 POSITION CONTINUOUS TURN 2" dia. Zinc-silver contacts. 2 1/2" dia shft. #329825-92.2 Unused, \$3.00

Miniature tap switch 1 pole 7-position rated 1 amp. 1 1/2". Grayhill 7 pos. \$2.00

Power on/off sw. rated 3a. 125v. ac/dc w/2-gang pot. one meg. # 600 ohm concentric. 1 1/2 x 1 1/2 VC-0058 \$1.50

Ceramic 5 pole 3-position, 2 deck rotary 2 1/2" x 1 1/2". used Re-moved S-502/13 \$1.50

Ceramic 1 pole 12-position rotary sw. 1 1/2" dia. w/stop. re-moved S-631/13 \$2.00

ROTARY ACTUATOR will operate 12-28 vdc 12 position 30 degrees each. 2 1/2" shaft for mtg. & rods for wafers, no wafers with unit. 2 1/2 x 3 1/2 x 1 1/2. MA167809G1 or equivl. \$2.00

ANTENNA CIRCUIT SWITCH 100 WATT 3/MAKE 3/BREAK SIZE: 4 1/2 x 2 1/2 IN. #329626 \$2.50

ROTARY SWITCH, BAKELITE WAFER; 2 DECK, 5 POSITION, 1 POLE MOMENTARY 5 POS. 2x2 x2 SW-145 39¢ EA 3/\$1.00

CERAMIC ROTARY SWITCH, TWO DECK; 1-POLE 4-POS./DECK. 1 1/2" DIA. ACE#2-1P4P, \$1.50

Parts Kits

DISC CERAMIC CONDENSERS 33 ASST. 15MMF-.01MFD. Good Value \$1.25 a KIT

WIRE ASST. Six 25 FT. COILS; INSULATED. TINNED-COPPER, \$1.50

MICA CONDENSERS 25 ASST. 10 MMFD To 6800 MMFD. \$1.00 a KIT

TRIMMER CONDENSERS 25 ASST. 3 to 280MMF WIDE RANGE \$1.00 KIT

PRECISION RESISTORS 25 asst. on boards. Carbon or wire wound 1%. \$1.50/kit

RESISTORS WIREWOUND 25 ASST. 5 to 20 Watt. Wide range of values some tapped. 25 ASST \$1.00

VOLUME CONTROLS 10 ASST. Popular Values \$1.00

TUBE SOCKETS 20 ASST. Octals Loctals Minatures Wafers etc \$1.00

PILOT LIGHT SOCKETS 25 ASST. Bayonet Screw etc. \$1.00

TERMINAL STRIPS, Tie lug strips, ASST types, 25 for \$1.00

TERMINAL WGS, ring spade, crimp types. Wide variety of sizes for all uses in clear plastic box. APPROX. 200 PCS. \$1.50

ROTARY WAFER SWITCH six different types Multi-decks and contacts \$1.25

BATHUB CONDENSERS KIT. 1 to 1 mfd up to 600 VDC. Various types 10/\$1.

HARDWARE ASSORTMENT FOR COMPUTER & RADIO ELECTRONIC EQUIPMENT such screws, washers terminals, rivets, nuts, other findings unused 2 lbs \$2

COMPUTER GRADE

COMPUTER GRADE CAPACITORS OUT OF EQUIPMENT GUARANTEED

MFD	VDC	SIZE	PRICE
900	165	2x4 RD.	\$1.00
100	250	1 1/2 x 2 1/2	1.25
1400	99	2x4	1.00
3500	52.5	2x4	1.25
12000	11	2x4	1.25

ABOVE, IN LOTS OF 6, 20% OFF.

MICA CAPACITORS used .01 600 55 in RF power .0062 1200 55 circuits. .022 1200 60 JAN CM-size .00047 2500 55 less than .005 2500 55 1 1/2 x 1-3/8. .006 2500 55 \$1.25; 5/\$5. .01 1200 45

ELECTROLYTIC (E); PAPER (P) 450 uf 25 VDC (E), 65¢ 4/\$2 1000 uf 25 V (E), 85¢ 4/\$3 40/40 uf 150 V (P), 2/\$1. 80/40/20 uf 150 V (P), 2/\$1 150 uf 200 V (P), 2/\$1.00 100/40 uf 350/300 V (E) \$1.

1 KVDC DISCS: 70¢ 1.100/\$5. UF: .0001 .0002 .001 .002 3 KVDC DISCS: 4/\$1.100/\$12 UF: .0009 .0025

TANTALUMS, 35 VDC PCB-type: 4.7 or 6.8 uf, 3/\$1.10/\$25 40 uf 25 V 2x3/8 tanta 2/\$1 47 uf 20 V 2 1/2 x 1/2 tanta. 2/\$1

POLYSTYRENES, 4/\$1. 1c/\$15: .01 uf 200 V; .009 uf 500 V

0.022 uf 100 V mylar, 4/\$1. 0.33 uf 500 V mylar, 5/\$2. 1.5 pf ceram. feed 1/2", 6/\$1

RESISTORS

3/5 W, 20¢ EA; 10/25 W, 30¢ 0.33 Ohm 11 watt RW Dale 0.5 " 10 " " " 2.0 " 10 " " " 2.43 " 3 " " " 10 " 8 " " " 30¢ 34 " 5 " " " 70 " 5 " " " 100 " 5 " " "

BLEEDER RESISTORS 700 OHMS 10 WATT, 5¢ 3900 " 25 " " FERRULE 1000 " 10 " " WW 15K " 25 " " " 15K " 3 " " " 100K " 3 " " "

1.6 OHM 220 W, 5¢, \$1.50 0.05 " 105 W, 5¢, 4x1, \$1.

PRECISION RESISTORS 5K OHMS ± WATT 0.1%, 60¢ 7.5K OHMS, 0.333 WATT 0.25%, WIREWOUND, 40¢ EA. 28K OHMS ± WATT, 0.05%, WIREWOUND, 40¢ EA. 55 MEGOHMS, 10 WATT, 1%, DALE WIREWOUND, \$1.00 EA.

DALE PRECISION POWER RES. 100 WATT (3 1/2 x 3 1/2) IN VALUES: 45Ω (3%), 120Ω (1%), 450Ω (1%), 1400Ω (1%), \$2.50 250 WATT (4 1/2 x 3 1/2) IN VALUES: 600Ω (1%), \$3.00

125 WATT 2.9 ohm 1%, \$3.25 250 WATT 1.0 ohm 5%, \$4.00

260 ohms 5 watt 1%, 2/\$1. 4K ohms 3 watt, 1 1/2 2/\$1.00 10K ohms 150W, 6x1 1/2, \$1.75 75 ohms 50 W, 5%, 4x5/8 \$1. SLIDER VARIABLE WATT RESISTOR 15 ohm 35 watt, 10%, \$1.00 10 ohm 75 watt Ohmite \$1.50

HIGH VOLTAGE TRANSFORMERS


PRI	HZ	SECONDARY	SIZE	WT	STOCK #	PRICE
117v	60Hz	375v 40MA 2/6.3	.6A 2x4x2x4	4LB	#24003	\$3.95
115v	60Hz	470vct 40ma	4x2x2x2	81b	682-3023	\$5.95
115	60	350 CT/26 MA	2x3x3x3	4	647-6762	3.95
		5/3.0 A				
115v	60Hz	885/545 600ma	6x2x6x6	33 lbs	#4327	\$12.95
115v	60Hz	810v 220ma	4x3x4x4	6 lbs	#3252	\$ 9.95
		6.3vct 4a/5v 3a				
115	60	110v/100MA, 50VCT	4x3x3x3	10	KAL#2334	6.95
		5A, 25VCT, 15A.				
		14VCT 2.5A.				
115v	60Hz	330-350-370	5x6x6x7	33 lbs	#6524	\$15.00
		@ 2.5 amp				
115	60	820VCT, 120MA.	4x4x4x4	10	#7629831	6.95
		5.0V 2A.				
120	60	750VCT, 12MA, 6.3	3x3x4	7	229613.28	4.95
		V2A, 2/5V2A, 2.5V2A.				
115v/60Hz		405VTAPS/5v2a/400V10MA/	4x5x4	12LB		
		350V70MA. 6.3/4A/6.3V.6A			#3C1538	\$4.95
115-	60	325 TAPPED 300	2x3x2x2	3	821-4954	3.95
132		275, 250, 70 MA				
120	60	6.4/1A 3/6.4-.3A	2x3x2	1	645-0612	2.25
115	60	27v4.3a/2.6v3A.	5x5x5	15	D161915	9.95
		4.1v5.1v6.4v3A.				
115/60Hz		360VTAPS/7/332/346v.125MA	228v.015			
		6.6VCT 4.2A	4x5x3x4	12LBS.	#7489394	\$3.95
105-	60	6.3/8A/3A/15A	4x6x4	15	827-2133	9.95
125		400CT@100MA				
115/230 V	800 VCT	120 MA; 5x5x4x4	20	KS-9779	6.95	
		50-60 Hz 6.4 V 4.5 A; 5 V 2 A; 6.3 V 0.6 A				
115/60Hz	700VCT	.050A 5v3A	4x3x3x3	9	LBS#TFA03Y	\$3.95
115 V 60 Hz	650 VCT	20 MA; 3x2x2x4x4	10	#8734,	\$2.95	
		6.3 VCT 2.5 A.				
115 60	6760 V	60 ma 11x8x6	35	#1000A-358	\$25.	
		(25 KV test, insulators 3x high)				
115v 60Hz	110v @ 30ma	3x2x2x2	31 lbs	#5569	\$3.95	
		6.3 @ 3.2a.				
115	60	302 @ 100MA	3x3x2x2	5	899-4680	\$3.95
		287 @ 50MA				
115/230		660CT@60MA RD3x4x4	8	229608-110	5.95	
50/60		CY 6.3 @ 5 A (FOR TG-34 KEYS)				
115	60	150V@ 500 MA.	3x4x4x4	11	T127J387	5.95
		6.3V@3A, 6.3V@1A.				
115	60	510VCT @ 100 MA.	3x4x3x3	7	229612.21	3.95

LOW VOLTAGE TRANSFORMERS

PRI	HZ	SECONDARY	SIZE	WT	STOCK #	PRICE
115v	60Hz	6v/1a 45vct/.5a	3x2x2x2	2LB	#1461312	\$2.95
115v	60	5.7 v. @ 21.8A	4x4x4x2	11LB	243-5754	\$9.95
115v	60Hz	0.3v@15a/two	5x4x3x3	11 lbs	#4094	\$20.00
		6.3v@.6/two-5@6a./5@2/5@3				
120v	60 Hz.	12.8VCT 6A.	5x4x4x3	14LBS	583-1045	\$6.95
117v	60Hz	55v @ 60ma	3x2x2x2	41b	5950-8419	\$2.95
117v	60Hz	5v@6a(1500rms)	4x3x3x3	9 "	ORD762812	\$2.50
115v	60Hz	6.5vct@24a/	6x5x4x4	20 "	647-6219	\$9.95
		6.5vct@1a/two 6.5vct@6a				
220v	60Hz	2.5vct@	4x3x3x3	9	THER-8708	\$3.95
		5vct @ 3a				
115v	60 Hz	6.3VCT 1A.	2x1x1x1	8oz.	#118667	\$2.95
115	60	TWO 30 CT/15MA	2x2x2x3	5	648-4774	4.95
		6.3/4.0 A				
115 60	6 V 15 A/1.5 V	200 ma 3x3x3x3	8	M-1018A	\$4.	
115 50-400	34/2.7 A	4x4x4x4	14	853-6026	\$4.50	
		3.0/250 MA				
115 50/60	5 @ 1.5 A	RD.4x2x2	6	869-2849	\$4.95	
		5 @ 1.0 A				
120v	6	3/6.3VCT .6A	2x3x2x2	1LB	TFA01YY	\$2.95
125		8.5 TAP 3.5V 1A				
117 60	31v@3.27A, 15.5v	3x4x4x4	10	5950-9195	\$3.95	
		25A, 23VCT@.21A.				
		.4v @ .85 A.				
215 V 60 Hz	2.5 VCT 10 A.;	4x3x3x3	12,	#2253	\$2.95	



PRI: 115 V. 60HZ
SEC: 1500V 300MA
TAPPED 400 V.
4x3x4x4; 16LBS.
#J-6035, \$12.95



PRI: 115 V 60CYC
SEC: 850CT 280MA
280CT 10MA
5 v 5 A.
6.3 v 600MA
36 v 5 A.
5x5x5x7; 28 LBS.
#5950-646-3943
\$6.95



PRI: 105/115/130/
145/160/180/200/
225/250/V 25-60CYC
SEC: 780VCT@65MA.
2.5 v @ 2 AMP
6.3 v @ 4 "A"
5x5x5x4; 13 LBS.
229619-4 \$2.95

PRI: 115 VAC
50-70 Hz.
Sec: 750 VCT
225 MA,
12.6 VCT 6 A
5 V 3 A
6.3 V .6 A
6x4x2x5, 20 lbs sh
#7554, \$14.95

PRI: 115V50/60Hz
Sec: 1860VCT
130 ma. 1500 wv
5x4x4x4; 18 lb
SMB202-909 \$15

PRI: 115V50/60Hz
Sec: 2340 vct w
245 ma. 3940 wv
350 v. @ .016a.
7x5x6x4; 35 lbs.
SMB202-907 \$20

PRI: 115 V 60 Hz
Sec: 1120 VCT 40C
ma, 950 VCT 150
ma. 6x5x5x8,
38 lbs. #TRC-29/
SMB-20291 \$16.95

PRI: 115 V 60 Hz
Sec: 900 VCT
88.4 MA
5x3x4x4; 12 lbs.
#746-7167 \$9.95

PRI: 115 V 60 Hz
Sec: 4500 V 5 ma
5000 W
5x3x4x4; 12 lbs.
#TFA02YY \$12.95

ISOLATION

SOLA ISOLATION
PRI: 118 Sec: 118
60HZ 50 WATTS
CONSTANT VOLTAGE
3x5x4; 10 LBS.
SOLA NO. 21-197
UNUSED \$14.95

SOLA ISOLATION
PRI: 95-130 v 60
SEC: 118 100 WATT
CONSTANT VOLTAGE
5x8x3; 15 LBS.
SOLA NO. 22-397
USED \$20.00

10V 75 A

PRI: 220 VAC 60HZ
Sec: 10 VCT 75A.
Requires 6 mfd
capacitor 660 AC
6x4x4x5; 24 lbs.
#1166114781 \$18.95

PRI: 115V
60 CYC
SEC: 2 V.
30 AMP
3x3x4; 4LB
5950-829-8618 \$2.95

FOR R4-62 RECTIF.
USED TO POWER
SCR-522 REC-TRANS
PRI: 110/220 VOLT
40-60 CYCLE
SEC: DC VOLTAGES
300 @ 230 MA
BIAS 50 @ 8 "
13.4 @ 3.9 A.
6x5x8; 30 LBS.
#3340-296-862-192
PRICE: \$7.95

FAIR 818 TRANSFORMER

PRI: 115 VOLT 60 HZ.
SEC: 500 VCT. 80 MA.
24 v. 2 A.
5 v. 3 A.
2x3x2x2; WT: 3 LB.

ART-13 MODULATION

ART-13 MODULATION
TRANSFORMER 50 WATT
300-4000 RESPONSE
± 20B, PRI. TO SEC.
1; 1/.695, PRI. TO
SEC. 2, 1/.254, Z
PRI. 15000 Z SEC. 1
7300, TEST 4000 v.
4x3x2x2; 4 LBS.
COLLINS#677N252
RE-MOVED \$3.95



PRI: 115 V. 50/60
SEC: 3/17 V. 5 AMP
28 V. 10 "
WITH CAPACITOR
REQ. VENTILATION
4x5x7x7; 20 LBS.
GE-9T91A4074
\$14.95

PRI: 115 v. 50/60
SEC: 100 vct 1.5A
20 " 3.0A
2/20 v. 3.0A
35 v. 5.0A
WITH CAPACITOR
GE-9T91A4069
REQ. VENTILATION
5x6x7x7; 23 LBS.
\$12.95



MODULATION
TRANSFORMER
WATTS: 40
RES. IMPED.
PRI: 113 OHM 5700
SEC: 72 " 2280
FOR 2/807 TUBES
3x2x2x3 WT: 3LBS
#22K9634.21
PRICE: \$3.95



MODULATION TRANSFORMER
100 Watt
RESPONSE 200 to 5000
PRI: 7000 SEC: 7000
F/BC-191/375 TRANS.
size 3x4x5 WT. 5 1/2 lbs.
stock # 266191/T1
Price \$3.95



100 WATT
MODULATION
TRANSFORMER
PRI: 7500 OHM CT
30 000 "
SEC: 3000 OHM
35W 200 MADC
600 CT. 1 W
MS TEST
1, 2, 3 500 v.
OTHERS 2500 v.
200-3500 CPS.
4x4x4x4; 11LBS
#5950-646-3092
PRICE: \$4.95

TRANSFORMERS LISTED BELOW HAVE 115 VOLT 60 HZ PRIMARIES UNLESS OTHERWISE STATED

Sec: 18 V 5.4 A, 26 V
1 A, 6 V 900 ma, 25 V
500 ma, 35-10-0-10-35
V 5 A. 4x4x4x4, 16 lb
#401-21 unused \$8.95

Sec: 40v 2.5A/6.3v 1.5A
3x3x3x5; 10 LBS.
#43278 \$4.95

Sec: 125 v. 500 MA.
6.4 v. 3 A.
SIZE: 3x3x3x3; 5 LBS.
UR#46070-16 \$4.95

Sec: 30 vct 560 ma 40
vct 450 ma 2x2x2x2; 2
lbs. #401-6 \$3.00

Sec: 450 VCT 250 MA.
40 VCT 1 A. 2/6V 1A
SIZE: 3x3x3x4; 9 LBS.
LRC#702-704-00 \$6.95

Sec: 50v@100MA/3v@100
MA/40V@1.5A/40V@200MA
SIZE: 2x2x2x2; 2 LB.
URC#372993-1 \$3.95

22 VCT 75 A

PRI: 115 VAC
60 HZ
SEC: 22 VCT
75 AMP
5x6x6x6; SM
WT: 46 LBS.
#NCR8318001, \$35.00

24 V. 4 A

PRI: 5 v. 60 HZ.
SEC: 24 v. 4 AMPS.
3x3x3x3; 5 LBS. NEW
#CARSON-4892 \$4.95

PRI: 115 volt 60 cycle
SEC: 24 vct @ 15 amps
or 12 vct 30 amps full
wave. Runs hot; venti-
lation required.
4x4x4x3; 14lbs.
PR-6412 new \$15

PRI: 115 VAC 60 Hz
SEC: 460 VCT 50 ma
6.3 VCT 2 amps
3x2x2x2 4 lb #7514 \$3.

PRI: 115 VAC 60 Hz
SEC: 900 VCT 160 ma
4x5x3x3 8 lb #74618 \$4

PRI: 105/115/
125 V 60 HZ
SEC: 460 VCT
255 MA;
5 VCT 3 A;
12.6 VCT 3 A
SIZE: 6x4x4x4; 16 LBS
#HE-131P, USED, \$5.95

PRI: 115/230
VAC 60 Hz
SEC: 30 V 4
amps, 11 V 4
V 4 A,
20 V .5 A
3x2x3x3, 8 lbs

PRI: 115 VOLT 60 HZ.
SEC: 130 VCT @ 200 MA
SIZE: 3x2x2x2; 2 LB.
URC#8316423 \$2.50

Sec: 26.8 vct 1 A. 2x2
2x2, 2 lb. #401-17 \$3.

PRI: 210-250 v. 50/60
Sec: 13.7 v. @ 1 amp.
6.3vct @ 4.75 amp
4x3x3x3; 10lb
229600-84 \$10.00

PRI: 230 VAC 60 Hz
SEC: 6.3 V tapped 5.67
V 20 amps. 5x4x3,
7 lbs. #CS58590, \$8.95

SEC: 175 VCT 100 MA.
75VCT 200 MA. 80 VCT
100 MA. & 5 v. 200 MA.
SIZE: 3x2x2x2; 2 LBS.
URC#720660-1 \$2.95

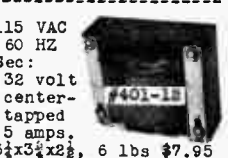
SEC: 60 VCT 1 A.
6.3 v. 100 MA.
SIZE: 3x2x2x2; 2 LBS.
URC#55-28224-1 \$2.95

SEC: 40 VCT 1 A.
SIZE: 3x1x2x2; 1 1/2 LBS.
URC#56000 \$2.95

SEC: 24v2a/6.3v100MA
24v100MA. SIZE: 3x3x3x3
4 LB. URC-LT-646\$4.95

SEC: 30 vct 200 MA.
45 vct 100 MA/2.5v30M,
SIZE: 2x1x1x2; 1 LB.
URC#374501-1 \$2.95

Two 6.3 volts @ 8 amp
6.3 v. @ 7.5 a. 6.3 @
5 amp. 4x4x4x5; 17 lb
#292-5655 \$9.95



115 VAC
60 HZ
SEC:
32 volt
center-
tapped
5 amps,
3x3x3x2; 6 lbs \$7.95

SEC: 125 V tapped 90
volts 3 amp. 4x4x3x3,
10 lbs. #225-3992, \$12

22 VCT 3 A.

80 VCT 1.5 A.

PRI: 100, 115 v. 60 HZ.
SEC: 22 VCT @ 3 AMP.
80 VCT @ 1 1/2 "

SIZE: 3x3x3x4; WT: 8 LB;
#3592890015 \$4.95

PRI: 115 v. 60 HZ.
SEC: 62 v. 10.8 Amp
7x5x7; 33 lbs.
8321 \$15.00

PRI: 115 v. 60 HZ.
SEC: 860 VCT @ 510 MA
5.2V@6a. size: 7x5x5x5
32lbs. #KS-8565 \$10

PRI: 115 volt 60 cycl
SEC: 30 vct 10 amps
3x3x3x3; 7 lbs.
#80-120003-2 \$10.95

PRI: 115 volt 60 cycle
SEC: 30 vct 15 amps
4x5x3x3; 15lbs.
#80-120002-01 \$16.95

PRI: 115 VOLT 60 HZ.
SEC: 35 VCT @ 1 AMP.
6 v. @ 300 MA.
SIZE: 2x2x2x3; WT: 3 LB.
LRC#1341155-2 \$2.50

PRI: 115 VAC 60 Hz
SEC: 45 VCT 500 ma
6 v 500 ma
Size: 3x3x2x2; 2 lbs.
URC#203A6725-10 \$2.50

PRI: 115 VAC 60 Hz
SEC: 500 VCT 100 ma
6.3 V 1 amp
Size: 2x2x2x3 4 lbs.
#URC816213 \$3.95

SEC: 500VCT 35MA/24V.9A
6.3v.9a/6.3v .3a/4LBS.
3x3x3x3; #RM13-317 \$2.95

TRANSFORMERS

10 V 12 A
Pri: 115 V 60 Hz
Sec: 60 VCT 12 A
50 VCT 3 A
5x5x4 1/2, 18 lbs.
#MEND-18903 \$15.

32VCT 8A
Pri 105/110/115
50 60 Hz
Sec: 32 VCT 8 amp
4x3x3 1/2, 6 lbs.
North 6012143 \$6.



PRI: 115 V 60 Hz
SEC: 15 V 3 AMPS;
13 V 2 A;
6.3 V 7 A.
WITH CAPACITOR,
4x3x3 1/2, 13 LBS.
#PV-175-9, \$5.95

PRI: 115 V 60 Hz
SEC: 12.5 V 2 AMP
150 V 2 AMPS
4x3x3 1/2, 13 LBS
#773605, \$6.95

Pri: 115 v. 60 HZ
Sec: 300 V. 500MA
6 V. @ 2.5A
5 V. @ 1.5A
3 1/2x4 1/2x4; 13 lbs.
#SKN-300-500#7.95

Pri: 115 V. 60 HZ
Sec: 1280VCT 350
MA/6.3V 7 A.and
5 V. 4 A.
5 1/2x4 1/2x5 1/2; 22 lbs
#HGP-35 \$16.95



Pri: 115/230 VAC
50-60 Hz
Sec: (12 V 14 A.
by wiring 12 V
secondaries in
parallel) or
12 V 9 A, 12 V
3.2 A, 12 V 2
amps; also 44 V
2.5 amps.
5 1/2x4 1/2x4 1/2; 22 lbs
#P-601719, \$9.95

MICROPHONE TRANS
PRI: 40 OHMS
SEC: 75000 "
SIZE: 1 1/2x1 1/2x2
WT: 2 oz.
279986-2/RM-12
PRICE: 75¢

AUDIO MATCHING
OUTPUT TRANSFORMER
Pri: 5000 ohms
.015 adc Sec: 200
& 4 ohm, 1-10 kc
-30dbm. 2x2x2x3
1 1/2lbs \$3.95
5950-645-1855

Microphone Transformer
Pri: 1 ohm
Sec: 2000
1 1/2x2x1 1/2
3TW22966A
Price \$5.9



TUBE CHECKER TRANSFORMER
SIZE: 4 1/2x4 1/2x4 1/2 LB
STK.# 229313.667
PRICE: \$4.95



PRI: 26/115/230 V
60 HZ.
SEC: 13 V. 8 AMPS
TWO 230V WINDINGS
TO SUPPLY 370 VDC
600 MA.
5 1/2x5 1/2x5; 22 LBS.
279613.514 \$7.95

PRI: 115/230V 60HZ
SEC: 5 VCT 10 AMP.
3 1/2x3 1/2x3; 8 LBS.
#7346 \$4.95



**ALL PRIMARIES
115 VOLT 60 CYCLE**
SEC: 6v. @ 500 MA.
1 1/2x1 1/2x1 1/2; 3 oz.
URC#1378648 \$1.25

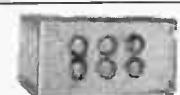
Sec: 6.3 v. 1 amp
1 1/2x1 1/2x1 1/2; 4 oz.
BE16073-001 \$1.50

SEC: 2/14 v. 600 MA
2 1/2x1 1/2x2; 1 LB.
VARNEY 214/6 \$1.95

SEC: 2/30 v. 250 MA
2 1/2x1 1/2x1 1/2; 4 oz.
URC#60605 \$1.50

SEC: 13 V. 1.5 A
3 1/2x1 1/2x2; 2 LBS.
#EDI-0-2, \$2.25

SEC: 24 V 1 AMP AC
3 1/2x1 1/2x5/8x2; 3 LBS.
#PC-977, \$2.95



AUDIO OUTPUT TRANS
PRI: 450 OHMS
SEC: 300/4000 OHMS
IMPEDANCE
PO/BC-348
STK# 2C4348M/T
2x2x4 WT. 2 1/2 LBS.
PRICE: \$1.00



OUTPUT TRANSFORMER
NP/NS-1.77/6.5,50
TO 5000 CYC. 5MA.
SIZE: 2x2x2
GEM 7465623-1
PRICE: \$7.75

LOW VOLTAGE TRANSFORMERS

ALL PRIMARIES 105/110/115
120/125 VOLTS 60 CYCLE.

SEC: 6.6 v. 1.8 AMP
3 1/2x3 1/2x4; 12 LBS.
GE#9T35Y159 \$4.95

Sec: 6.3v 2.75A/6.3
V 5.5A, 2.5 KV test
5 1/2x3 1/2x3 #7629805 \$6.

Sec: 6.3 V. 5 amp. 8 KV insu-
lation. 5x3 1/2x3; 7 lbs.
#059-2414 \$5.95

Sec: 5 v. 6 amp. 2000v.test
3 1/2x3 1/2x4; 7lb ORD7629812 \$4

Sec: 6.3 VCT 3 A 2.5 KV tes
3 1/2x2x2 1/2, 3 lbs. #P-6446 \$4.

Sec: 6.3v.3.1a/6.3v.2.5a/6.3
v.4.5a/6.3v.3.0a/2-5.0amp.
TF1A011A \$3.95

Sec: 5vct @ 4a/5vct @ 2a/
6.3v @ 1a. 3 1/2x3 1/2x3; 6 lbs.
Bendix L217336 \$3.95

Sec:3/6.3v.2a. 5v @ 3a.
3x4; x3; sh. wt.7 lbs
GE800114 \$3.95

Sec: 2/6.3v @ 2a 2 1/2x3 1/2x2 1/2;
2 lbs. sh. #0555 \$3.95

Sec: 6.5 vct @ 3.4a/6.5vct
@ 13.7A/5.2v @ 6.3A/5.2v @
2.1a. 4 1/2x3x6; 15 lbs.
TRC-3MB-202910 \$6.95

Pri: 220 volt 60 Hz.
Sec: 6.3 " 20 amp.
4 1/2x3 1/2x3; 8lb. XAL16809 \$7.95

Pri: 210/220/230/240v 60 Hz
Sec: 5 VCT 10 amp. Stand of
insul:1 1/2". Wilcox 96C Trans
5 1/2x4 1/2x5; 10 lb.
229600.42 Kenyo 10694 \$10

PRI: 115 VOLT 60 HZ.
SEC: 850V 225MA.
500V 125MA @2/5.1V@3A.
6.3v.2.5a/6.3v.1.25/6.3v.1.1A
6 1/2x6 1/2x5 1/2; 25 LBS.
#188-7474 \$9.95

PRI: 115 v. 60 HZ.
SEC: 900 VCT 130 MA.
5x5x3 1/2; 13LB. 279612-38 \$E

PRI: 115 VAC 60 HZ.
SEC: 2/150 V. 940 MA
5x4x3 1/2, 9 LBS. #U7450 \$10.

MICROPHONE TRANSFORMER
PRI: IMPEDANCE 50 OHM 30MA
SEC: IMPEDANCE 500 OHM
FREQ. RESPONSE 400-1900cps
SIZE: 1 1/2x1 1/2x1 1/2; WT: 8 oz.
\$1.00 T-204/PP-115

LINE TRANSFORMER INPUT
PRI: IMPEDANCE 500 OHM CT
SEC: " 500 "
FREQ. RESPONSE 600-12000cp
SIZE: 2 1/2x2 1/2x2; WT: 1 LB.
T-203/PP-115 \$1.50

Pri: 115
60 cycle
Sec:
1000-750-0
750-1000
@ 300 ma
size 7x6x
5 1/2; 22 lbs
Mend-UTC Type 46 \$25.00

Pri: 115/230V.60 Hz
Sec: 920 VCT 700 MA.
Four (4) 6.3 V. 8 A;
5V 6 A, 5V 2A.
Size:5x5x6; 19 lbs.
Paeco No.910-96 \$15

Pri: 115/230 v. 60 cycle
Sec: 920 VCT 500 MA.
Size:5x7x5; 19 lbs.
Paeco No. 910-5-95 \$14

HIGH VOLTAGE TRANSFORMERS

DC POWER SUPPLY
PRI: 115V 60 CY
SEC: -8000 v.
@ .25-1 MA.
-120V @ 15 MA
-24V @ 1.2 A
-16. V @ .45 A
SIZE:4x4x9 1/2; WT: 15 LBS.
#GE9T63Y2280G03 \$14.95

Pri: 115 VAC 60 Hz
Sec: 6.5 VCT 24 A, 6.5
VCT 6 A, 6.5 VCT 6.5 A,
6.5 VCT 1 a (parallel
37.5 A) 6x5x4 1/2, 22 lbs.
#5950-647-6219 \$14.95

Pri: 115 VAC 60-400 Hz
Sec: 6.3 V 3 amps
Size: 3x2x2, 2 lbs.
NE#185044 \$2.95

PRI: 115 VAC 60 HZ
SEC: 900 VCT 250
MA.
4 1/2x4 1/2x3 1/2; 15 LBS.
#SS-S-P243, \$9.95

PRI: 115/230 v. 60 HZ.
SEC: 520 VCT @ 90 MA.
6.3V/1 1/2 A. 6.3VCT 4A.
SIZE:4 1/2x5 1/2x3 1/2; WT: 7 LBS.
#TB1RX03LB/FGC-29 \$5.95

CHOKE FOR ABOVE 10/25 HY.
125/15 MA. 4 1/2x3 1/2x4 1/2; 4 LBS
#TF1RX04LB/FGC-29 \$3.95

Pri: 115v 60 Hz
Sec: 350 vct 25 ma
5.0 C 3 amp
3x3x2 1/2; 3 1/2 lbs
229613.77 \$3.95

Pri: 115/230 VAC
50-1000 Hz
Sec: 310 V 100 ma, 3/6.3
8 amps, 6.3 V 10 A
Size: 5x1 1/2x4, 14 lbs.
NEC#110001, removed \$10

PRI: 105-110-115
120-125
SEC: 560CT 75 MA
365 V 150 MA
TAP335 V
3x5x3" 8 LBS.
TF1A02JA \$1.95

NOISE FILTERS
RADIO INTERFERENCE
250 VOLTS ac/dc
3 AMPS. F-311/U
3 1/2x4 1/2; 12 OZ.
SNSN N175050968-
5555 \$3.95

FILTRON FA-380 3x10 AMPS
28 vdc 3x3x1 1/2 \$2.50

CORNELL-DUBILIER NF10501
4 AMP 50vdc 2 1/2x2x2 \$2.00

TOBE FILTERETTE 1426, 7.5
AMPS 500 vdc 2 1/2x1 1/2x1 1/2 \$2

TOBE 1163F-23 10 AMP 30 v
DC 2x2x1, w/BRACKET \$2

SPRAGUE JX-51K 10 AMPS, 100
VDC. SIZE 2x2x1 1/2 \$2

Pri: 110/220/440 v
50/60 CYCLE
Sec: 24 v 5 AMP
6 v 1 "

Pri: 115 v 60 Hz
Sec: 12.6vct 2 amp
1500 v test,2x2x2
used #P-8130 \$1.95

CIRCUIT RESET FOR
4 1/2" sq. BX. MTG.
7x4x5; 10 LBS.
FOSTERD 15866 \$6.95

PLUG-IN TRANSFORM
PRI:115V 60HZ
SEC:24V 20VA
2 1/2x2x2; 2LB.
BE#8002 \$1.50

PRI: 115 V 60 C
SEC: 6.3 V 3.6 A
15 V.004 A
15 V.004 A
SIZE:3x3x3; 4 LBS
STK#ORD7629806
PRICE: \$1.50

CONSTANT VOLTAGE TRANSFORMERS; 95 TO 130 VAC 60 HZ PRIMARY; WITH CAPACITORS. SOLA AND OTHER MFGS. REMOVED FROM EQUIPMENT.
Sec: 6.3v.2.38a
ac 5 1/2x3 1/2x2 1/2; 8lb
581-5333 \$5.95

SEC: 24 VDC 5 AMPS
SIZE: 4 1/2x3 1/2x5 1/2 LB
#22661-1 \$9.95

SEC: 25-27VDC 3.5 A
AMPS; 5x3x4 1/2; 11LB
#22662 \$6.95

SOLA CONSTANT VOLTAGE
Pri: 95-190 130-260
Sec: 118V@.24A 500VA
7 1/2x12 1/2x5 1/2; 55 lbs
Sola#23-22-650 \$40.00

Sec:118 V. 2.2 A.250VA
9 1/2x4 1/2x7; 33 lb
Sola#23-22-125 \$22.00

Pri: 95-125
Sec: 115v @ 2.18 amp
Sola#30807 \$20.00

Sec: 115 v. @ 1.04 A.
Sola#30806 \$15.00

Pri: 100-130 volt
Sec: 6 volt 25 amp.
Sola#302237 \$15.00

Pri: 190-280 volt
Sec: 118 volt 8.48amp
Sola# 20-20-210 \$35

Input: 175-255 VAC
47-63 Hz
Output: 240 VAC 4 KVA
11 1/2x18x7 1/2; 65 lbs sh
Topaz #902-15929
Used, \$85.00

Pri: 1/2/4/10/20/
40/100/200/400/
1000/2000
Sec: 40 v. 100 MA
6x7x5; 20 LBS.
ESPEY T-41627 \$8

Pri: 115v 60 Hz.
Sec: 130vct 100MA
6.3v 2A. 5v 2A.
4 1/2x3 1/2x4; 8 LBS.
URC#EK211-PAL18 \$8.95

Pri: 115v. 50-1600 HZ.
810VCT 125MA/570VCT 75MA.
2/5v 2A/6.3v 3.25A/2/6.3.65
4 1/2x5 1/2x4; 18 LBS.
C-1367048 \$8.95

Pri: 117 v. 60Hz
Sec:1250v. 2made
4.6vVDC TEST
2.5 v. 2.1 A
2.5 v.1.75 A.
4 1/2x3 1/2x3; 10 lbs
#3340*11866 \$7

Pri: 115 v 60 Hz
Sec: 1120 VCT 600
ma, 300 V 40 ma,
6.3 V 4 A, 5 V 6
A, 5 V 2 A,
7 1/2x9x6 1/2, 51 lbs
#R1000-307 \$20.

CONSTANT VOLTAGE
SEC: 6.5 v. 12 AMP
PRI: 95-130v 60 HZ.
SIZE: 3 1/2x4x4; 15 LBS
SOLA#302473 \$9.95

MAGNETIC AMPLIFIER
115,400 cy/
HEATER/D.C
REFERENCE/
CONTROL.
KEARFOTT#425957-1A/SPERRY
622033. 3x2x2; 1 1/2 LB.
5950-712-3882 \$3.95

PRI: 2/115 VAC 50-60 Hz.
SEC: 5 VCT 2 A; 5 VCT 4 A;
6 VCT 3.5 A;
115 V RMS 600 MA.
SIZE: 4 1/2x4 1/2x3; WT: 15 LBS.
#89-G-2730, USED \$4.95

MODULATION
MODULATION TRANSFORMER
Pri: 3000-3000
Sec: 4250 7.5 KV
Max. DC oper. 15 KV
13x10x10; 90 lbs.
American Trans.#31005
5950-228-0821 \$45.00

Collins 2500 watt modul-
ation,677-1040-00
Pri: 12500 Sec; 5000
Test volts 7500
Response 400-5000
9x9x9; 75 lbs.
5950-235-6867 \$39.50

Audio Development6977
Modulation,plate to
plate 15,800 ohms.
4500 .900a DC, 7500
.535ADC, DB 400-3000CFB
11x8 1/2x10 1/2; 110 lbs.
5950-568-4831 \$50

Pri: 120 V 60 cy
SEC: 2.5 V 10 A.
NO C.T. INS.LOW.
4 1/2x3 1/2x5; 8 LBS.
#229611.144
\$2.95

5 V 20 A
Pri 105/115/210/
220 VAC 50 60 Hz
Sec: 5 V 20 amps,
6400 WV
5 1/2x4 1/2x3; 13 lbs.
#791-0637, \$12.95

Pri: 115v 50-133cy
SEC:20 VOLT LOAD
OR 12.5V @ 2 AMPS
MOUNTED ON 4" RD.
ELECT. BOX COVER
3x3x2 1/2; 2 LBS.
#FR-24960 \$1.25

CHOKES

12 HY 500 ma 77 ohm
5x5x5; 22 lbs #9230 \$10

10 HY 225 ma 78 ohm 500v
4x3x5; 12 lb #3C26009 \$6

4 HY 400 ma 35 ohm 1.07 kv
5x4x3 10 lb GE9T35Y231 \$6.

4 HY 650 ma 25 ohm 1.07 kv
6x5x4; 20 lb GE7485547 \$9

10 HY 1b0 ma 130 ohm 1680v
2x2x5; 5 lb SMB-202915 \$4.

10 HY 400 ma 55 ohm 700 wv
5x4x6; 25 lbs SMB203042 \$7

10 HY 125 ma 2 KV 500 V to
gnd. 4x2x4; 6lb #52-3 \$4

10 HY 225 ma 100 ohm 500 v.
4x3x5; 6 lb L886944 \$4

4 HY 550 MA 40 ohms \$4.95
3x4x4; 7 lb Paeco 911-39

4 HY 250 MA 60 ohms 3000V1
3x2x3; 7 lb C-1412 \$3.95

140 HY 5v 60HZ, 10MAOC,
2700 OHMS, 2x2x3, 3 LBS
#HA-81C \$2.95

PRI: 115/230 VOLT.
SEC: 54.4vct 2.5A
37.5vct 7.8A
36.5vct 2.3A
6x5x4; 20 LBS.
SCHOTT TY4X020A
\$12.95

PRI: 117v 50/60
SEC: 6500vct
65MAOC, 4350wv
5x6x7; 35LBS
539-6504 \$25.00

HI CURRENT CHOKES unused.
#622048C, 1 mHY 25 amps,
0.03 ohm DC resistance.
Size: 3x3x3, 5 lbs \$6.95
#6221188, 4 mHY 3.7 amps DC
0.083 ohm DC resistance.
Size: 4x2x2, 4 lbs \$4.95

1.5 HY 1.5 AMP
5000 v. TEST
8x8x6; 3
SHPG. WT: 60 LB
5950-159-6041
\$14.95

12 hy 400 ma
100 ohm
2500 v test
6x5x4; 22LB
L217434 \$10

SWINGING CHOKE
12 hy 70 ma
5.5 hy 900 ma
50 ohms 115 v
60 hz.
5x4x5; 30lb
3340-8850 \$10

15 hy 100 ma
200 ohm 1600v
4x2x2; 6lb
3TAM.1037 \$2.95

10 hy 250 ma
120 ohm 430wv
4x3x3; 8 lb
3C557231-1 \$5

20 hy 110 ma
1780 vt
3x4x3; 8 lb
UX-9121 \$2.95

6.7 hy 215 ma
2100 v rms
4x6x3; 12 lbs
N-163579 \$4.95

PRI: 115 VAC 50 HZ
SEC: 550 VCT 200 MA,
5 V 2 A; 6.3 V 3 A.
4x5x4; 15 LBS. SH.
#K-44J208, \$6.95

3 PHASE DELTA
60 hz 400 wv
nominal 208 v
3phase
1940 wv
1370 v rms 52
ma rms per leg
5x5x4; 18 lb
686-6836 \$25

DUAL CHOKE
11 HY 100 MA
200 OHMS
4x4x5; WT 8
#3C557F-1
\$1.75

CHOKE; 2.5 HY
700 MA; 16
OHMS. SIZE:
5x4-3/8x4; 4
SH WT: 17 LBS
#147-1340,
\$3.95

10 HYS 500 MA
5 OHM DC RES
500 WORK VOLTS
5950-646-1383
\$5.95

PRI: 115 VAC 60 HZ
SEC: 280 VCT 75 MA; 13.5 V
1.2 AMPS; 5 VCT 3 A.
SIZE: 4x3x4-5/8; 16 LBS.
#193-8767 \$3.95

PRI: 220, 230, 240
SEC: 14v @ 5A
20v @ 5A
4x4x5; WT. 12 LB
CS8779A \$5.95

PRI: 0/116/120/
124v. 60CY.
SEC: 126v. 1.1A.
114v. 1.0A.
8x5x4; .27 LBS.
K95-1476 \$7.95

PRI: 117v 50-60CYC
SEC: 3/5v CT @ 2A
2/5v CT @ 2A
2/2.5v CT @ 10A
7x4x3; WT. 12 LB
GILFILLAN #54148-1
PRICE: \$5.95

PRI: 220/230/240V
50-60 cyc
SEC: 2.5v CT @ 10A
5x3x3; WT. 5LBS
5950-646-4773
PRICE: \$2.95

IGNITION TRANSFORMER
PRI: 230V 50/60 CY
SEC: 5000V 18 MA
ONE END GND.
6x4x3; 12 LBS.
5950-959-5359 \$7.95

POWER SUPPLY WITH
TRANSFORMER 115/
230 V. 50/60 HZ
OUTPUT 180VDC 40
MA, 6.3V 1.7A. 10
HY 55MA CHOKE. 50
WV 45 MFD. CAP
6x4 TUBE. CHASSIS
5 1/2X 4 1/4X 4 1/2; 5 LBS.
RE-MOVED FGC-29/1640 \$5.00

SPEED CONTROL
CONSISTS OF A
TRANSFORMER
IN BOX 115 V.
60 HZ. WITH
OUTPUT SELECT
OR SWITCH
MARKED OFF-HI-MED-LOW.
PLACED IN SERIES WITH A.C.
LINE & LOAD SELECTOR ALLOWS
100%, 40% OR 2% OF INPUT TC
LOAD, 100 WATTS. SIZE 4 1/2
X 4 1/2 X 3; 61 LBS.
#230428 NEW \$2.95

DAVIS DIMMER
AUTO TRANSFORMER
230 VOLT 60 CYCLE
1 PHASE WITH 5
48 VOLT
CIRCUITS THAT
CAN BE VARIED 0-
48 V. MAX. 20 A.
TOTAL.
SIZE: 10x10x7;
SHPG. WT: 90 LBS
#GR-3 \$19.95

MULTI-VOLTAGE
ISOLATION TRANS.
PRI: 73/88/95/105/
115/125/190/210/
230/250. 50/60 cy
SEC: 17.6/35.2/189
193/196/200/203
@ 1.6 AMP.
9x4x7; 40 LBS.
Z27619-6 \$14.95

0.9 HY. 120 rZ.
0.8 to 1.0 A O-C
650 v. 8.5 OHM
4x5x3; 10 LBS.
645-1233 \$4.95

0.045 HY 3.4 A D-C
.24 OHMS, 65V MAX
120 HZ. 3x4x3; 3
11LB. 4619 \$4.95

TRANSFORMER WITH
METER 0-100 AC
AMPS.
PRI: 115 vac 60cy
SEC: 10/14/19/24
W/ON-OFF SW. AND
FUSEO LINE. 140 LB
SIZE: 16x8x15;
5950-537-4950
PRICE: \$39.50

PRI: 115 v. 60 CYC
SEC: 150v. 550 MA
150v. 2.0 AMF
5.0v 5.0 "
6x6x4; 28 LBS.
5950-481-3482
5950-553-5572
\$6.95

CHUKE
0.9 HY. 120 rZ.
0.8 to 1.0 A O-C
650 v. 8.5 OHM
4x5x3; 10 LBS.
645-1233 \$4.95

0.045 HY 3.4 A D-C
.24 OHMS, 65V MAX
120 HZ. 3x4x3; 3
11LB. 4619 \$4.95

PRI: 120 v
60 CYCLE
SEC:
5.4v/2.7v
515A
5vct
15A
WITH
INSU-
LATOR
& TUBE SOCKET C6
5x5x7; 15 LBS
5950-553-5572
\$14.95

30/8 HYS 10/130 MA DC CHOKE;
500 V RMS RIPPLE, 150 OHMS;
1200 WV. SIZE: 3x4x3; 10
LBS. SH. #969-5721, \$2.95

10 HY 55 MA
2x3x3; 5 lb #47110 \$1.95

50 HY 40 MA 1780 volt test
3x3x3; 8 lbs U-7402 \$3

10 HY. 50 MA. 100 OHMS. 3x
2x2; 1LB. 3C573/341 \$2.00

17 HY. 80MA. 300OHMS. 2x
2x2; 1LB. HRO-3C326-31A \$3.

8 HY 150 MA 100 ohm \$3.95
4x3x2; 10 lb TF1A04HA

10 HY. 100MA. 263 OHM. 3x
3x2; 3LB. #228-1859 \$3.25

12 HY 80 MA 375 ohm \$1.50
3x2x2; 2 lbs. SKIN20053

150 MA AVAILABLE VARIOUS
HY TELL US YOUR NEED.

3 HY 350 MA 30 2K PV; 3x
4x2; 6 lb. I-225/PL15 \$3

5 HY. 400MA. 60 OHM. 4x5x
4; 12 LB. L217432-1 \$5.00

4 WINDINGS 21 OHMS EACH.
CROSS-TALK PROOF SHEL.
3C1327A 6x2x4; 3LB. \$3.00

4 WINDINGS, AUTOMATIC ELEC
#D281723B 3x2x2; 2 LBS.
3C1400-6 \$2.75

1.5 HY 1.5 AMP
5000 v. TEST
8x8x6; 3
SHPG. WT: 60 LB
5950-159-6041
\$14.95

12 hy 400 ma
100 ohm
2500 v test
6x5x4; 22LB
L217434 \$10

10 hy 75 ma
375 ohm
2x2x2; 11lb
ADAB696 \$3

1 hy 235 ma
80 ohm
2x2x1; 8 oz
#0146 \$2.00

6.3 hy 6.24a
61 ohm
3x3x3; 5lb
814-2421 \$4

15 hy 100 ma
200 ohm 1600v
4x2x2; 6lb
3TAM.1037 \$2.95

10 hy 250 ma
120 ohm 430wv
4x3x3; 8 lb
3C557231-1 \$5

20 hy 110 ma
1780 vt
3x4x3; 8 lb
UX-9121 \$2.95

6.7 hy 215 ma
2100 v rms
4x6x3; 12 lbs
N-163579 \$4.95

20HY 200MA
151OHM 60HZ
5360V MAX.W
5x4x5; 16LB
557-6198
\$15.00

PRI: 220, 230, 240
SEC: 14v @ 5A
20v @ 5A
4x4x5; WT. 12 LB
CS8779A \$5.95

PRI: 0/116/120/
124v. 60CY.
SEC: 126v. 1.1A.
114v. 1.0A.
8x5x4; .27 LBS.
K95-1476 \$7.95

PRI: 117v 50-60CYC
SEC: 3/5v CT @ 2A
2/5v CT @ 2A
2/2.5v CT @ 10A
7x4x3; WT. 12 LB
GILFILLAN #54148-1
PRICE: \$5.95

PRI: 220/230/240V
50-60 cyc
SEC: 2.5v CT @ 10A
5x3x3; WT. 5LBS
5950-646-4773
PRICE: \$2.95

IGNITION TRANSFORMER
PRI: 230V 50/60 CY
SEC: 5000V 18 MA
ONE END GND.
6x4x3; 12 LBS.
5950-959-5359 \$7.95

POWER SUPPLY WITH
TRANSFORMER 115/
230 V. 50/60 HZ
OUTPUT 180VDC 40
MA, 6.3V 1.7A. 10
HY 55MA CHOKE. 50
WV 45 MFD. CAP
6x4 TUBE. CHASSIS
5 1/2X 4 1/4X 4 1/2; 5 LBS.
RE-MOVED FGC-29/1640 \$5.00

SPEED CONTROL
CONSISTS OF A
TRANSFORMER
IN BOX 115 V.
60 HZ. WITH
OUTPUT SELECT
OR SWITCH
MARKED OFF-HI-MED-LOW.
PLACED IN SERIES WITH A.C.
LINE & LOAD SELECTOR ALLOWS
100%, 40% OR 2% OF INPUT TC
LOAD, 100 WATTS. SIZE 4 1/2
X 4 1/2 X 3; 61 LBS.
#230428 NEW \$2.95

18 hy 50 ma/2.5 by 650 ma
440 ohm 2100 wv
6x6x5; 30 lb #6277 \$12

30/8 HYS 10/130 MA DC CHOKE;
500 V RMS RIPPLE, 150 OHMS;
1200 WV. SIZE: 3x4x3; 10
LBS. SH. #969-5721, \$2.95

VARIABLE TRANSFORMERS

PRIMARIES 0 120 130 140 60
CYCLES. VARIOUS MANUFACTURE
USED, CHECKED, GUARANTEED.

1 AMP \$ 4.95 7 1/2 AMP \$27
1 1/4 5.95 10 33
2 6.95 15 37
2 1/2 7.95 20 45
3 12.95 25 55
4 1/2 19.95 50 95

ABOVE UNITS INCLUDE DIAL
PLATES AND KNOBS.

12 VOLT 60 CYCLE INPUT;
0-3.5 V. 2 AMP OUTPUT.
POWERSTAT #5-1066 USED \$3.

POWERSTAT TYPE 21, 0-130V
4.5 AMPS USED \$20.95

POWERSTAT LW136, 30V 25A
OR 15-0-15 V 35 AMPS OUTPUT
FROM 120/240 VAC 50/60 HZ
INPUT. 28 LBS SH. USED \$40.

VARIAC V20 OR W20, 0-135V
20 AMPS; W/KNOB. USED \$45.

GE#9792Y51, 0-240V 30 AMPS
FROM 120/240V 1 PH. \$100.

VARIAC M-5/RMS11-2, 0-135V
2 5 AMPS FROM 114 VAC 400
HZ INPUT. #7486, \$12.95

VARIAC M20BB 120 VOLT 350HZ
20 AMP. MOTORIZED 115V400HZ
#5950-089-7734 NEW \$65.00

115VAC 60HZ 9AMP GANGED
FOR TWO PHASE MOTORIZED
115VAC 60HZ CN-54/F5T-1
USED, \$50. LESS MOTOR \$45.

POWERSTAT, 115v. 400/800HZ
OUTPUT: 0-130v
7.5 AMPS,
0.975 KVA.
#5950-518-
2508, NEW
\$15.95

KNOBS FOR VARIACS

2-3/8" dia. fits
3/8" shft. W/ptr.
Luxitrol, \$1.50

4" dia. w/ptr. f/3"
dia. shft. Powerstat, \$2.95

3 1/2" dia. wheel w/pointer;
f/3/8 d. sh. Ohmite, \$3.95

4" d. wheel w/ptr. f/11/16"
d. shft. KNOB-35, used, \$3.

7 1/2" DIA. WHEEL-TYPE CONTROL
W/ALUMINUM POINTER; FITS
3" SHFT. POWERSTAT, \$5.95

DIAL PLATES, UNUSED.

4" DIA. 0-100 SCALE; 7/8"
OIA. CTR. HOLE, TAKES 3
SCREWS. #BP8087, \$1.00 EA

10" DIA. 0-100 SCALE; 1 1/2"
OIA. CTR. HOLE, TAKES 4
SCREWS. #BP653, \$2.50 EA

VARIAC OR RHE-
OSTAT FACE;
SLANT FACE,
8x7x8x8
(BASE) AND 1 1/2
DEEP (TOP).
WITH 5 1/2" DIA.

0-100 DIAL PLATE, 3 BANANA
JACKS, RUBBER FEET. GREY.
OHMITE MFG. #6975, NEW, \$10.

Many other variable trans-
formers in stock, 60 and
400 Hz. WRITE us your needs.

GW-30983 VARIABLE TRANSFORMER
ASSY. PRIMARY 115/220/440
VOLT 1 PHASE 60 HZ. SECONDARY
115 V. 1 PHASE 1 KVA.
IN CABINET W/ON-OFF SW. &
FUSED CIRCUITS. SIZE 20x15x
12; WT: 200 LBS. \$60.00

10,000 VOLT

AMP P/N 845321-3
PRI: 115v 60HZ.
SEC: 10,000VAC 100MA
5x5x4; 10LBS. \$20

SCOPE XFORMERS

PRI: 115 VAC 60 Hz-535 WV
SEC: 1850 V 7.1 MA RMS
Two 2.5 V 3 AMPS
5.71 KV WVM.
#K56J54, UNUSED, \$7.95

PRI: 112/117/122v. 60 HZ.
SEC: 228v @ 15 MA.
360v @ 125 MA. TAPPED
@ 7v/332/346
6.6 v. 4.2 AMP.
5x3x3; 8LB. 229613-869 \$5

PRI: 115v. 50 to 1200 HZ.
SEC: 700VCT @ 70 MA, TAP. 65
400V @ 10MA 5W/2 A.
6.3v @ 4A. & 6.3 v @ .6A.
5x4x4; 10 LBS.
CA.F-301538 \$4.95

3.5 HY 500 MA
100 V. 60 cyc
30 OHMS 715wv
4x5x3; 10 LBS
TF1A04KA/A8649
\$2.95

20 HY 80 MA
320 ohms
2 kv insula
4x3x3; 7lb
#38054 \$4

5 HY 400 ma
50 ohm 2500vt
Size 6x4x4
wt: 13 lbs
#3521746 \$8.95

10 Hy 225MA
25 OHM
3x5x5
WT. 11 LBS.
#TF1RX04YY
\$3.95

20 HY 80 MA
320 ohms
2 kv insula
4x3x3; 7lb
#38054 \$4

5 HY 400 ma
50 ohm 2500vt
Size 6x4x4
wt: 13 lbs
#3521746 \$8.95

115VAC 60HZ 9AMP GANGED
FOR TWO PHASE MOTORIZED
115VAC 60HZ CN-54/F5T-1
USED, \$50. LESS MOTOR \$45.

POWERSTAT, 115v. 400/800HZ
OUTPUT: 0-130v
7.5 AMPS,
0.975 KVA.
#5950-518-
2508, NEW
\$15.95

PU-235/U AC to DC CONVERTER, input
115 VAC 50/60 Hz single phase 29/31
amps, 3 H.P. 2800/3400 RPM.
Output: 28.5 VDC 42/52 amps 1.2/1.5
KW. W/meter, fan. 250 lbs. Used \$165

PU-175/U AC FREQUENCY CONVERTER, input
220/440 VAC 60 Hz 3-phase, 5 H.P.
Output: 120 VAC 400 Hz 3-phase 18/26 amps,
% pf 80. 225 lbs sh. Used, \$350.00

VARIAC OR RHE-
OSTAT FACE;
SLANT FACE,
8x7x8x8
(BASE) AND 1 1/2
DEEP (TOP).
WITH 5 1/2" DIA.

0-100 DIAL PLATE, 3 BANANA
JACKS, RUBBER FEET. GREY.
OHMITE MFG. #6975, NEW, \$10.

Many other variable trans-
formers in stock, 60 and
400 Hz. WRITE us your needs.

GW-30983 VARIABLE TRANSFORMER
ASSY. PRIMARY 115/220/440
VOLT 1 PHASE 60 HZ. SECONDARY
115 V. 1 PHASE 1 KVA.
IN CABINET W/ON-OFF SW. &
FUSED CIRCUITS. SIZE 20x15x
12; WT: 200 LBS. \$60.00

VARIAC OR RHE-
OSTAT FACE;
SLANT FACE,
8x7x8x8
(BASE) AND 1 1/2
DEEP (TOP).
WITH 5 1/2" DIA.

0-100 DIAL PLATE, 3 BANANA
JACKS, RUBBER FEET. GREY.
OHMITE MFG. #6975, NEW, \$10.

Many other variable trans-
formers in stock, 60 and
400 Hz. WRITE us your needs.

GW-30983 VARIABLE TRANSFORMER
ASSY. PRIMARY 115/220/440
VOLT 1 PHASE 60 HZ. SECONDARY
115 V. 1 PHASE 1 KVA.
IN CABINET W/ON-OFF SW. &
FUSED CIRCUITS. SIZE 20x15x
12; WT: 200 LBS. \$60.00

ANTENNAS

MP-22 MAST SECTION MOUNTING BASE WITH SWIVEL THAT WILL TIP TO 90 DEGREES, RIGHT OR LEFT AND WILL LOCK IN THE VERTICAL POSITION. WILL TAKE MS-53 OR MS-54 MASTS AS THE STARTING SECTION. MOUNTING PLATE SIZE: 5x6 HEIGHT OF BASE 10". WT: 10LBS. \$4.95

MP-22A SAME AS ABOVE EXCEPT THE STARTING SECTION IS MS-51 AND YOU CAN ADD MS-50 & MS-49. \$4.75

MAST SECTIONS (shown to left) 3 ft. painted, copper-coated tubular steel. Sections screw together to make desired length. with MS-49 as top--then MS-50, -51, -52, and -53. MS-53 can be screwed into another MS-53 for added length. (MS-53 also screws into MS-54, -55, & -56, none of which are available.) Sections self-supporting to 15 feet. Taper 5/8" to 3/16"; 1 lb sh wt per section. May need paint but usable. MS-49-50-51-52, used 75¢ ea. Unused \$1.25 MS-53 section, used \$1 each. Unused \$1.50

CW-206 ROLL BAG for MS-116-117-118 mast sections; 40" Lx3"Hx5"W, used, \$5.00

ADAPTER BASE WITH INSULATOR, MAST SECTIONS MS-52 OR MS-53 WILL SCREW INTO THE TOP, AND ADAPTER BOTTOM WILL SCREW INTO MS-52 OR MS-53. CAN BE USED TO ISOLATE SECTIONS OF WHIP OR DIPOLE. SIZE: 1 1/2x8; 1 1/2 LB. NT-66023 \$1.95

FT-237 MOUNTING BASE for SCR-503 transmitter-receivers; 75 lbs sh. 7/8" OD 3/8" Bore corrosion \$24

MP-41 MAST BASE bracket for all mast bases which need 2" hole mounting 8x14x10, 7 lbs. \$5.00

AB-15 BASE FOR WHIP ANTENNA SECTIONS MS-116-117 118 ALSO AB-21-22-23-24. SPRING ACTION WITH INSULATOR 3 1/2x3" AND COAXIAL CONNECTOR FOR USE WITH PL-259. REQUIRES 2" HOLE FOR MOUNTING. SIZE 15 X 3 WT: 2 LBS. \$4.95

WHIP ANTENNA MAST SECTIONS FOR USE WITH AB-15. MS-116 IS LARGEST, 39 1/2" L X .393" DIA; CAN BE STACKED. MS-117 & -118 TAPER 39 1/2" L. MS-116 OR -117, \$2.50/sec. MS-118 WRITE.

CU-92/APN ANTENNA COUPLING UNIT is a impedance matching device enabling the operation of 2 receivers from one ant. has one SO-239 & 2-binding posts and tuning adjustment 500 Khz-4 Mhz. \$3.95

A-62 Dummy Load for SCR-508-528-BC-604 \$5 A-83 " " " 608-628 " 683 \$4

AS-27A/ARN-5 Horizontal folded dipole used on BC-733, ARN-5 Receivers 108-110 mhz etc. \$5.00

AT-2/APN-2 DIPOLE ANTENNA, 150-180 mhz \$10
AT-438/GR DIPOLE ANTENNA 15" folded, takes PL-259 coax. conn on insulated bracket. \$15

ANTENNA WIRE SOLID COPPER #10 VINYL COVERED, 250ft #4884C \$25

AS-27A

MP-54 OFF-SET BASE FOR AB-15; 50A LINE FEED. USES OFFSET 7" FROM BASE CONNECTOR. CTR. 1 1/2"H. #2A288A-35 \$7.95

20" DIPOLE w/14" SUPPORT. 230-250 Mhz; 50A LINE FEED. USES TYPE "N" CONNECTOR. #2A288A-35 \$4.95

VIS-O-GLOW NEON LIGHTNING ARRESTORS, #4392, \$1.00 EA.

MP-73 GROUND PLANE MOUNTING BASE DESIGNED TO BE USED WITH MAST SECTIONS AB-21, 22, MS-116, 117 THAT SCREW TOGETHER TO MAKE DESIRED LENGTH FOR FREQ. REQUIRED. HAS SO-239 COAX. RECEPTACLE AND PROVISIONS FOR MOUNTING TO POLE TREE OR CORNER OF BUILDING. THE MOUNTING HOLES FOR THE VERTICAL ANTS. AND THE RADIALS ARE 5/16" DIAMETER. SIZE: 10x15x6; WT: 10 LBS. PRICE: NEW \$9.95

ANY GROUND PLANE ANTENNA designed for 72.5 MC. use but can be used on other frequencies Radiator 39", radials 40". Brass & coated steel construction with SO-239 coaxial connector. Has universal wall mounting bracket that can also mount on pipe using "U" bolts. Shpg. wt: 15 lbs. COA-66089 \$10.00

AT-339/PRC-6 HOMING ANTENNA for use in the 38-55.4 MC range continuously tunable. Handheld unit has folding loop, 5-step output attenuator, 4' cable w/BNC conn. Loop is 24" high, collapsed 12x5x2 1/2 and comes in bag. wt: 6 lbs. \$10.00

ANTENNA HORN
AT-903/G ANTENNA FEED HORN f/ 600-1850 Mhz range. 50 ohms impedance; type C connection. Has locking ll-position elevation adjust. Fits 2 1/2" dia. mast. Aluminum. 35"Lx26"Hx21"W 40 lbs. Shipped via truck only. Used, \$35.00

AT-271/PRC whip antenna, throw-out type 8 1/2 7 sections with spring loaded retaining cable to keep sections together in contact, folds up when not in use. \$5
AT-272 Goose neck flexible base 8" used with flat antenna on PRC sets. \$2.
AT-272 Flat antenna 30" long used with above goose neck on PRC Sets. \$3.
CU-51048 WHIP ANTENNA Telescoping, 7 ft. extended, 15" collapsed. \$2.50
AN-109 WHIP ANTENNA 5' tall, tapered \$1.50
AN-119 " " " 6' tall. \$1.50
MP-74 GOOSENECK BASE for MS-118/AB-23 Mast. Sections, 14" lg. w/spade type bracket for side mounting. \$2.00
M-422 ADAPTER for using MS-116/AB-23 sections with PRC & BC-1000 as long ant. \$2.00
AN-190 HANDHELD LOOP ANTENNA for SCR-536/BC-611 Radio Set Similar to AT 339 \$12

210 TO 620 MHZ DIPOLE
AT-880 DIPOLE ANTENNA WITH CORNER REFLECTORS AND TWO FREQUENCY BANDS: 210-420 Mhz (LQ) AND 390-620 Mhz (HI). 300 WATTS POWER RATING; LESS THAN 2/1 SWR OVER RANGE. INPUT IMPED: 50 OHMS. ADJUSTABLE ELEMENTS SPREAD FROM 12" L X 7" W TO 21" L X 15" W.
DIPOLE STANDS 14" OF MOUNTING BASE. TWO REFLECTORS ARE AT 45° ANGLE TO DIPOLE, 32" HIGH AND 40" ACROSS. FOLDS TO 32x7x30. MOUNTS ON 2" DIA. MAST; 35 LBS. SHIPPABLE VIA BUS OR TRUCK ONLY. USED, \$24.95; UNUSED, \$35.00

AB-101 MAST SECTIONS FOR ANTENNA SUPPORT. STEEL MAST 2" OD. 5'8" LG. SWAGED END AND LOCKING DEVICE. SOLD ONLY IN SET OF SEVEN WITH CARRY. WEIGHT 100 LBS. PRICE USED \$50.00
MX-364 INSULATOR, FITS OVER 1-3/8" DIA. MAST OTHER END 1-3/8" OUTER DIA. \$1.95
AB-154 BASE WITH SWIVEL STAKE, 1-3/8" DIA. SLIPS INTO MAST SECTION. \$1.95
MX-857 ADAPTER, FITS OVER 1-3/8" DIA. MAST F/USE OF MS-116-117-118 WHIPS. \$1.95
MX-GUY ROPES ARE 3/16" NYLON, 800 LB. TEST, W/ADJUSTMENT HARD. INSULATOR & HOOK.
MX-381 GUY 40 ft. with attachments \$2.00
MX-382 GUY 31 ft " " " \$2.00
MX-1469 " 44 ft " " " UNUSED \$5.00
MX-378 GUY RING FOR FASTENING GUYS AND IS USED BETWEEN THE MAST SECTIONS \$0.50
GP-2 STEEL GUY STAKE, 1 1/2"Lx1 1/2"DIA. 1-1/8" HEAD, 1-3/8" POINT. 2 LBS. 85¢ EA. 4 FOR \$3.

ARA-31 HOMING SYSTEM

AN/ARA-31 ANTENNA SYSTEM FOR
KY-149 **CU-459** HOMING RECEIVER

For use in the 24 to 49 Mhz FM range. Complete system consists of four AT-624 24" antenna elements, two CU-459 ant. element connectors, a KY-149 keying unit w/mtg. and one SA-474 switch box. BNC connections except for one reverse pole BNC. AN/ARA-31 w/manual, new, \$50. AT-624 antenna element, \$8.00 each. CU-459 antenna connector, \$5.00 each. SA-474 switching box, \$6.00 each. KY-149 keying unit, \$25.00 each.

SPDT ANTENNA RELAY

SPDT ANTENNA CHANGEOVER RELAY, 6 vdc 20 ohm. Contacts appear to be good to 100 watts. BNC type conn 3x1x2. #5945-539-3025 unused \$7.95

AS-313/ARN-6 ANTENNA LOOP for ARN-6 Radio Compass Receiver System. 15lb \$15

LM-21 AM LOOP ANTENNA; used with radio compass receiver system in the 200-1500 KHZ band. Has 24 v. 400 cycle motor for rotating loop and autosen unit to transmit to I-82 or similar type indicators for direction. 30 lbs used \$25

AS-578/ARA ANTENNA for ARC-27, 34, 55 direction finding hoing sets. used \$25

ANTENNA CHANGEOVER

MAGACRAFT #122RX 16 coaxial relay, 12-24 VDC SPDT with auxiliary SPST normally open 10 A. contacts, approx. 100 watts, 50 ohms. Has 2 RCA plugs & one SO-239 connectors. Encased with cover. 2 1/2x2 1/2x1 1/2, 2 lbs. sh. unused \$5

ANTENNA relay; part of 30W 2 meter trans. SPDT with unused contact grounded, 60 vdc 15 ma. 4000 ohm coil. Three BNC connectors chassis, 2x1x2. unused #259-5165 \$7.95 2/\$15.00

WESTERN MICROWAVE ICL35A FERRITE ISOLATOR, 1.7 to 1.8 Ghz; 17 db isolation 100%, 0.7 db insertion loss. 2 watts ave. Has male and female type N conn. 2x3-3/8x1 1/2, \$15.

AUTOMATE COXIAL SWITCH, MODEL 94CSA, used with above isolator. Two separate 28 vdc spdt coils, ea. one side norm. gnd. Two female TNC & one type N conn. Size 3 1/2x1 1/2x3 used \$12.95 w/isolator \$25

CHOPPER RF CHOPPER

USED IN AUTOMATIC DIRECTION FINDING ANTENNAS TO SAMPLE BETWEEN SENSE AND REFERENCE ANTENNA. USES TWO 100 HZ -5% COILS; CAN BE ACTUATED MANUALLY WITH DC VOLTAGES. HAS TWO UG-88 CONNECTORS ON 15" CABLES AND UG-290 ENC OUTPUT CONN. 4-3/8x3x2; SH WT: 3 LBS. REMOVED FROM EQUIP. #354-1013-00, \$2.95

ANTENNA'S FROM CANADA: UHF-type for 243 Mhz approx. 23" lg; screws into hard rubber base that mounts onto a mounting base. Rubber base has provision for Canadian coax fitting. Aerial #9 w/24" base, \$5. ZA-3143 COAX, 5' w/connectors \$1.
Core-shaped aerial base #8, hard rubber, 5" dia. X 4" h. With 96" whip antenna. #FC-8-96, \$8.50

NEW CABLES COAXIAL CABLE

NEW MANUFACTURE AND BRANDED WITH STANDARD TYPE NUMBERS TO MIL-R-17A SPECIFICATIONS.

PRICES LISTED FOR LENGTHS INDICATED, IN-BETWEEN LENGTHS USE THE HIGHER PRICE. LESS THAN 100 FEET ADD 10% TO HIGHEST PRICE

COAX	RG-#	Ohms	100 feet	500 feet	1000 feet	5000 feet
RG-8/U	52	.22	.21	.20	.20	.20
RG-11/U	75	.20	.19	.18	.18	.18
RG-58/U	53.5	.11	.10	.09	.09	.09
RG-59/U	73	.12	.11	.10	.10	.10

Prices subject to change without notice.

NEW COAXIAL CONNECTORS

SO-239	PL-259	CH-259	PL-258
59¢ ea.	65¢ ea.	75¢ ea.	JUNCTION \$1.25 ea.
10 or more 10 or more 10 or more 10 or more	55¢ ea. 60¢ ea.	70¢ ea.	\$1.10 ea.
#83-876, two screw mount	#83-58FCB, short barrel PL-259 for RG-58, 50¢		UG-536 "N" conn. for RG-58, \$1.

COAX CONNECTORS

CONNECTORS & ADAPTERS (m) male, (f) female, (bulk) bulkhead, (rec) receptacle, (r/a) right angle; (U) used, (Un) unused.

TYPE BNC: UG-88 m (RG-58) U-45¢ ea, 10/\$4.
UG-89 f (RG-58) U-75¢ UG-909 bulk U-¢1
-90 f panel Un-¢1.
-260 m (RG-59) U-65¢ -913 bulk Un-¢2
-273 to UHF Un-¢2. -1090 to post U-¢2
-282 to post \$1.50 -912 bulk Un-¢2
-290 f rec U-65¢ -1441 to two banana jacks U-¢3.
-291 f panel U-¢1.

TYPE C: UG-573 m (RG-8) U-¢1.50 each.
UG-636 to BNC U-¢2.50 UG-710 m r/a Un-¢3
-643 f-f U-¢1.50 -943 (RG-12) U-¢3

TYPE N:
UG-18 (RG-21) Un-¢2. UG-201 to BNC Un-¢2
-27 m-f r/a Un-¢2. -536 (RG-58) Un-¢1
-29 f-f Un-¢1.50 -603 (RG-59) Un-¢2
-30 f-f bulk Un-¢2. -997 r/a rec Un-¢4
-160 f bulk U-¢1.50

OTHERS:
UG-100 m U-¢1.50 DA-113 dummy U-¢5
-100 panel U-¢1.50 UG-160 pulse r U-¢2
-109 f/UG-100 \$1.50 -212 HN r/a Un-¢3
M-359 elbow: PL-259 to SO-239, U-40¢ UG-40¢ U-75¢
U7-175: reduces PL-259 for RG-58, Un-50¢ ea
-176: " " " RG-59, Un-50¢ ea

COAXIAL CABLE ASSY removed from test sets and equipment. All are guaranteed usable.
RG-9 w/two UG-573 "C" conn., 13', \$2.50
RG-14 51 ohms w/UG-100 & UG-707; 15', \$10.00
RG-21 53 ohms with male "C" UG-626 and female "C" UG-630 conn., 37 feet, \$3.00
RT-26 48 ohm w/two UG-34 conn., 30', \$5.00
RT-58 w/two UG-88 BNC conn., 4' min., \$2.00
RG-59 w/male & female "N", 50', #CG-357, \$3.

WIRE SALE

Vinyl-covered HOCK-UP WIRE—any colors. NEW.
#18 stranded, \$3/100' #14/LK \$50/5K
#18 solid (black), \$3/100' #15/LK \$55/5K
#26 solid, \$6/500' #9/LK \$30/5K
#22 SHIELDED, braid covered over vinyl jacket; stranded: \$3.50/100' #25/LK \$85/5K

AIRCRAFT-TYPE WIRE, nylon insulation w/braid covering; silver-coated wire & shield:
#22 stranded 100 feet \$4.50; 1000 ft \$35.00

COMPUTER CONTROL CABLE, 15 stranded, tinned 24 AWG conductors; color-coded vinyl insulation. Gray jacket; not shielded.
#26/100' \$115/500' \$195/LK' \$800/5K'

CG-263/G CABLE w/U-226 waterproof and locking connector. 10¢ cable has 5-19 AWG copper and steel stranded pairs. U-226 contacts gold-plated; can be rewired for 12 AWG. U226 mates to U226. 4 lbs. \$6.95

TAP SWITCHES

OHMITE 608-4 TANDEM HEAVY DUTY TAP SWITCH, two decks with four taps each rated 300 VAC 100 amps. Shaft 3/8" dia. x 2"; o/a 6" dia. x 7" h. 12 lbs sh. Used, less knob, \$16.95

OHMITE 412-5 TAP SWITCH, 300 VAC 50 amps; 150 V. between taps. Five taps in 120 full rotation. 1/2" dia. shaft. Overall: 4 1/2" dia. x 2 3/4" h. 4 lbs sh. Used, less knob, \$6.95

OTHER OHMITE SWITCHES AVAILABLE. WRITE.

TAP SWITCHES, 120/240 VAC 10/5 AMP UNLESS OTHERWISE NOTED. 2 1/2" DIA. SHPG. WT: 1 LB. USED.

#AHH-23-10; TWO DECK, THREE POSITION. WITH KNOB, \$1.95
#AHH-230; 2-DECK, 3-POS. AND OFF; CONT. TURN. 15/10 AMP. L/KNOB, SHFT 3/16" D. x 3/4", \$2.25
#LOV-230; LIKE AHH-230, BUT SHFT 1/2" L. \$2.50
#AHH-33-10; 3-DECK, 3-POS., w/KNOB, \$2.75
#LOV-330; SAME AS LOV-230, BUT 3-DECK, \$2.95
#AHH-63-10; 6-DECK, 3-POS., w/KNOB, \$3.95

AHH-2W-3W TAP SWITCH; 3-POSITION WITH OFF. TWO-WIRE RATING: 120/240 VAC 30/15 AMP; THREE-WIRE: 15/15 AMPS. CASE SIZE: 1-7/8x1 1/2x1 1/2. WT: 1 LB. USED, WITH KNOB, \$2.95

ROTARY INDUCTORS

ROLLER INDUCTOR, 13.8 uHy; 24 turns #12 tinned-copper wire in 3 1/2"L x 2" dia. coil. Roller contacts; less coupler. Shaft 3/8"L x 1/4" dia. Overall size: 3x5x6; 8 lbs sh wt. #939-144-MED, removed, \$15.95

ROTARY INDUCTOR, 103 uHy; 61 turns #10 tinned-copper wire form 8 1/2"L x 3-3/8" dia. coil. Sliding contactor type; with coupler for 1/4" dia. shaft. Overall size: 8x8x14, 23 lbs sh wt. #939-16-LG, removed, \$25.00

ROLLER INDUCTOR, 5.5 uHy; 1 1/2 turns #12 T-C wire in 1 1/2"L x 2" dia. coil. Roller contacts; less coupler. Shaft 3/8"L x 1/4" dia. Overall. 3x4x4 1/2, 8 lbs sh. #939-11.5-S, \$10.95

ROLLER INDUCTOR, 1.3 uHy; similar to above, but 5 1/2 turns #12 wire. #939-15-SM, \$6.95

ROTARY INDUCTANCE TUNER COIL THIRTY TURNS OF TINNED COPPER WIRE AROUND A 2" DIA. x 3" DIA. (SOLANTITE FORM); 23 U-HY 100 WATTS APPROX. 1/4" DIA. SHAFT FOR COUPLING. SIZE: 5x3x3 1/2; SHPG. WT: 3 LBS. #AC55471, \$10.

CERAMIC FLEXIBLE COUPLINGS, see page 29

100-TURN COUNTER WITH SPIN KNOB. THREE DIGITS: 000 TO 999. HAS COUPLER FOR 1/2" DIA. SHAFT; NO FRONT MOUNTING PLATE. OVERALL LENGTH: 6 1/2". DEPTH REQUIRED BEHIND YOUR PANEL: 4 1/2". 2 LBS. SH. #1323-COUN, \$5.95

6183-1 POWER AMPLIFIER from Collins 2-25 Mhz 100 W transceiver. Has 12.3 uHy roller inductor. Coil 3 1/2x1 1/2" dia. has 27 turns #14 silver-tinned wire; rotated by 115 VAC 400 Hz selsyn. Bands 2 to 3.75, 3.75-7.25, 7.25-14.25, and 14.25-25 Mhz switched by connection of 9 doorknob capacitors. Big silver contacts on ceramic switch. Uses 3/6159 tubes. 11x5x6, 10 lbs sh. #547-3496/6183-1, less tubes, \$25. With tubes \$36. Mating connectors, 2 required, \$2.50 each.

TRANSMITTING CAPACITORS

MICA TRANSMITTING CAPACITORS, G-SERIES TYPE IN USED OR UNUSED CONDITION DEPENDING UPON A VALUE'S AVAILABILITY. VARIOUS MANUFACTURERS. SATISFACTION GUARANTEED OR PURCHASE PRICE WILL BE REFUNDED. OTHER VALUES IN STOCK. WRITE.

TYPE	KV	MFD	KV	MFD
G1, 2 1/2" h x 2 1/2" dia., wt: 3 lbs.	1.0	0.04	6.0	\$12.50 ea. 0.0001
	1.5	0.08	6.0	0.00024
	3.0	0.02	6.0	0.0006
	4.0	0.0062	6.0	0.0047
	5.0	0.0015	10.0	0.00015
	5.0	0.01		
G2, 3 1/2" h x 3" dia., wt: 5 lbs.	2.0	0.03	10.0	\$18.50 ea. 0.0002
	2.0	0.045	10.0	0.00057
	10.0	0.00015	15.0	0.0002
G3, 5" h x 4" dia., wt: 8 lbs.	2.5	0.15		\$27.50 ea.
	5.0	0.02	20.0	0.000051
	6.0	0.006	20.0	0.00015
G4, 5" h x 5 1/2" dia., wt: 12 lbs.	4.0	0.084	8.0	\$39.50 ea. 0.012
	4.0	0.1	10.0	0.02
	6.0	0.024	15.0	0.01
	6.0	0.0373		
G5, 10" h x 6 1/2" dia., wt: 22 lbs.	10.0	0.02	35.0	\$59.50 ea. 0.0003
	15.0	0.0068	35.0	0.0004
	15.0	0.0082	35.0	0.001
	15.0	0.01	35.0	0.0015

MOTORS

115 VOLT AC-DC MOTOR, starts at 15 VDC; runs counter clockwise. 3" dia X 5 1/2" lg plus 5/16" dia X 1-1/8" lg threaded shaft. 5 lbs sh. #AC-DC-R102, unused, \$4.95
115 V AC-DC MOTOR, starts at 25 VDC, runs clockwise. 2 1/2x3 1/2 plus 5/16" dia X 1 1/2" long machined spiral shaft. 3 lbs. #AC-DC-H102, \$3.

27 VDC 10 AMP 250 RPM MOTOR with brake which actuates when DC input is approx. 5 volts. Duty cycle 30 sec on, 300 sec off. O/A 2 1/2x2 1/2 plus 7/8" long X 3/8" dia. shaft. 5 lbs sh. #2312-6, \$7.95

BODINE 1/12 HP GEARHEAD MOTOR, 115 VAC 60 Hz 2 amp motor, 1725 RPM. Gearhead: 175 RPM 10:1 ratio, 21 lbs -inch torque. Overall size: 9x 5 1/2x5 1/2. Gearhead shaft: 2-3/8" lg X 5/8" dia. 22 lbs. #NS1-53R \$25

GE #5BC48AB550A 1/4 HP DC SHUNT COMPOUND MOTOR, armature 115 VDC 2.1 A; field 40 VDC 1.2 amp. 1140 RPM. Double end shaft 2x5/8 and 4x5/8" dia. Casing 1 1/2x6 1/2" dia. 60 lbs sh. Used \$35.

160 RPM DRIVE UNIT w/clutch has Globe C-25A512 27 VDC 15000 RPM motor and 27 VDC clutch assembly. Motor operates with good torque over 5 to 27 VDC. 160 RPM output on 3/16" dia X 1/2" lg shaft. O/A 3 1/2x4 1/2x3 1/2, 3 lbs. #160DRV/618 used \$8.95

100 RPM 12 VDC GEAR MOTOR, output at 3/8" x 1/8" bar which would mate with slotted shaft (not included). Also 3400 RPM available on 5/32" dia x 1/2" lg shaft. O/A 5 1/2x2 1/2x2-3/8; 3 lbs sh. #LEE-1115S unused, \$8.95

SMALL RECORDER PM MOTOR, operates 4 to 12 VDC, reversible. 1/8x3/32" dia shaft; O/A 1 1/2x1 1/2 dia, 1 lb. #R-S57141, NEW \$2.; w/pulley \$2.25

DUAL SPEED OPEN FRAME MOTOR, used WITH RECORDING UNITS. 115 VAC 60 Hz; 2000 and 3000 RPM. 3/16" OIA. SHAFT EXTENDS BOTH SIDES WITH PULLEYS FOR BELTS ONE SIDE. MOTOR SIZE (LESS SHAFT): 2 1/2x2 1/2x2, SHPG. WT: 4 LBS. #TM-381, UNUSED, \$3.95

HEAVY DUTY TAPE RECORDER MOTOR 115 VAC 60 Hz, 1500 RPM. MOTOR SIZE: 3 1/2x3 1/2x2 1/2, SHAFT 1 1/2x5/16" DIA. WT: 5 LBS. STK. #D6-2220 UNUSED, \$5.95

HAND-CRANK MAGNETO GENERATORS
 OUTPUT APPROX. 100 VOLTS DEPENDING ON SPEED OF ROTATION. USED TO RING BELLS IN TELEPHONE LINES. CAN BE USED FOR WORM SHOCKER AND OTHER EXPERIMENT. SIZE 4x2 1/2
 WT: 1 LB. COND. USED G-25 \$5.95 G-42 \$7.95

DC AIRCRAFT MOTOR; GE#5BA-50LJ29, 0.4 HP, 3000 RPM. ARMATURE: 60V. @ 2.3 AMPS FIELD: 27 VOLTS @ 6.5 AMPS DUTY: 10 MIN. @ FULL RATING. SHAFT IS CORKSCREW-TYPE 5/8 INCH DIA. FLANGE MTG. 3/8 CNTS. BODY SIZE: 6 1/2 x 4 1/2 x 4 1/2 WT: 11 LBS. \$4.95

VARIABLE SPEED DRIVE CONTROL USED WITH MOTOR AR No. E-85-132. GE#3S750RJ750A1, FIELD 100 VDC ARM. @ 140 VDC. 2.6 A INPUT 230 V. 50/60 HZ. 5 LBS GE#3S7505RJ750A1 NEW \$25.00

JOHN OSTER TYPE C-24A-1B KS-5829 SERIES MOTOR; 27 VDC, 0.01 HP, 7000 RPM. SIZE: 3x2 DIA.; SHAFT: 1x1/2 DIA. WT: 1 LB. Unused, \$2.95

GE#5PR56HCM 110 V. 2.3 A. 8000 RPM. INT. 1/10 H.P. 50/60 CYC. REV. SIZE 3x5, SHAFT 3/16x1 STK.#3H3000B2 5 LBS. N.#12.95

DICTAPHONE #7CB-2P; 115 V. 60 C 1/60 HP. 1740 RPM, SIZE 3x3, SHAFT EA. END 1/2x3/8, 2LB. N \$9.95

ART-13 MOTOR, 28 VDC. .05 HP @ 3900 RPM. REVERSIBLE; BALL BEARING. MOTOR WILL OPERATE ON 12 VDC. SIZE: 4 1/2 x 3 1/2 DIA. WT: 1 1/2 LB. PRICE: Used, \$2.95

MD-34/ARA-8 MODULATOR-KEYER, p/o automatic homing keying assembly; contains Oster BT-2-13 28 VDC shunt motor, 12000 RPM 1.1 amps connected to double worm reduction with output of 32 to 50 RPM over 10-26 VDC. Also has phase shift capacitor and RF UHF connectors. 3 1/2 x 10 1/4 x 4 1/2, 5 lbs. Used, \$3.95

28 VDC 12000 RPM MOTOR f/ARC-3 set. Removable worm gear; shaft 1 1/2 x 3/16" dia. O/A 3" x 1 1/2" dia. #697-2644, \$5.95

HAND CRANK GENERATOR AS USED IN GIESON GIRL RESCUE TRANSMITTERS OUTPUT 28 VDC @ 175 MA & 300 V @ 30 MA. WHEN CRANKED AT 60 RPM GEAR RATIO APPROX. 72 TO 1. NO LEGS SEAT OR MOUNTING. #GEN/CRT-3 RE-MOVED \$10.00

HYSTERESIS SYNCHRONOUS MOTOR 115V 60HZ, 1800RPM, CONT. 1/8HP FL. MTG. 7", SHAFT 2 1/4" x 1/8" DIA. SIZE 6x5, CAP. ST. USED 25LB. BODY W/ANCH-54 OR EQUAL \$25.00

RECORDER MOTOR, 1500 RPM; 115 VAC 60 HZ, DOUBLE END SHAFT, 3/8 x 3/16" DIA. & 1 x 3/16" W/PULLEY. MOTOR SIZE: 2 1/2 x 2 1/2 x 2 1/2 WT: 2 LBS. STK. #G140700 UNUSED, \$4.95

RECORDER MOTOR, 1500 RPM; 2" SHAFT IS 3/16" DIA. FOR 1 1/2"; 3/64" DIA. LAST 1/2". 3/8 x 3/16" DIA. SHAFT ON OTHER SIDE. MOTOR SIZE: 2 1/2 x 2 1/2 x 2 WT: 2 LBS. #602-1 UNUSED, \$4.75

EAD/WE KS-5718; 115 V. .27 A. 50/60 CYC. CAF. REQ. 4 MFD. DUAL SPEED 2750/3300 RPM. MO. SIZE 3 1/2 x 3, 4 LBS. SHAFT 5/16x1, 1/50 HP. N.#14.95

WE KS-5871-LOI MOTOR, 28.8 VDC @ 3.3 A. 5600 RPM, 0.04 HP SERIES WOUND. CONTINUOUS DUTY; REVERSIBLE WITH SPEED GOVERNOR. (MAY ALSO OPERATE AT 12 VDC AT REDUCED SPEED. SHAFT 1/2 x 1/2, OVERALL SIZE: 6 1/2 x 3 1/2 DIA. SHPG. WT: 7 LBS. USED \$7.95

MOTOR DRIVE ASSEMBLY f/vacuum variable capacitor. Uses 1/100 HP 15000 RPM 28 VDC motor (2" x 1 1/2" dia.) Has worm drive from motor to a series of gears geared to a 2" lever arm with vertical motion. Also has limit switches and Cinch DA-15 15-pin connector. O/A size: 8x 3 1/2 x 2 1/2, 3 lbs sh. #DRY501/CU941, used, \$7.95

PD-5/ARA-19 TUNING DRIVE, p/o ARN-6 remote tuning system. Uses 27 VDC 25C RPM Delco FM motor. Also 10-turn 1000 ohm linear pot driven by gear from the motor. Output with female MC-124 spline shaft. Motor shaft 3/8" long x 1/8" dia. O/A 5 1/2 x 4 1/2 x 2 1/2, 4 lbs sh. Used, \$9.95 Mating conn. \$2.50; MC-124 spline, 20", \$1.50

28 VOLT. MOTOR, 135 RPM; HP: 1 oz./IN. WITH 5/16x3/8" DIA. GEARED SHAFT; HAS 4 SOLDER TERMINALS ON 1x1 1/2" BLOCK. MOTOR SIZE: 5x1 1/2-7/8 DIA. WT: 1 LB. GE#5BA10FJ444 USED, \$7.95

ARN-6 GEAR & MOTOR, 4-position Geneva motion 30 each, 120 total. 28 VDC 320C RPM motor split-field reversible. Reverse sw w/fer broken. Motor 1x1 1/2 x 2 1/2; O/a 1 1/2 x 3/8. Used \$3

B-701/R-107 MOTOR FROM AS-313/ARN-6 LOOP ANTENNA. OPERATES FROM 26 VOLT 400 HZ @ 2750 RPM. WILL OPERATE FROM 12 VDC 60 HZ. SIZE: 3x2 1/2 x 3 WITH 3/8" GEAR. WT: 2 LB. PRICE: USED \$3.95

HOLTZER-CABOT #1981-HC 120 VAC 400 HZ GEAR MOTOR. 6 RPM with 40 oz.-in. torque. Shaft 1/2" long x 0.2" dia. Overall size: 2 1/2 x 2 1/2 x 3, 3 lbs sh. #1981-HC, unused \$14.95

DELCO PM MOTOR 5067125, 27.5 VDC, 10,000 RPM. TWO GOVERNORS, TAPERED SHAFT 3/16x1/16" DIA. MOTOR SIZE: 3x1x1 WT: 5 LBS. \$3.95

MOTOR W/RIGHT ANGLE SHAFT & MOUNT, 1/8 HP 230 RPM. SHAFT SIZE: 5/16" LONG X 3/8" DIA. CLEARANCE BETWEEN SHAFT AND MOUNTING ABOUT 1" REQUIRES 115 VAC 60 HZ @ 1.9 AMPS. SIZE: 7x3 1/2 DIA. WT: 15 LBS. ROBBINS & MEYERS #KL-H330, \$12.95

D.C. LINEAR ACTUATOR UNIT; ARM TRAVELS 2", AT END OF TRAVEL ARM ROTATES, 24VDC, 1AMP MAX, WILL OPERATE AT LOWER VOLTAGE. SIZE 3 1/2 x 7 1/2; 2 LBS. P.M. TYPE MOTOR ASSY. #554125 USED \$9.95

D.C. LINEAR ACTUATOR; 26 VDC 2A. 400 RPM. 45 OZ IN. TORQUE, APPROX. 2" ARM TRAVEL ON THREADED SHAFT, REQUIRES LIMIT SWITCHES, HAS NO PROVISION FOR OVER TRAVEL. HAS BRAKE FOR FAST STOP. SIZE 5x1 1/2 IN. GE#5BA10FJ450 USED \$8.95

JOHN OSTER 10 CFM BLOWER WITH MOTOR C28P-1A. 27.5 VDC 0.01 HP, 6000 RPM. SIZE: 3 1/2 x 3 1/2 x 4 1/2 WT: 4 LBS. USED \$3.95

28 VDC BLOWER, 6200 RPM WITH THE OPTION OF EITHER A SHUNT MOTOR TYPE OR PM MOTOR. SIZE: 3x2 1/2 x 3 SHPG. WT: 4 LBS.

BLOWER WITH PM MOTOR \$6.95

D.C. MOTOR & GEAR REDUCER, 24-29VDC NO LOAD SPEED 225-275 RPM, 60 OZ. IN. MAX. INTER. TORQUE, 2" FL. MTG. 3/16" SHAFT, MOTOR 2 1/2" LG. REVERSI PART No. C-5A-1049 USED \$5.95
D.C. MOTOR & GEAR REDUCER, 26.5 VDC, NO LOAD 55-70 RPM, 200 OZ. IN. MAX. INTM. TORQUE. 2" FL. MTG. 3" LG. 1/2" SHAFT, REVERSIBLE. PART No. 5A1514 USED \$6.95

VICKERS AR-10007G 115 VOLT 50/60 CYCLE SELENOID OPERATED AIR VALVE ONE INLET ACTUATES TUBE PLUNGER 1" STROKE. USED SIZE: 6x4 1/2 x 2 1/2; 5 LBS. \$18.00

K-101300 SYNCHRO CONTROL TRANSFORMER, similar to AY-201; rotor 26 V 1 phase, stator 11.8 V 3 phase 400 HZ. Shaft 1x1/16" dia. O/A 1 1/2 x 1 1/2 dia. Removed from equipment, \$4.00

AY-165 AUTOSYN DIFFERENTIAL, 400 CYCLE, 11.8 V. 3 PHASE ONE TO ONE RATIO. BENDIX & OTHERS. SIZE: 1 1/2 x 1 1/2. PRICE: REMOVED FROM EQUIP. \$2.95
 AY-231 AND AY-232 SAME SPECS. AS ABOVE.

AY-123 AUTOSYN RESOLVERS; 400 CYCLE, ROTOR 2 PHASE 26 VOLT, STATOR 2 PHASE 11.8 VOLT. PRICE:

AY-177-B1 AUTOSYN DIFFERENTIAL 400 CYCLE 3 PHASE 11.8 V TO 3 PHASE RATIO 1-1 SIZE: 1 1/2 x 1 1/2; SHAFT 1x1/16 PRICE: NEW \$2.95

SYNCHRO GENERATOR SPERRY#R5663642, MFG. BY BENDIX. SIMILAR TO BENDIX AY-401-2, OPERATES FROM 26 VOLTS 400 CYCLE SINGLE PHASE WHEN USED IN CONJUNCTION WITH AY-201 CONTROL TRANS. IT WILL OPERATE UP TO 20 UNITS. SIZE: 2 1/2 x 2 1/2; WT: 12 OZ. PRICE: NEW \$2.95

115 VAC 60 HZ PAIRED SELSYNS, larger and more powerful than those listed above. Use to show relative angular position of antennas or similar projects. Size and style may vary, but approx 3x6, 3 lbs ea. Used, tested, \$40/pair
 23CX4 TRANSMIT. 115 V. 400 CYC USED \$ 8.95
 23TX4 " " " " " " 8.95

23CT4 CON/TRANS. " 400 " " 8.95
 23RS4A RESOLVER 90/90V " " " 8.95
 23CT6 TRANSFORMER 90/1V PER. DEG."60cy 8.95

2JIHI SELSYN DIFFERENTIAL GENERATOR NORMALLY OPERATES FROM 57.5/57. VOLTS 400 CYCLE BUT WILL OPERATE FROM 26 VOLT 60 CYCLE AS SHOWN IN WIRING DIAGRAM ON PAGE 31. SIZE: 2 1/2 x 4 1/2; WT: 8OZ. PRICE WITH CONNECTOR CAPS.....\$3.95

DAYSTROM TRANS COIL CONTROL MOTOR 115 VOLT 60 CYCLE, 1 PHASE, 2 PHASE 200 VOLT CT. 3200 RPM. SIZE: 2 1/2 x 2, SHAFT SIZE: 1/16 x 1/2 WITH GEAR. REMOVED FROM NEW EQUIP. PRICE: \$5.00

FPS-26 SYNCHRO ASSY W/18CX6B 115 V 60 HZ 90 watt synchro and 18CT6B 90 V 60 HZ control transformer synchro geared to common large gear. Each selsyn 2 1/2 x 1 1/2 dia; 5 lbs assy. NEW \$50.

MAGNESYN TESTER
 MAGNESYN FIELD TESTER, Type B-1 mfgd. by Aerosmith Instrument for 26 V. 400 HZ magnesyms. Has calibration charts for magnesyms usages: manifold pressure, torque pressure transmitters, torque pressure, fuel, oil, burner or water pressure, liquid level, and fuel flow. 3" indicator for setting electrical zero (EZ) and switch. Also short cable with male and female 4-pin connectors. Size: 6x10 1/2 x 5 1/2, 8 lbs. sh. Unused, not checked, \$25.00

LINEAR ACTUATOR, STAT. 200, TENS. 40, COMP. 40. ARM TRAVEL 5/16". MOTOR 115V. 400 HZ, 1600 RPM. DUTY 1/10, 0.04 HP. TORQUE: 6.7 IN-OZ. SIZE: 5x5x3 1/2 WT: 5 LB. AIRSEARCH#34930 USED \$3.95

LINEAR ACTUATOR, STAT. 200, TENS 75-100, COMP. 75-100. ARM TRAVEL 3/8". MOTOR 115V. 400 HZ., 0.025 HP 6500 RPM. DUTY 1/10, TORQUE: 3.9 IN-OZ. SIZE: 5x8 1/2 x 4 1/2 WT: 5LB AIRSEARCH#30146-120 USED \$3.95

RATCHET MOTOR, 24 VDC 60 RPM CONTINUOUS. ALSO THREE POSITION STOP. BAND SWITCH ASSEMBLY AS. USED IN R-5/ARN-7 COMPASS RECEIVER. UNIT WILL ALSO OPERATE FROM 18 TO 24 VDC. SIZE: 3x4x1 1/2 WT: 2 LBS. #609-ARN-7 \$1.25

REDMOND BLOWER MOTOR: 24 VOLT DC 6000 RPM MOTOR .96 AMPS. OVERALL SIZE 4 1/2 x 3 1/2 x 3 1/2; WT: 2LBS. #451-1085 UNUSED \$4.95

PRC-25 TRANSCEIVER

RT-505/PRC-25 PORTABLE

TRANSCEIVER, 30 to 75.95 Mhz FM in bands 30-52.95 Mhz (L0) and 53-75.95 Mhz (H1) using 920 channels with 50 Khz spacing. Transmitter output: 1.1 to 2.0 watts. Has 150 Hz squelch tone. Set is transistorized except for 2DF4 tube in power amp. Power required: 3 VDC 0.4 amp and 15 VDC 1.4 amps. Batteries not available. Size: 4x11x14; 18 lbs. sh. Used, not checked, \$125.00



AN/PRC-25 BACKPACK TRANSCEIVER SET consisting of RT-505, CY-2562 battery box, ST-138 backpack harness, H-189 (or H-138) handset, AT-892 ribbon antenna, AB-591 antenna base, AT-271A antenna, and CW-503 (or CW-216) accessory bag. Used, \$160. PRC-25 SCHEMATIC, \$5.

BA-4386 MAGNESIUM LONG-LIFE BATTERY FOR PRC-25 or -77; '78/'79 date codes, unused \$8.95

T-195/GRC-19 TRANSMITTER, 1.5 to 20 Mhz in ten bands; TRANSMITS CW, voice, or FSK. MANUAL OR AUTOMATIC TUNING. POWER OUTPUT: 100 WATTS (1.5-12 Mhz), 90 WATT (12-16 Mhz), or 80 WATTS (16-20 Mhz). ANTENNA INPUT: 50 OHMS. AUDIO: 600 OHMS. METERS FOR PA GRID AND CATHODE CURRENTS, BATTERY VOLTAGE, AND MODULATION LEVEL WITH 22 TUBES INCLUDING TWO 4X150D'S. REQUIRES 22-30 VDC 42 AMPS (9 A STANDBY). 11x22x14; 150 lbs. sh. 122 lbs. NET. USED, REPARABLE, \$125. T-195B/GRC, P.U.R.

R-392/URR RECEIVER, COMPANION TO THE T-195, 0.5-32 Mhz in 1 Khz steps on counter dial. 24 VDC 3 AMPS REQUIRED. Used, checked, \$295.

MT-851 BASE FOR T-195 and R-392, 60 lbs. \$10.
T-195 BATTERY CABLE WITH PLUG, \$4.95
T-195/GRC-19 MANUAL, \$7.50
R-392/URR MANUAL, REPRODUCTION, \$10.00
AN/GRC-19 OPERATOR'S MANUAL, \$3.00
AN/GRC-19 MANUAL, \$10.00

R-808/GRC-14 RECEIVER, 2-32 Mhz AM, CW, FSK in 4 bands; 115 VAC or 24 VDC 5 amps, \$250.
T-631/GRC-14 XMITTER, 2-20 Mhz 400 watts peak 1100 vdc, 250 vdc, 312 vdc, -105 vdc, 26 vdc and 2/115 VAC 60 Hz. Used, excellent, \$175.

38 TO 54 MHZ RECEIVER

R-110 RECEIVER 38 to 54 Mhz FM CONTINUOUSLY TUNEABLE, VARIABLE SQUELCH AND AUDIO, OUTPUT IMPEDANCE 600 OHMS. 4.3 Mhz. I.F. WITH TUBES 3/1U4, 2/1L4, 1A3, 2/3A5, 1S5, 2/3C4, 2/6AK5 & 0E2. VOLTAGES REQ. 135 VDC @ 70 MA. AND 6.3 VDC 2 AMPS. SIZE: 9x13x7; WT: 32 LBS. USED \$49.50

R-108 RECEIVER, SAME AS R-110 ABOVE EXCEPT 20-28 Mhz. USED \$29.95

R-109 RECEIVER, SAME AS R-110 ABOVE EXCEPT 27-39 Mhz. USED \$39.95

PP-282 POWER SUPPLY 24 VDC FOR R-108-109-110 RECEIVERS. MOUNTS INSIDE REC. USED \$5.95

SHOCKED-MOUNTINGS FOR GRC SERIES RADIO SETS. ALL HAVE APPROPRIATE CABLES & CONNECTORS THAT GO FROM THE MTG. TO THE SET & BATTERY BUT THEY DO NOT HAVE JUMPER CABLE UNIT-UNIT.

MT-297/U HOLDS R/T, PS, REC., RT-70, AM-65, CY34.34. SIZE: 33x13x4; WT: 75 LBS. USED \$25.00
MT-298/U HOLDS TWO (2) R/T & TWO(2) PS. SIZE: 37x13x4; WT: 85 LBS. USED \$20.00
MT-299/U HOLDS ONE RT-66, 67, OR 68 & ONE PS. SIZE: 18x13x4; WT: 50 LBS. USED \$25.00
MT-300/U HOLDS (1) RT-70 & AM-65 (PIGGYBACK) SIZE: 8x13x3; WT: 25 LBS. USED \$20.00
MT-791/U NO CABLES, FOR SINGLE UNITS SUCH AS REC. MD. CV. GSA. PP. ETC. SIZE: 8x13x3; WT: 18 LBS. USED \$15.00

RECEIVER-TRANSMITTER

RT-68/GRC RECEIVER-TRANSMITTER, 38 to 54.9 Mhz RANGE CONTINUOUSLY TUNEABLE OR 100 KHZ-STEP PRESET CHANNELS OR TWO PRESET CHANNELS. RECEIVES AND TRANSMITS BOTH VOICE AND 1600 HZ RINGING FM SIGNALS. THE OVERALL COMMUNICATION RANGE IS FROM 10 TO 15 MILES. THE RECEIVER CIRCUIT IS A DUAL-CONVERSION SUPERHETERODYNE TYPE WITH THE 1ST IF VARIABLE FROM 4.45 to 5.45 Mhz AND THE 2ND IF FIXED AT 1.4 Mhz. THE RECEIVER HAS A VARIABLE SQUELCH CONTROL AND A 600 OHM OUTPUT IMPEDANCE. THE TRANSMITTER CIRCUIT USES A CRYSTAL-CONTROLLED OSCILLATOR AND OSCILLATOR POWER AMP AND PUTS OUT 2 WATTS ON LOW POWER VOLTAGE OR 16 WATTS ON HIGH POWER VOLTAGES SUPPLIED FROM THE POWER SUPPLY SOLD SEPARATELY. THE RT-68 ALSO PROVIDES A METER AND TEST SWITCH TO MONITOR TRANSMITTER POWER OUTPUT FILAMENTS AND THE 90 VOLT INPUT. WITH TUBES 4/1U4, 2/1A3, 2/1L4, 4/1R5, 2/1AE4, 1S5, 4/3C4, 3/3A5, 2/3B4, 3A4, 6AK5 AND 2E24. SIZE: 9x13x11; WT: 42 LBS. USED \$75.00



RT-66/GRC RECEIVER-TRANSMITTER SAME AS RT-68 ABOVE EXCEPT 20-27.9 Mhz RANGE. USED \$39.50

RT-67/GRC REC-TRANS. SAME AS RT-68 EXCEPT 27-38.9 Mhz RANGE. REPARABLE \$49.50

PP-112/GRC 24 VOLT POWER SUPPLY FOR THE RT-66, 67 AND 68 SERIES RECEIVER-TRANSMITTERS. THIS UNIT SUPPLIES ALL THE NECESSARY VOLTAGES FOR THE RECEIVER AND TRANSMITTER CIRCUITS. INCLUDES LOW AND HIGH POWER SWITCH FOR THE TRANSMITTER SECTION. SIZE: 9x13x7; WT: 38 LBS. USED \$25.00

PRC-10 RECEIVER-XMITTER

RT-176/PRC-10 RADIO RECEIVER-TRANSMITTER; PORTABLE UNIT OPERATING FROM 38 TO 54.9 Mhz FM VOICE COMMUNICATIONS. THE RECEIVER SECTION HAS AN IF OF 4.3 Mhz AND AN AUDIO OUTPUT IMPED. OF 600 OHMS. TRANSMITTER OUTPUT IS 0.9 WATTS WITH A NORMAL RANGE OF ABOUT FIVE MILES. MICROPHONE INPUT IMPED. 150 OHMS. BOTH RECEIVER AND TRANSMITTER SECTIONS ARE CONTINUOUSLY TUNEABLE. WITH CONTROLS FOR VOLUME, TUNING, SQUELCH, POINTER ADJUST AND DIAL LOCK. CONNECTOR FOR EXTERNAL SPEAKER. WITH TUBES 9/5678, 2/5672, 3/5676, 1A4 AND 5A6. POWER REQUIRED: 135 VDC, 67 VDC AND 1 1/2 VDC. LESS BATTERY CASE. ACCESSORIES LISTED ELSEWHERE. SIZE: 9x13x10; WT: 9 LBS. RT-176/PRC-10 USED \$29.50



RT-174/PRC-8, SAME AS PRC-10 EXCEPT 20.0 TO 27.9 Mhz. USED-COMplete, NOT CHECKED, \$30.

RT-175/PRC-9, SAME AS PRC-10, EXCEPT 27.0 TO 38.9 Mhz. USED, COMPLETE, NOT CHECKED, \$35.

AM-598 AMPLIFIER-POWER SUPPLY, WITH PRC-8, -9, -10 WHICH PLUGS INTO TOP. FUNCTIONS AS AN AUDIO AMPLIFIER AND ALLOWS FOR 24 VDC OPERATION FOR THESE TRANSCIEVERS. WITH TUBES 2/26E6, 2/12AT7, 26Z5 AND OC3. 11x11x10; 38 lbs. sh. USED, \$24.95



ACCESSORIES

CY-744/PRC BATTERY CASE f/PRC-8-9-10, \$6.00
AT-272A gooseneck antenna base, unused, \$2.
AT-271/PRC 7-section 8 1/2' whip antenna \$4.95
AB-129 RUBBER BASE f/AT-271 (PRC-8-9-10) \$3.
AB-591 RUBBER BASE f/AT-271 (PRC-25-77), \$4.
AM-598 SHOCKMOUNT \$5. AM-598 AUDIO CABLE \$6
M-29 MIC w/UG-77, \$4. M-81 MIC w/UG-229 \$8.
HANDSETS, H-33 w/U-77 \$6. H-189 w/U3229 \$12
LS-166/U LOUDSPEAKER w/UG-77.....Used \$10.95
GRC/VRC CONNECTORS, specify type and with what equipment used, \$3 each w/set purchase.
CX-1213 CONNECTOR ASSY. f/RT70 TO AM65, \$6.
CX-1211 CONN. ASSY. f/RT66-7-8 to PP112, \$6.
Connector assy. sold only with set purchase.

PRC-6 WALKIE-TALKIE



RT-196/PRC-6 FM TRANSCEIVER, single channel crystal-controlled in the 47 to 55.4 Mhz range. Range: approx. 1 mile depending on terrain and conditions. Handheld unit has push-to-talk switch, volume control, ribbon antenna, carrying strap, and provision for H-33/PT handset. Uses type CR-23 crystal (not included or available). With tubes 6/5678, 3B4, 3/5672, 2/5676, and 2C21. Requires 1.5, 45, and 90 VDC. 15x5x4; 6 lbs sh. Used, \$18.95; MANUAL, \$7.50

CY-852/PRC-6 C&E, space and padding for 42 crystals; 6x26x1, 2 lbs. Used, \$3.00

ID-292/PRC-6 CHANNEL ALIGNMENT INDICATOR, plugs into RT-196 and indicates relative level voltages for B+ filament, osc. injection, limiter, discriminator output, and P-A grid. Also F-A current and calibrate adjust. Unit is basic VTVM with 1 1/2" sq. FS-500 ua-meter and 5678 tube. Power from set under test. ID-292, unused w/manual, spare 5678, \$22.95

GRC/PRC BATTERY TEST

AN/PSM-13 BATTERY TEST SET DESIGNED TO CHECK GRC AND PRC-TYPE BATTERY PACKS INCLUDING BA-270, -279, -376, -377, -386/PRC-25, -398/PRC-25, -399, and -505; METER INDICATES BAD-GOOD (FS=1 MA). WITH ADAPTERS U-240, -241, -242, -297, -314, -315, -346 AND CANVAS CASE. SHPG. WT: 7 LBS. PRICE: USED, EXCELLENT, \$24.95



ME-61/GRC FIELD STRENGTH METER 1.4 TO 24 Mhz IN THREE RANGES. WITH VARIABLE TUNING, SENSITIVITY CONTROL, 1 1/2" SQUARE METER, PHONE JACK AND ANTENNA. SIZE: 5x5x4; WT: 5 LBS. UNUSED, \$24.95



RT-70 RECEIVER-TRANSMITTER

47 to 58.4 Mhz FM VOICE COMMUNICATIONS. FEATURES CONTINUOUS TUNING OR TWO PRE-SET CHANNELS AND PUSH-TO-TALK TRANSMISSION. THE RECEIVER CIRCUIT IS THE DUAL CONVERSION TYPE WITH THE 1ST IF IF Mhz AND THE 2ND IF 1.4 Mhz. WITH VARIABLE SQUELCH CONTROL. 600 OHM AUDIO OUTPUT IMPEDANCE. THE TRANSMITTER CIRCUIT HAS A 500 mw OUTPUT AND AN AUDIO INPUT IMPED. OF 150 OHMS. POWER REQUIRED: 90 VDC @ 80 MA, 6.3 @ 360 MA AND 6.3 @ 160 MA. WITH TUBES: 6/1U4, 3/1L4, 2/1R5, 1S5, 1AE4, 4/3C4, 3A5, AND 3B4. RELATED ACCESSORY EQUIPMENT LISTED ELSEWHERE. SIZE: 4 1/2x13x8 WT: 20 LBS. USED \$25.00



AM-65/GRC AUDIO FREQUENCY AMPLIFIER; THREE CHANNEL AUDIO FREQ. AMPLIFIER USED FOR INTERPHONE AND MONITORING OF VARIOUS TYPE GRC REC-TRANS. POWER REQUIRED: 135 VDC @ 35 MA AND 6, 12 OR 24 VDC. SIZE: 4 1/2x13x8 WT: 17 LBS. USED \$14.95

PP-282/GRC 24 VDC POWER SUPPLY used AM-65 and RT-70. Plugs into AM-65 and the voltages for both AM-65 and RT-70. 4 1/2x6x3, 6 lbs. Used \$5. *****
PP-281/GRC VIBRATOR POWER SUPPLY, same as above but requires 12 VDC input. Used \$14.95

COMBINATION OFFER when the RT-70, AM-65 and PP-282 are purchased together, all three for \$35.00 *****
COMBINATION OFFER with PP-281 12 VDC supply instead of PP-282 24 VDC supply, \$45.00

TECH MANUALS WITH SCHEMATICS FOR:
RT-196/PRC-6...\$7.50
PRC-9A-10A...\$7.50
RT-66, 67 & 68...\$5.00
RT-70...\$5.00
R-108, 109 & 110...\$7.50
AM-598...\$3.00
PP-109 & 112...\$5.00
AM-65...\$5.00
AN/VRC 13-15 OR AN/VRC 16-18, CONTAIN INFO & SCHEMATICS ON RT-66, 67, 68, R-108, 109, 110, PP-109, 112, VAR. MTG. CONTROL BOX ES. \$7.50

HIGH BAND

FM — TRANSMITTER — RECEIVERS

LOW BAND



R-394/U RECEIVER F.M. 152-172 MC. SINGLE CHANNEL CRYSTAL CONTROL DUAL CONVERSION, CRYSTAL FREQ. RANGE 24.033 TO 27.7 THIRD OVERTONE, TYPE CR-32/U, I.F. FREQ. 7.8 MC & 455 KC. 15 KC DEVIATION, OUTPUT IMPEDANCE 8 OHMS, POWER 6 WATTS, SQUELCH AND MUTING CIRC. MODULAR CONSTRUCTION WITH PLUG-IN UNITS FOR EASY SERVICING.

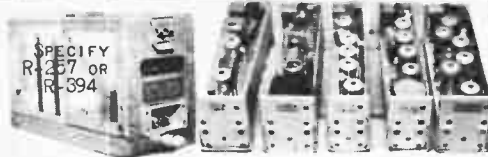
1ST R-F AMPL. UNIT W/TUBES 1/5840 2/1AD4.....LOCAL OSCILLATOR UNIT W/TUBES 2/1AD4, 1/5678, 1/VR31-5783

.....1ST I-F 7.8 MC UNIT W/TUBES 3/5678.....2D I-F AND DISCRIMINATOR UNIT WITH TUBES 7/5678.....AUDIO AND SQUELCH UNIT WITH TUBES 3/5678, 1/5672, 1/6AK6 ALSO 455 KC SELECTIVE FILTER UNIT WHICH IS WIRED, NOT PLUG-IN. ILLUSTRATION SHOWS THE PLUG-IN UNIT AND THE COMPARTMENT WHERE THE POWER SUPPLY IS ALSO PLUGGED INTO. COVER IS SUPPLIED AND HELD IN PLACE BY A SPRING LOADED FASTNER.

POWER SUPPLIES, CONNECTOR, CONTROL UNIT AND OTHER ITEMS THAT ARE USED WITH THIS SET ARE LISTED ELSEWHERE ON THIS PAGE.

SIZE: 8 1/2 x 5 1/2 x 1 1/2; WT: 19 LBS.

PRICES: USED GOOD CONDITION.....\$14.95
GOV'T RE-CONDITIONED..... 22.50



R-257 OR R-394 RECEIVER CHASSIS ONLY LESS ALL PLUG-IN UNITS AND FILTERS, WITH CONNECTORS & COVER. SHPG. WT: 10 LBS. USED \$4.95

R-257 OR R-394 RECEIVER PLUG-IN UNITS ONLY

NX-1547 RECEIVER RELAY SUBASSEMBLY \$4.95

1ST R.F. AMPL. W/TUBES 1/5840, 2/1AD4 \$3.95

LOCAL OSCILLATOR W/TUBES 2/1AD4, 1/5678 \$4.95

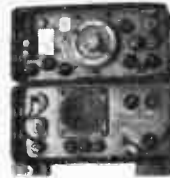
1/VR31-5783 & CRYSTAL. (NO CRYSTAL CHOICE)

2ND I.F. AND DISCRIMINATOR W/TUBES 5678 \$3.95

1ST I.F. 7.8 MC. W/TUBES 3/5678 & CRYST \$4.95

AUDIO & SQUELCH W/TUBES 3/5678, 1/5672 AND 1/6AK6 \$3.95

SELECTIVE FILTER 455 KC. (NOT SHOWN) \$2.95



AN/GRR-5 RADIO RECEIVING SET FOR USE IN THE 1.5 TO 18 MHZ RANGE, 4 BANDS 115 VOLTS 50 OR 60 CYCLE, 6, 12, 24 VDC OR DRY CELL BATTERIES 90 AND 1.5 VDC. CAN BE USED FOR OPERATION THE SET CONSISTS OF THE R-174 RECEIVER WHICH IS A SUPERHETERODYNE RECEIVES AM, CW AND MCW SIGNALS, WITH CONTINUOUS TUNING AND FACILITIES FOR PRESETTING ANY 10 CHANNEL FREQ., 200 KHZ CRYSTAL CALIBRATOR, 455 KHZ IF WITH TUBES 1/3V4, 3/1R5, 3/1L4 & 1/1U5. THE OUTPUT OF THE REC. IS FEED INTO A HEAVY DUTY 4" SPEAKER THAT IS PART OF THE PP-308 POWER SUPPLY AND TO OUTPUT PHONE JACKS ON THE REC.

PP-308 POWER SUPPLY FURNISHES ALL THE VOLTAGE REQUIRED WHEN ANY OF THE POWER SOURCES ARE APPLIED AS STATED ABOVE AND IT ALSO CONTAINS THE SPEAKER. BOTH UNITS ARE MOUNTED IN A TWO COMPARTMENT CABINET THAT IS SHOCKMOUNTED.

PP-308 IS SUPPLIED WITH TUBES 2/6AG7, 1/1007 & 1/0B2.

SIZE: 13 1/2 x 8 1/2 x 1 1/2; WT: SHPG. 75 LBS. ACTUAL 62

Price: Used reparable \$49.50; Checked \$79.50
POWER INPUT PLUG, \$3.00 with purchase of set.
DC cord, 10 foot, \$1.50; MANUAL, \$7.50



R-257 RECEIVER 25 TO 50 MC FM SAME AS R-394 RECEIVER ONLY DIFFERENT FREQUENCY RANGE. USES ALL THE SAME ACCESSORIES POWER SUPPLIES, TUBES ETC. SAME SIZE AND WEIGHT. USED \$14.95



VIBRATOR TYPE POWER SUPPLIES FOR USE WITH R-394 & R-257 RECEIVERS. THE OUTPUT OF THE SUPPLIES ARE THE SAME AND ARE

155 VOLTS DC @ 15 MA.
150 " " @ 5 "
140 " " @ 50 "
-40 " " @ .5 "
6.3 " " @ .45 AMPS.
6.3 " " @ 1.0 "
1.4 " " @ 1.25 "

PP-867/U 24 VOLTS DC @ 1.1 AMPS USED \$4.95

PP-868/U 12 " " @ 2.0 " " 9.95

PP-869/U 6 " " @ 3.7 " " WRITE AS TO PP-846/U 115/230 V 60 CYC 2 AMPS AVAILABILITY.

PP-864 115/230V. 60 CYCLE AC POWER SUPPLY FOR T-417, T-208 AND T-278 TRANSMITTERS.

WRITE AS TO AVAILABILITY AND PRICE

C-844/U CONTROL UNIT FOR OPERATION OF RADIO SET FROM REMOTE POINT. USED \$14.95



CY-938 ELECTRICAL EQUIPMENT CABINET; USED TO HOUSE RECEIVERS R-394 OR R-257, TRANSMITTERS T-208 OR T-278 AND POWER SUPPLIES DY-93 OR DY-98 OR DY-100 FOR THE TRANSMITTERS.

SIZE: 17 1/2 x 11 1/2 x 2 1/2; WT: 33 LBS.

PRICES: USED \$7.95



T-208/U TRANSMITTER F.M. 25 TO 50 MC 25 WATTS. SINGLE CHANNEL CRYSTAL CONTROL, 15 KC DEVIATION, VOICE ONLY TRANSMISSION. CRYSTAL UNIT CR-27/U, FREQ RANGE 1,562.5 TO 3125 KC. x 16 FOR ALL FREQUENCIES. 100 MV CARBON MIC. WITH TUBES 3/2E24, 1/384, 2/5672 4/5678 & 3/1AD4.

VOLTAGES REQUIRED ARE AS SHOWN WITH DYNAMO TORS DY-93/12 V, DY-98/24 V. DY-100/6 V.

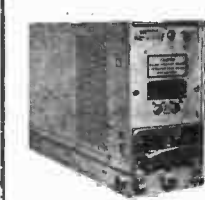
SIZE: 8 1/2 x 4 1/2 x 1 1/2; WT: 11 LBS. USED \$18.95



C-847 RADIO CONTROL BOX; USED TO CONTROL THE SYSTEM, HAS HEAVY ALNICO MAGNET 4" SPEAKER FOR MONITORING REC. CONTROLS FOR SQUELCH, VOLUME ON/OFF SW. PILOT LIGHTS AND RECEPTACLE FOR H-33 HANDSET WHICH HAS UG-77

SIZE: 9 1/2 x 5 1/2 x 3 1/2; WT: 6 LBS. USED \$8.95

H-33/PT HANDSET WITH CORD & UG-77 " 5.95



T-278/U TRANSMITTER F.M. 152 TO 174 MC APPROX. 30 WATTS, CRYSTAL CONTROL ON ANY TWO (2) PRESET FREQ. PHASE SHIFT MODULATION 15 KC DEVIATION, CR-27/U CRYSTAL UNIT FREQ. RANGE 4750-5437.5 KC. MULTIPLIED 32 TIMES, WITH TUBES 2/384, 3/2E24, 4/5678, 2/5672 AND 1/AD4.

VOLTAGES REQUIRED AS SHOWN WITH DY-93 DYNAMO TCR ELSEWHERE ON THIS PAGE. USED \$18.95

SIZE: 8 1/2 x 4 1/2 x 1 1/2; WT: 12 LBS. UNUSED \$24.95

T-278 TRANS. LESS TUBES AND CRYSTAL OVEN \$6



CHASSIS CONNECTORS TO FIT R-394, R-257, T-416 T-278, T-208 & SUPPLIES

TRANSMITTER PLUG P-401 CHASSIS CONNECTOR NO'S J-801, CANNON# DPD-A32C2-33S-2L \$2.50

RECEIVER PLUG R-252; CHASSIS CONNECTOR NO'S J-803, CANNON# DPD-A31C1-33S-2L \$2.50

POWER SUPPLY PLUG P-1203; CHASSIS CONNECTOR NO'S J-802, CANNON# DPD-30-33S-22 \$2.50

UG-77 PLUG ON 4 1/2 FOOT CORD.....\$1.00

H-33/PT HANDSET ON 4 1/2' CORD WITH UG-77 U 5.95



DY-93 DYNAMOTOR POWER SUPPLY

INPUT: 12 VDC @ 20 AMPS.

OUTPUT: 380 VDC @ 180 MA.

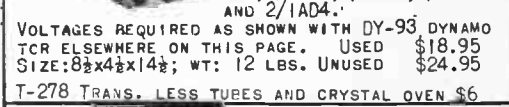
225 VDC @ 45 MA.

-25 VDC @ 5 MA.

USED WITH T-208 & T-278 TRANS.

SIZE: 8 1/2 x 7 x 1 1/4; WT: 27 LBS.

PRICE: USED \$9.95



CX-2371 CABLE ASSEMBLY USED FOR CONNECTING R-394-257 REC., T-208-278, 416, 417 TRANS. TO THE VARIOUS CABINETS SO THE UNITS CAN BE SERVICED OUTSIDE THE CABINETS.

LENGTH 7 FT. 3 LBS. \$10.00

RF MONITOR



ID-642/FSA RADIO FREQUENCY MONITOR, USES DIRECTIONAL COUPLER WITH IN-21B DIODE TO MONITOR RF VOLTAGE LEVEL. DC VOLTAGE IS AMPLIFIED TO TRIGGER A 24 VDC RELAY (6.5 MA 4PST) OVER A POWER SCALE OF 25-200. UNIT WAS PROBABLY CALIBRATED INTO A STANDARD LOAD. REQUIRES HN CONNECTORS. WITH TUBES: 2/0A2, 5751, 5670 6X4. AND TJ791K01 CURRENT REGULATOR. POWER REQUIRED: 115 VAC 60 HZ. SIZE: 11x9x10 1/2; SHPG. WT: 20 LBS. UNUSED, W/SCHMATIC, \$7.95

TRANSMITTER RECEIVER



RT-3/TRC-7 RECEIVER TRANSMITTER. 100.56 MHZ, A.M. VOICE, 1.5 W CRYSTAL CONTROL ON 2 PRESELECTED CHANNELS, 1/2" METER, PHONE, MIC. & MONITORING JACKS, VOL. CONTROL ETC. WITH TUBES 3/1AR5, 3/1L4, 1/1S5, 5/3A5, 1/1LA3, 1/3C4 & 2/3A4. VOLTAGES REQUIRED 90 VDC, 60 VDC & 4 1/2 VDC. SIZE: 11 1/2 x 5 1/2 x 1 1/2; 15 LBS. USED \$24.95



CX-2341 CABLE FOR CONNECTING CONTROL BOX TO CABINET. NO PLUGS ON CABLE. 5 FOOT LENGTH \$5. MAXIMUM LENGTH 15'



PP-638/U POWER SUPPLY USED WITH AM-494 & AM-495 POWER AMPLIFIERS. INPUT 115/230 VOLTS 50/60 CYCLE, OUTPUT 1100 VDC @ 320 MA, 230 VDC @ 60 MA AND 6.3 VDC @ 5.2 A. 2 1/2" RUGGEDIZED METERS 50 MADC 500 MADC AND 1.5 KVDC ALSO BLOWER FOR COOLING. UPPER COMPARTMENT SIZE 15Wx 9 1/2 H x 8 1/2 D. SIZE: 3 1/2 x 20 1/2 x 24 1/2; WT: 150 LBS. PRICE: RE-NEW \$100.00 \$10.95

BC-604 F.M. TRANSMITTER 30 W. FREQ. RANGE 20-27.9 MHZ. 10 PRE-SET CRYSTAL CONTROL CHANNELS ARE POSSIBLE WITH THE PROPER CRYSTALS. WITH TUBES 4/1619 & 1/1624. VOLTAGE REQ. 12 OR 24 VDC & 625VDC @ 225MA. SIZE: 18 1/2 x 10 1/2; 60 LBS. PRICE: Unused, \$25.00

PRC POWER SUPPLY



PP-351 POWER SUPPLY, DESIGNED TO PROVIDE REGULATED DC POWER FOR TESTING PRC-6, -8, -9, -10; SCR-510, -610; AND BC-1000 MANPACK TRANSCIEVERS. HAS METERING FOR EACH OF FIVE VARIABLE OUTPUTS. INPUT/OUTPUT CABLES NOT AVAILABLE. POWER REQUIRED: 115/230 VAC 50-60 HZ. 25x11 1/2 x 1 1/4; 150 LBS. SM. USED, \$45.00

SPEAKERS

IS-166/U LOUDSPEAKER, housed in cast-aluminum case, speaker is 4" dia. with heavy-duty FM magnet, 600 ohm matching transformer with 8 ohm output and HI-10 switch, 6 foot cord with UG-77 connector. Unit is used with most GRC/VRC radio sets. 5x5x3 1/2, 5 lbs. Used, \$10.95



TELEGRAPH-TELEPHONE SIGNAL CONVERTER: CONVERTS 20 CPS RINGING SIGNALS TO 1225/1600 CPS RINGING SIGNALS AND CONVERTS 1225/1600 CPS RINGING TO 20 CPS. RINGING. POWER REQ: 115V 60HZ. W/2EA. 12AU7, 12AX7, 6AL5, 6X4 SIZE: 11x7 1/2 x 10 1/2; 18 LBS. TA-182 USED \$25.00

FT-237 VEHICULAR RADIO MOUNTS FOR BC-603/683 & BC-604/684; 75 lbs sh. Used-some corrosion, \$20. Unused \$28.

FT-250 MOUNT for BC-620 or -659; 18 lbs. Used, \$18.00

RECEIVER POWER SUPPLIES AND SPEAKER FOR THE FOLLOWING:
 R-23/ARC-5 BC-453 BC-342
 R-24/ARC-5 BC-454 BC-344
 R-25/ARC-5 BC-455 BC-348
 R-26/ARC-5 BC-946 BC-429
 R-27/ARC-5 R-108, 109, 110

COMPLETE WITH DYNAMIC SPEAKER HOUSED IN A METAL CABINET WITH CONNECTING CABLE, PLUG, PHONE JACK, VOLUME CONTROL, BFO SWITCH, ETC. IF APPLICABLE. CAN ALSO BE USED FOR OTHER SETS. OUTPUT: 200/250 VDC @ 90/60 MA AND 24 VAC @ 2 AMPS. INPUT: 115 VAC 60 HZ. PLEASE SPECIFY THE TYPE SET. DIMENSIONS AND PARTS OF THE POWER SUPPLIES MAY VARY WITH AVAILABILITY OF MATERIALS. 9 1/2"x6 1/2"x5 WT: 10 LB
 PRICES: KIT OF PARTS, \$22. WIRED, \$27.00

BC-348 RECEIVER POWER SUPPLY with speaker, similar to above. Kit, \$22. Wired, \$27.00

TEN THOUSAND VOLT DC TO DC power supplies, p/o Sanders video display. Requires 10-15 VDC 1 amp 5-7 KHz square wave at TTL levels to drive the output amplifier. MODEL 13904 uses 2/2N3055 xistors or equal. MODEL 11665 uses one TO-3 xistor. No schematic. 10x5x6, 5 lbs. #13904 \$12.95 #11665 \$9.95
 GOOD EXPERIMENTER ITEM \$7.95 \$10.95

PE-110 POWER SUPPLY FOR BC-669 TRANSMITTER-RECEIVER. INPUT 115 VOLT 60 CYC. OUTPUT 520 VDC @ 420 MA. A 12 VDC VIBRATOR TYPE POWER PACK WITH AN OUT PUT OF 275 VDC @ 64 MA THAT PLUGS INTO THE CHASSIS SERVES AS A RECEIVER STANDBY. INCLD. FOUR 5Z3 TUBES, RESET CIRCUIT BREAKERS, A.C. OUTLETS, AND SUFFIX LETTER, TUBE COMPLEMENT AND SIZE MAY VARY. 20x9x12; 75 LBS. USED REPARABLE \$25

PP-484/FGC-5 VOLTAGE REGULATED POWER SUPPLY OPERATES FROM 115/230 VOLT 50/60 CYCLE 1 PH. OUTPUT 115 VDC 100 MA, 225VDC 550 MA; 4/6.3 VAC 12 AMP. -6.3v BIA. WESTON 301 METERS 3 1/2" 0-10 VAC; 0-200 VDC & 0-500 VDC; W/ TUBES 2/3B28, 2/2050, 2/12AU7, 6Y6 & 5U4. ALSO 2 AC OUTLETS ON FRONT PANEL. 19x11 1/2 x20; WT: 150 LBS. USED \$29.95

GILBERT AMERICAN FLYER TOY TRANSFORMER, INPUT: 120 VAC 60 HZ. OUTPUT: 7 TO 18 VOLTS AC. CONTROL READS 0 TO 120 MPH. WITH AC CORD AND OUTPUT BINDING POSTS. SIZE: 3 1/2x5x3 WT: 6 LBS. GILBERT #22034 USED, \$3.95

FGC-29/1660 POWER SUPPLY INPUT 115/230 VOLT 50/60 HZ OUTPUT: 225 VDC 100 MA. 6.3 VCT 4A. 6.3 V 1.5 A. INCL. FIL. 2/2D21 TUBES. 11 1/2x5 1/2x4 1/2; 23 LBS. REM \$15

FGC-29/1640 POER SUPPLY: INPUT, 115/230 v. 50/60 Hz. OUTPUT, 40 VDC 30MA OR 35VDC 40MA 6.3V 1.4A INCL. FILAMENT 6x4. 5 1/2x3 1/2x4 1/2; 8 LBS. REMOVED \$10

SOLA CONSTANT VOLTAGE DC POWER SUPPLIES; 19" x 6" 40 lbs. sh wt. \$14.95

SOLA #	INPUT	OUTPUT
28238	180/240 200/260	200 VDC 1.5 A
28239	"	120 VDC 1.1 A
		20 VDC 2.0 A
28323	115/208/230	120 VDC 2.0 A
28266	115/208/230	20 VDC 4.0 A

#237 CONSTANT VOLTAGE TRANSFORMER, 6.5 V 25 amp output from 90-130 VAC 60 Hz input, \$15.

VERY HIGH VOLTAGE
 DC POWER SUPPLY WITH 107-125 VAC 60 HZ PRIMARY. TWO OUTPUTS: -5.4 TO 5.75 Kv. @ 140 TO 300 U-A. ONE OUTPUT: -5.1 TO 5.3 Kv. @ 100 TO 270 U-A. SIZE: 12 1/2x2 1/2x4 1/2 WT: 10 LBS. GE#9T63Y2029G6, USED, \$10.95

DC. SUPPLIES

OPERATE FROM 115 VOLTS 60 CYCLE AND ARE COMPLETE WITH TRANSFORMER, RECTIFIER, CAPACITOR, SWITCH, LINE CORD, PILOT LIGHT, LINE FUSE ETC. INDICATED RATINGS ARE FOR LOAD CONDITIONS.

OUTPUT 12 VOLT D.C. 2 AMPS. SIZE: APPROX. 5x10x2; WT: 10 LB# STK.# 12VDC2A.
 PRICES: COMPLETE WIRED \$15.95
 KIT OF PARTS 11.00

OUTPUT 24 VOLT D.C. 2 AMPS. APPROX. SIZE: 5x10x2; WT: 12 LB. STK.# 24VDC2A.
 PRICES: COMPLETE WIRED \$20.95 /
 KIT OF PARTS 15.95

OUTPUT 12 VOLT D.C. 4 AMPS. APPROX. SIZE 5x10x2; WT: 12 LB. STK.# 12VDC4A.
 PRICES: COMPLETE WIRED \$19.95
 KIT OF PARTS 14.95

OUTPUT 24 VOLT D.C. 4 AMPS. APPROX. SIZE: 5x10x2; WT: 14 LB STK# 24VDC4A
 PRICES: COMPLETE WIRED \$23.95
 KIT OF PARTS 18.95

LENKURT MODEL 5047A POWER SUPPLY, INPUT: 115 VAC 60 HZ. OUTPUT: 24 VCT. 10 AMPS AC AND 160V. 150 MA DC. CONSTRUCTED ON AN ALL-ALUMINUM CHASSIS WITH VENTILATED ALUMINUM COVER WITH FLIP-LOCKS. (NOT SHOWN) SIZE: 19 1/2x7 1/2x10 1/2 WT: 45 LBS. \$19.95

COMPUTER POWER SUPPLIES

SOLID STATE POWER SUPPLIES rated conservatively and constructed on rugged steel frames. Units have front voltage adjust +10% running light, AC reset. Also adjustable current limiting and overvoltage protection. Power input: 115 VAC 60 HZ. Removed from equipment.

RATING	SIZE	Sh wt.	#	PRICE
4 V 75 A.	20x19 1/2x17	125 lbs.	650	\$60.00
12 V 15 A.	15 1/2x13 1/2x7	60 lbs.	654	\$70.00
12 V 25 A.	15 1/2x19 1/2x7	75 lbs.	928	\$90.00
12 V 35 A.	20x19 1/2x17	100 lbs.	1235	write

REGULATED 48V 5A

REGULATED SOLID STATE POWER SUPPLY; OUTPUT: 48V. 5 AMPS. INPUT: 115 VAC 60 HZ. TRANSISTOR DEVICES MODEL SPS 828. SIZE: 16 1/2x8 1/2x3 1/2, SHPG. WT: 25 LBS PRICE: UNUSED, \$45.00

SCOPE POWER SUPPLY

HFE CRT POWER SUPPLY; HAS 6.5 KV LOW CURRENT OUTPUT. WHEN USED WITH 10 VDC 1.75 AMPS DC-TO-DC INPUT CONVERTER. WILL PRODUCE 7.5 KV FROM 12 VDC INPUT. OTHER LOW CURRENT OUTPUTS OF -2500 AND -1500 VDC. TRANSISTORIZED WITH COVER AND CONNECTORS. 11x6x5 1/2, 10 LBS. USED, ETC., \$15.95
 HFE LOW VOLTAGE POWER SUPPLY; OUTPUT: 10 VDC 1.75 AMPS, ADJUSTABLE -1 V. INPUT: 115 VAC 60 HZ. TRANSISTORIZED WITH FUSE AND CONNECTOR. 10 1/2x6 1/2x4; 12 LBS. REMOVED F/EQUIP., \$7.95
 HFE CRT AND LV POWER SUPPLIES AS SET, \$20.00

BREAKER 12.5 VDC 2.5 AMP POWER SUPPLY; 4 AMP SURGE, 4 AMP CIRCUIT BREAKER. 4-5/8x2 1/2x6 1/2; SHPG. WT: 6 LBS. #13-110, NEW, \$20.

MULTIVOLTAGE POWER SUPPLY; HAS REGULATED OUTPUTS: +12 VDC 500 MA, -12 VDC 500 MA, AND 24 VDC 1 AMP. ALSO 7 VDC 10 AMP UNREGULATED, INTERMITTENT. REG. VOLTAGES ADJUSTABLE OVER SMALL RANGE. INPUT: 115 VAC 60 HZ; 9x5x6, 13 LBS. #LR32605, \$25.

UNUSUAL TUBES for collectors and experimenters. Filaments checked but not guaranteed.

JAN 218 RECTIFIER TUBE, 1/2 wave high vacuum; jumbo 3-pin base. 15 1/2"Hx5" dia \$10.
 MATCHLETT ML-500 HV TUBE, 15 1/2"H x 5" dia. \$12.00
 JAN 705A RECTIFIER, 4-pin base. 5"H x 2 1/2" dia. \$5.
 JAN 715B PULSE AMP TETRODE 4-pin base, similar shape as 705A; 5 1/2"Hx2 1/2" dia. \$6.
 WESTINGHOUSE CL-2 TUBE WITH IN-A-TUBE, 12 1/2"Hx2" dia \$7.
 TAYLOR TZ-20 zero-bias Class B audio, 20 W plate diss; 70 W/pair push-pull. 7.5 V fil, 4-pin base. Old--Unused w/data \$4.

MAGNETRONS

MAGNETRON TUBES LESS EXTERNAL MAGNETICS. USED, \$24 EA. SPECIFY: 2J26 (2992-3019 MHz); 2J28 (2939-2965 MHz); 2J29 (2914-2939 MHz); 2J39 (3267-3333 MHz); 2J61 (2992-3100 MHz); 2J62 (2914-3019 MHz); 725A (USED IN APS-4 RADAR).
 S-300 TUBE (OPEN FILAMENT), 10" LG. 3" DIA. AS-IS, \$4.

500 MHZ TRANSMITTING TUBE 8012-A TRIODE

DIRECT WIRE FILAMENT: 6.3 V. 1.92 AMPS. MAX. PLATE: 1000 V. 80 MA. 40 W CAP: G-F 2.7; P-F 0.4; G-P 2.5 MU 18; GRID CURRENT 20 MA. CLASS "C" TELEGRAPHY 35 W W/DATA, UNUSED, TELEPHONY 20W \$2.00 EA. 4 FOR \$6.
 8025 TRIODE, same as 8012 but 4-pin base, \$3.

ELECTRONIC PHOTO-FLASH TUBE R4330 SYLVANIA, OPERATING VOLTAGE 2250, 6 FLASHES PER/MIN

100 WATT-SEC/FLASH MAXIMUM, PEAK LIGHT OUTPUT 12,000,000 LUMENS, INTERGRATED LIGHT OUTPUT 3500 LUMEN SEC. FLASH. \$10 OCTAL CER.SOC. 50¢

FIELD TELEPHONES

EE-8 FIELD TELEPHONE PORTABLE HAND RINGING MAGN TO TYPE UNIT OPERATES FROM TWO "D" CELL BATTERIES (NOT INCLD.) TWO OR MORE CAN BE USED IN A TWO WIRE SYSTEM UP TO 17 MILES IN LENGTH. WITH CARRYING CASE AND STRAP. 8x10x3 1/2; 18 LBS. USED, CHKD, \$50.
 TP-3 FIELD TELEPHONE, PORTABLE, SAME AS EE-8 EXCEPT THIS UNIT DOES NOT REQUIRE FLASHLIGHT BATTERIES BECAUSE IT USES A SOUND POWERED HANDSET. SIZE: 8x10x4; 18 LBS. USED CHKD \$55
 H-102 TELEPHONE HANDSET & SIGNALING UNIT FOR COMMUNICATIONS WHERE VOLTAGE IS AVAILABLE FOR OPERATING THE HANDSET AND THE UNIT'S RINGING CIRCUIT. REQUIRES 3 & 6 VDC. SIMILAR TO EE-8. 8x10x4; 15 LBS. USED, CHECKED, \$30.

12 VDC 4 AMP SUPPLIES

STACO SOLID-STATE 4 AMP DC POWER SUPPLIES--NEW--
 #FPS-4, filtered 12 V; 5x3x5 1/2, 5 lbs sh: \$12.95 2/\$22.
 #RFS-4, filtered and regulated 13.8 VDC; 5x3x6 1/2, 7 lbs sh wt. \$18.95 ea. 2/\$35.00

CPS PRECISION HV POWER SUPPLIES, units are potted except for transistor control board and voltage adjust pot; 115 VAC 60 Hz input. With fuse and terminal for test meter. 10x5 1/2x2, 16 lbs sh wt. Used.
 #CPS-5001F/1651, +4 to 5.25 KV 2 ma, \$17.95
 #CPS-5001F/1950, 19 KV 50 microamps, \$14.95

230 VDC TRANSISTORIZED POWER SUPPLY, 115 VAC 60 Hz input. Units marked "200 VDC" but they test at 240 VDC 300 ma. 5x4x5, 15 lbs. #3930, NEW, \$22

LEDEX

LEDEX HEAVY DUTY SOLENOID #S-8210-025, 8-position 45° stroke, 28 VDC Starting torque: 5 lb-in @ 35 watts (15 lb-in holding) continuous duty. Upto 32.8 lb-in starting torq. @ 700 watts 1/20 duty. 7S size: 2 1/2" dia x 1-7/8" with 3/8" x 3/8" dia. shaft. 4 lbs. Unused, \$4.95



OPEN FRAME, SPDT 5.5-7.5 VAC COIL; CONTACTS RATED 5 A 115 VAC. 1 1/2" x 1-3/8" #5945-233-1398, \$1.25

ALLIED CONTROL T255X-18, coil 115 VAC 2580 OHMS. GOLD-PLATED DPDT CONTACTS RATED 5 A 29 VDC. 1 1/2" x 7/8" x 1-3/8". UNUSED, \$3.00 ea.

4PDT RELAYS, 110 VDC, heavy contacts. 2x2x1 1/2". Removed. #DDX187T, 5000 coil, \$2.00 #DOX137T, 24 VDC 230 A \$1.50

DPDT CERAMIC RELAY, 115 VAC 60 Hz, 10 amp contacts. Various styles; 2 1/2" x 1 1/2". #CER-2P-10, used, \$3.95

TIME DELAY/SEQUENCE RELAY, has 3-SPDT & 1-SPDT 12 VDC 6 A. relays. Delay sequence ON/3.5s/5.0s/10 sec. Solid-state w/24 V 1 amp transformer, 250 mfd 50 VDC cap. 115 VAC 60 Hz input. 7 1/2" x 3 1/2" x 2 1/2", 3 lbs sh. #140-P197C \$6.95

SIGMA DC RELAYS: OPEN-FRAME, 2 AMP CONTACTS, 1 1/2" x 2 1/2" x 1 1/2". REMOVED F/EQUIP. #41F500S-SIL, 6 VDC, \$1.00 #41F1000S-SIL 12 VDC, \$1.50

RHEOSTAT CONTROL UNIT FOR HEATED CLOTHING; 100 WATT 5.75 OHM RHEOSTAT MOUNTED IN CONTROL BOX WITH INDICATOR. KNOB ALSO ON/OFF SWITCH & DUAL LOCKING TYPE SOCKETS FOR INPUT AND CONTROLLED OUTPUT VOLTAGES. SIZE: 5x4x2; WT: 3 LBS. TYPE C-1C UNUSED \$2.95

STEPPING RESISTOR BANK, 100K ohms in twenty 5K steps; 20 W. good foundation for tester. 5 1/2" x 3 1/2" x 5/16" dia shaft. 3 lbs. #227281.3, \$3.95

DIMMER CONTROL TYPE A-4 667498 150 OHM 50 WATT 2 1/2" MTC. HOLES, w/KNOB 2 LBS. \$2.50

MATCHING PLUG \$1

E-T-A CIRCUIT RE-SET push switches, type 45-700-F. Fits into 3/8" hole; requires 2" depth. O/A 1 1/2" x 2 1/2" x 1/2"; Used. 250 VAC 5 amp, \$2. 15 A, \$2.50

MAGAZINES

We carry current issues of these magazines: CG \$2.00, RT, \$6.50, 73, \$6.95 Ham Radio \$3.50, BYTE \$2.50, Kilo-Microcomputing, \$2.95 Some back issues available.

OAK ROTARY SELECTOR 12-24 VDC; uses wafers w/1/4" hole spacing. Daven resistor and 12-pole shorting switch on first deck plus two decks progressive shorting (contacts not progressive). Also 2 1/2" extension for manual operation. 1 1/2" x 3 1/2". OAK #631595 new \$3.50



P&B KR-4175-1 DP-DT PLATE RELAY; sealed metal can, requires octal socket. 2 1/2" x 1 1/2" x 3/8". Unused, \$2.00

P & B 3PDT PLUG-IN TYPE RELAY WITH 24 VDC COIL. 120 VAC 10 A. CONTACTS. #KUP14D15, w/Socket, \$2.95

AC CONTROL RELAY, 120 VAC COIL; SPST N. OPEN 10 A. AND SPST N. CLSD. 10 A. CONTACTS. SEALED CAN, SOLDER TERM. 3 STUD MTC. 2 1/2" x 1 1/2". #7321/6717, \$2.50

LOW CURRENT RELAY, 13 V. MIN.; 2500 Ohm SPDT 10 A. CONTACT; USABLE F/ALARM CIRCUIT w/LOW STANDBY CURRENT 2x2x1. #P&B AL-1600-1 \$3.95

RHEOSTATS

RHEOSTAT VALUES: FIRST SET OF NUMBERS AFTER RHEO-PREFIX IS THE WATTAGE. YOU INDICATE DESIRED OHMS IN SECOND SET. SCD = SCREWDRIVER ADJUST.

#RHEO-25W-(ohms), \$1.25	1	2	5	6	10
	12	15	25	35	50
	55	60	75	100	125
	130	164	174	200	250
	300	350	400	500	600-sc
	1K	1500	2500	2500	5000

#RHEO-50W-(ohms), \$1.75 ea	1.5	2	6	5	10
	12	15	16	17.5	20
	25	30	35	40	45
	50	60	75	90	100
	124	150	200	225	350
	500	2.5K	5K	10K	220

#RHEO-75W-(ohms), \$2.25 ea	10	15	25	75
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#RHEO-100W-(ohms) \$2.75 ea	3	5	7.5	20	60
	100	350	500	3K	2500-SCD

#RHEO-150W-(ohms) \$3.50 ea	15	16	25	750	2/245-3K
	300	W	32	ohm,	chipped \$6.

#IRP&K UF11-11-676 65 VDC 45 A; delay 51, trip 56.25 A. 2 1/2" x 2 1/2". NEW \$3.

#UFG1-1REC3, 65 VDC 1.25 amps; delay 51, trip 1.57 amps. Aux switch 10 amp 250 VAC. 2 1/2" x 2 1/2", \$3.00

#IRP&K 118R, 240 VAC 60 Hz 10 amp; delay A spec, \$5.00

SCANNERS

Books for scanner enthusiasts from CRE Research by T. Keitel, K2AES; listing of frequencies. \$5.95 ea; all s for \$16. AIR-SCAN, directory of aero band (108-136 Mhz). ENERGY-SCAN, directory of energy industry frequencies. THE 'TOP SECRET' REGISTRY OF U.S. GOVERNMENT RADIO FREQUENCIES, surveillance & "sensitive" frequencies. FEDERAL FREQUENCY DIRECTORY, 2-420 Mhz inclusive by R. Grove. Comprehensive listing by frequency, agency, and location of unclassified gov't channels. \$14.95

STEPPING SWITCH 115 VAC 60 Hz ratchet-type unit that can be wired to make upto seventeen contacts with electric reset. Size: 4 1/2" x 3 1/2" x 2 1/2", 2 lbs sh. Miller #1093288 \$2.95



CRYSTALS

FT-241 CRYSTALS f/BC-604, 684; channels 0-79. No choice 3/1. Choice \$1.50 200 KHZ FT-241 XTAL, \$3.50

1000 KHZ CRYSTAL, temp. coeff. 0.0001% (+10 Hz/°C. Octal base; f/BC221-T3323-1M21 repr. meters. Socket wiring may be changed. \$12.

JK-02 CRYSTAL OVEN FOR CR-26 CRYSTALS OPERATES FROM 6.3-24.2 V. AC/DC, OCTAL BASE. MOTOROLA #25B1001 FOR ONE CRYSTAL AS USED IN R-394-257 RECEIVERS. \$1.95

MOTOROLA #25B1003 FOR TWO CRYSTALS AS USED IN T-278-208 ETC. TRANSMITTERS \$2.50

CIRCUIT BREAKER

AIRCRAFT CIRCUIT BREAKERS, 34 to 30 VDC. AN-3160 is toggle style. AN-3161 push-button type. Removed. AN-1610 10, 15, or 20 amps, \$1.50 each. AN-3161 5, 10, 15, or 20 amps, \$1.00 each.

HEINEMAN MODEL AM12HK, 2 1/2" x 2 1/2" x 1 1/2" 12 VDC 3 A \$1.25 50 VDC 3 A \$1.35 50 VDC 40A \$1.50 115 VAC 60 Hz 1.5 A, \$1.00 AM1516HK, 100 amps 50 VDC Cur. 5; 4x3 1/2" x 1. Used \$4.00

115 VAC 60 HZ CIRCUIT BREAKERS by Heineman; 2 1/2" x 2 1/2" x 1 1/2" #3H900-1 1.25 A \$1.00 #3H900-3 3 amps \$1.00 #3H900-4-5 DFST 4 A; 5 1/2" x 3 1/2" x 2, used, \$1.95

HEINEMAN JAE-AS-A, 240 VAC; hold 17 A, trip \$1.25 A. \$2

HEINEMAN CDE TYPE CIRCUIT BREAKERS, 2-poled two pole; 4 1/2" x 2 1/2" x 2 lbs. NEW #CDE-210-1, Rt 0.335 A DC Cur P. Lt 68 A 270 VAC 60 Hz Cur 3. \$4.00 #CDE-274-2, 10 A 132 VAC 60 Hz T.D. 2; 125 A 10 VDC T.D. 3. \$4.25 #CDE-AS-DU, two 18 amp 240 VAC T.D. 1. \$4.50

P&B #375-207-101, 7 amp 250 VAC or 32 VDC max. Recessed button. 1 1/2" x 1 1/2" x 1 1/2". NEW, \$1.25

BOOKS & TECH MANUALS

\$3.00 each ***** \$5.00 each ***** AN-598 ***** FI-1175 ***** FP-367-868 ***** FU-144C ***** RD-60 ***** AN/33C-1 ***** I-208 ***** AN/FDR-27 *****

\$7.50 each AN/ARC-5 BEACH TEST and ALIEMENT, covers necessary info to align R-23A, R-148, R-25-26-27 receivers; T-18 thru T-22 xmitters; and MD-7 modulator. w/schematics; repr. \$7.50 ***** AN/ARC-27-55 ***** \$15.00 AN/ARC-38 repr. 17.00 AN/ARC-38A repr. 30.00 RT427/ARC-39 repr. 10.00 AN/ARC-44 ***** 8.50 ARC-60 (R19-CV431) ARC TYPE 12 including R-10-11-15-19, T-11-13, and related equip. 8.50 AN/ARC-30 repr. 10.00 R-248/ARR-43 repr. 15.00 AN/ART-13 transmitter only, repr. 12.00 AN/ARR-4 repr. 10.00 AN/ARC-8 ***** 8.50 AN/ARC-10 ***** 8.50 AN/ARC-19 ***** 10.00 AN/ARC-55 (ARC-14 including R808/T631/FE1171 \$20 and ARC-1 (T-14, R-19, and AR-8 pwr amp) 8.50 AN/THC-8 (T50/R-48) 8.50 AN/ARC-19 (R-394, T-278, DY93-98-100 PF867-9 8.50 BC-AS-329 ***** 7.50 BC-348-J-N-3 repr. 10.00 BC-348-K-1-R repr. 10.00 BC-624/625 repr. 12.00 BC-639 repr. 8.50 BC-689 repr. 8.50 BC-779/1004 ***** 10.00 CV-157 repr. 15.00 CV-591 (MSR-4) repr. 8.50 R-140 (HRO-5) repr. 10.00 R-220/URR-29 ***** 10.00 R-274 repr. 12.00 R-388 (51J5) repr. 10.00 R-390 repr. 15.00 R-390A maintenance 12.00 R-392 repr. 12.00 SP-600-JX repr. 10.00 T-195 ***** 8.50 T33-12 repr. 12.00

U.S. ARMOR COMMUNICATIONS ELECTRONICS DATA (book), July 1973; descriptions of mil-radio equipment, \$3.00 ***** THE CHALLENGE OF 160 by Si Dunn; geared to the amateur who wishes to successfully work 160 meters. NEW, \$4.95 ***** RTTY from A to Z, \$5.00 NEW RTTY HANDBOOK, 3.95 ***** THE LOW & MEDIUM FREQUENCY RADIO SCRAPBOOK by W2LMB, \$6.95; ADDENDUM 77/8 \$3.95 *****

SCHEMATICS

REPRODUCTIONS of schematics \$1.50 and up. WHITE.

TEST EQUIPMENT MANUALS

AN/TEM-1 repr. \$10.00 AN/URM-25D repr. 10.00 AN/URM-25F repr. 10.00 AN/URM-26B repr. 12.00 S3-12/URM-48 repr. 12.00 TS-403/URM-61 repr. 12.00 S3-3/URM-70 repr. 10.00 FR-5/URM-60 ***** 7.50 TS-510/USM-44 repr. 10.00 AN/USM-50 repr. 10.00 AN/USM-105 repr. 17.00 AN/USM-116 repr. 10.00 AN/USM-117 repr. 15.00 AN/USM-140 repr. 17.00 FR-149/USM-159 repr. 10.00 BC-221 f/most models 7.50

Reproductions \$2.50 each: ME-6D ME-26 QS-8 S3-92 TS-148 TS-352 TS-375 TS-382 TS-433B TS-497B TS-505 TS-1060 TV-7/U IP-173B TV-2 or TV-10A, \$10 each.

TEK CA \$8.50 TEK Z \$6.00 H 6.00 W 6.00 1A1 7.50 1A2 7.50 1A4 7.50 1A5 7.50 82 6.50 130 6.00 131 6.00 132 6.00 453 8.50 556 8.50

HICKOK 1905 repr. \$15.00 ***** TOOLS & TECHNIQUES FOR ELECTRONICS by A.A. Ticks; deciding the tool and technique for the job, \$4.95 ***** TI SEMICONDUCTOR MEMORY BOOK (1975), 272 pp., \$1.00 *****

ARRL BOOKS

1981 RADIO AMATEUR'S HANDBOOK \$10 SOLID STATE BASICS f/amateurs \$5. SOLID STATE DESIGN f/amateurs \$7. ANTENNA BOOK, theory and instruction on antennas, \$5. ANTENNA ANTHOLOGY, articles from QST on antennas, \$4. LICENSE MANUAL, a study guide for the novice, \$4.00 UNDERSTANDING AMATEUR RADIO, an introduction, \$5.00 A COURSE IN RADIO FUNDAMENTALS, structured intro. \$4. OPERATING GUIDE, \$4.00. HINTS & KINKS, \$4.00 FM & REPEATERS f/2FT, \$4. SINGLE SIDEBAND f/QST, \$4. RADIO FREQUENCY INTERFERENCE, \$3. L/C/F CALCULATOR \$3 TUNE IN THE WORLD OF HAM RADIO, wkbook & cassette, \$7. BASIC BOOK OF HAM RADIO, \$7. WEEKEND PROJECTS, \$3.00 ELECTRONICS DATA BOOK, circuit collection f/radio, \$4. *****

VINTAGE RADIO

1981 RADIO 1897-1929, pictorial story of radio's early years; 1000+ pictures and commentary, 283 pp. Softbound, \$9.95; Hardcover \$12.95 A FLICK OF THE SWITCH 1930-1950, sequel w/TV, \$9.95 1921-1932 RADIO COLLECTOR'S GUIDE, listing of over 9000 radios, 1100 mfgs; 263 pp. Softbound, \$9.95 MOST-OFTEN-NEEDED 1926-1938 RADIO DIAGRAMS, reprint of Beltrian's book of 600 old radio schematics, \$7.95

All manuals include maintenance info & schematic unless noted otherwise. O.I. Operating info only N.S. No schematic. Repr -Partial reproduction w/operating, maintenance info & schematic.

SCHEMATICS

REPRODUCTIONS of schematics \$1.50 and up. WHITE.

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225-399.9 MHZ RECEIVER



R-278 RECEIVER, 225 to 399.9 Mhz AM; crystal frequency control for 1750 channels in 100 KHz steps; ten preset channels. Audio freq response: 200 Hz-20 KHz (wide), 200-5 KHz (narrow). Has AVC, squelch, and 44 tubes; unutilized chassis, rackmount. 12x19x20, 115 lbs sh wt.

Used, less guard channel, repairable, \$150.00
MANUAL, partial repro, \$15. Schematic, \$2.50

R-648/ARR-41 RECEIVER

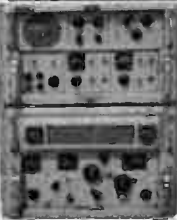
R-648/ARR-41 RECEIVER

190-550 KHz and 2-25 Mhz AM-CW in five bands. Mechanical digital-type tuning in 1 KHz steps. 500 KHz final IF; mechanical filters 1.4



and 6.0 KHz. Controls for BFO, sensitivity, broad-sharp voice or CW, and dial lock. With tubes 2/5726, 7/5749, 2/5750, 2/5814, 5654, 5686, 6AU6, and OA2. Requires 24 VDC 4 amps input for dynamotor. 7x16x13, 35 lbs sh. Used, repairable, \$145.00; Checked, \$205.00
MANUAL, partial repro, \$15. Schematic, \$2.50
Power input connector, \$3.00 w/set purchase.

2-32 MHZ SSB RECEIVER



AN/FRR-59A TRIPLE CONVERSION SSB RECEIVER WITH FULL CARRIER SUPPRESSION FROM 2 TO 32 MHZ IN FOUR BANDS: (2-4) (4-8), (8-16), AND (16-32) MHZ. RECEIVES LSB, USB, AM, CW, AND MCW SIGNALS; LSB AND USB RECEPTION POSSIBLE SIMULTANEOUSLY OR SEPARATELY. INCREMENTAL OR CONTINUOUS DIGITAL TUNING IN 0.5 KHZ STEPS. INTERMEDIATE

FREQUENCIES (IF): 1625-1725 KHz, 220 KHz, AND 80 KHz. BUILT-IN 1 MHZ CRYSTAL CALIBRATOR. AF LINE OUTPUT: 60 MW INTO 600 OHMS (MIN.); PHONE OUTPUT: 15 MW INTO 600 OHMS (MAX.). RECOMMENDED ANTENNA TERMINAL IMPEDANCE: 50 OHMS. USES 7- AND 9-PIN 6.3 V. GLASS TUBES. POWER REQUIRED: 105-125 VAC 50/60 HZ (250 WATTS). SIZE: 25x22x24; SHPG. WT: 300 LBS. NET WT: 250 LBS. PRICE: USED, REPAIRABLE \$375. CHECKED, \$475.

AM-777 AMPLIFIER-DETECTOR, PART OF RT-128A/ARC-21 (2-24 Mhz) TRANSCIEVER. 1st IF-1800



KHz; 2nd IF-300 KHz. REQUIRES 1800 KHz SIGNAL INPUT AND 500 KHz INPUT FOR MIXER AND TRIPLEX STAGES. SLUG-TUNE ADJUSTMENT. WITH TUBES 4/5636, 3/5896, 3/5899, 3/6021, 5840, 5902, AND 5719. SCHEMATIC INCLD. 13x2x3, 5 LBS. SH. \$10.00

1700-2400 MHZ RECEIVER

R-418/TRC-29 MICROWAVE RECEIVER WITH PP-690 AC POWER SUPPLY. FREQUENCY RANGE: 1700-2400 MHZ FM UTILIZING 27 PRESET CHANNELS. IF=120 Mhz; VIDEO OUTPUT: 30 HZ TO 4.5 MHZ, -3 TO +7 DBM, 158-500 MV-RMS. NOISE FIGURE: 14-16 DBM. 50 OHM ANTENNA INPUT. HAS TWO METERS FOR CIRCUIT TEST AND ALIGNMENT PROCEDURES. RECEIVER USES 6BM6 KLYSTRON OSCILLATOR AND 28 OTHER TUBES. POWER SUPPLY HAS 18 TUBES. POWER REQUIRED: 115 VAC 60 HZ. SIZE: 19x19x19 (R-418); 12x19x19 (PP-690). SHPG. WT: 200 LBS. Unused, \$165.00



BC-610 TRANSMITTER, 2-18 Mhz CW, voice, RTT. Output: 400 W CW, 300 W voice. 115 VAC 50-60 HZ 2000 W power required; 450 lbs sh. Sold less tuning units, coils, 250TH PA tube and two 100TH modulator tubes. Used, \$400.00

BC-348 RECEIVERS



BC-348 RECEIVER, 200 TO 500 KHz AND 1.5 TO 18 MHZ AM AND CW IN SIX BANDS. FEATURES CRYSTAL FILTER, MANUAL AND AUTOMATIC VOLUME CONTROL, AND BFO. INTER-

MEDIATE FREQUENCY: 915 KHz; OUTPUT IMPEDANCE: 300 OR 4000 OHMS. "Q" OR "R" MODELS SHIPPED ACCORDING TO AVAILABILITY. TUBE LINE-UP VARIES AMONG MODELS. SOLD LESS THE DYNAMOTOR

POWER REQUIRED: 220 VDC 70 MA AND 24 VDC. SIZE: 18x10x9; SHPG. WT: 44 LBS. PRICE: USED, REPAIRABLE, \$75. CHECKED, \$99.50
GOV'T RECONDITIONED, CHECKED, \$125.

DM-28 DYNAMOTOR, 28 VDC 2 AMPS, USED, \$8.95
115 VAC 60 HZ POWER SUPPLY W/SPEAKER, \$27.00
PL-103 CONNECTOR PLUG F/REAR OF REC., 2.50
MANUAL FOR BC-348-Q OR -R, REPRODUCTION, \$10.

100. KHZ OVENS

100 KHZ CRYSTAL OVENS, 115 V

heater for 65 C oven thermally isolated and shielded with 65 C crystal thermometer. Removed from frequency counters, 3 lbs sh. #100KHZ/AM-100 w/100 KHz glass bulb xtal assembly has octal output, \$15.00
#HP-G69B-2 w/Knight octal base xtal, \$20.00



750 W TRANSMITTER

TMC GPT-750 SSB TRANSMITTER, 2 to

32 Mhz continuously tuned. Provides 750 watts AM, 750 W PEP-SSB and 1000 W CW and FSK. Same as AN/URT-17. Requires 115/230 VAC 50-60 HZ. 47x34x27, 750 lbs sh. Used, w/dummy panel-no exciter, \$450



TRANSCIEVER R.F. TUNER FOR COLLINS 618S-1.

THIS SUBASSY CONTAINS 1ST & 2ND R.F. AMP, 1ST & 2ND REC. MIXER, 1ST & 2ND TRANS. MIXER, I.F. AMP. DISCRIMINATOR, MULTIPLIER AND 2 DRIVER CIRCUITS. WITH TUBES 2/5654, 3/5749, 4/5750 & 2/5686. TUNING IS DONE BY THE SLUGS MOVING IN AND OUT OF THE COILS, FREQ. RANGE 2-25 MC SIZE: 8x7x6; WT: 10 LBS. #5821-547-5718/618S-1 PRICE: USED \$14.95

ANTENNA COUPLER



CU-656 ANTENNA COUPLER, HANDLES UP TO EIGHT RECEIVERS IN THE 2-32 MHZ RANGE. GAIN: 0 TO 3 DB. NOISE FIGURE: 6 DB OR BETTER. HAS 0-50 MICROAMMETER TEST

INDICATOR AND CIRCUIT SELECTOR SWITCH ON FRONT. 70 OHM INPUT; TYPE C CONNECTIONS. WITH TUBES 20/6922 AND 0B2. POWER REQUIRED: 115/230 VAC 50-60 HZ. SIZE: 7x19x16; SH WT: 40 LBS. USED, REPAIRABLE, \$50.00

INFRARED BEACON

US/X9B NAN INFRARED BEACON, originally used on landing craft or on shore for clandestine signaling. System consists of gray painted brass



lamp assembly with 100 watt 12 VDC bulb and 4x4" dia. X 4" high infrared glass dome, control box with manual signaling key (provision for automatic key), two section brass and wood 63" mast, 25' power cable, and steel spares box containing extra bulb, dome, and hardware. Infrared-sensitive optics required for detection of this beacon. Instruction book included. Stored by gov't. since 1945. Re-boxed in two 27 lbs cartons. Unused \$29.95

RT-311 TRANSCEIVER

RT-311/ARC-38 AM TRANSCEIVER, 2.0 to 25 Mhz from 20 preset channels. Frequency interval: 500 Hz (2.0-7.25 Mhz) and 1000 Hz (7.25-25.0 Mhz). Has



autotune from channel to channel. Minimum peak output 100 watts (2-14.25 Mhz), 90 watts (14.25-25 Mhz). Antenna tune power: 50 watts. 40 db carrier suppression. Receives AM or CW; sensitivity 5 uv for 6 db signal (phone). Selectivity: 7.5 KHz min @ 6 db, 20 KHz max @ 60 db or 1.8 KHz min @ 6 db, 5 KHz max @ 60 db when in CW sharp position. Unit has VFO and 25 tubes including three 6159's in power amp. Requires 28 VDC, 600 VDC, 250 VDC, -50 VDC, -65 VDC and 6.3 VAC. Also 115 VAC 400 HZ for selsyn on PA inductor. 15x8x23, 65 lbs sh. Used, not checked, \$85.00
MANUAL, partial repro, \$15. w/set purchase.

COLLINS 618S-1 TRANSCIEVER, similar to RT-311/ARC-38 but without VFO. Crystal-controlled AM receiver, \$54.50. Schematic, \$3.00
618S-1/MC TRANSCIEVER, modified for SSB by RCA, xtal-controlled, \$99.95. Schematic, \$8.

RT-594/ARC-38A SINGLE SIDEBAND TRANSCIEVER, similar to RT-311/ARC-38 except has SSB capabilities. Used, not checked. \$145.00

RT-311/ARC-38 or RT-594/ARC-38A replacement modules removed from sets. Write your needs.



C-1398/ARC-38 CONTROL BOX for control and frequency selection of ARC-38. Twenty preset channels or manual in 500 Hz steps. With code book. Most functions operable with ARC-38A SSB set except for function switch which would have to be disabled and provision for side band reception added. 7x5x6, 14 lbs. Used, \$16.95; Schematic, \$2 if bought w/Box.

AIRCRAFT TRANSCEIVER

RT-524M AIRBORNE TRANSCEIVER

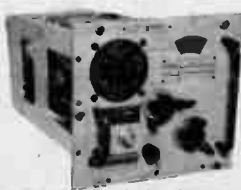
mfg. by Aircraft Radio; covers 136.00 to 149.95 Mhz AM in 50 KHz crystal-controlled steps. 15 watts output. Has volume and squelch controls. Requires 24 VDC 6 amps. With tubes 6156, 2/8102, 6/6CW4, and 2/7587. Schematic not available. Size: 6x3x3 1/4; 10 lbs. sh. Used, no cover, \$54.95



REFERENCE GENERATOR

SG-323/TSM REFERENCE SIGNAL GENERATOR, USED

IN DATA COMMAND SYSTEMS OF FLIGHT COMPUTERS. HAS 69 DIODE-TRANSISTOR LOGIC CARDS WHICH IN TOTAL CONTAIN OVER 300 2N404 TRANSISTORS. ALSO 32 DATA ENTRY SWITCHES PLUS SWITCHING FOR 16 PRESET MESSAGES. A AND B CHANNELS HAVE ODD-EVEN SELECTORS; EIGHT ADDRESS SWITCHES PER CHANNEL. TEST DISPLAY HAS INDICATOR LIGHTS NUMBERED 1, 2, 4, 8, 16, 32, & 64. OPERATING MODES: EXT AUTO, INT AUTO, AND MAN. MANUAL MODE SELECTION: 5 KC, NORMAL, OR ONE SHOT. IN ALL, 67 MINIATURE TOGGLE SWITCHES (MOSTLY SPDT) ARE USED. RCA MFG. POWER INPUT NOT KNOWN. SOLD AS "RECEIVED FROM GOV'T. NOT CHECKED FOR OPERATION." SIZE: 19x7x16; SHPG. WT: 65 LBS. USED. PRICE: W/CABINET, \$55.00; LESS CABINET, \$50.

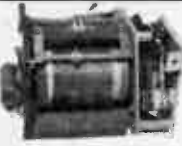


AM-1955/GRC AMPLIFIER CONVERTER USED WITH R-1148/GRC-55 RECEIVER FOR 600-1000 MHZ BAND. 17 MHZ IF. HAS 115 V 60 HZ MOTOR AS PART OF AFC SYSTEM. WITH TUBES 2C40A, 2/5842, 5654, 1N218, 1N218C. 150 VDC AND 6.3 VAC REQUIRED. SIZE: 15x9x8; 30 LBS. SH. USED, \$50.00

2.8-3.0 GHz OSCILLATOR



OSCILLATOR-AMPLIFIER ASSEMBLY with 726B klystron and two 717A tubes that were designed to be used in the 2800-3000 Mhz range. No further information available. 6x5x4, 7 lbs sh wt. Western Electric #D-150815, unused, \$18.



ROLLER INDUCTOR ASSEMBLY with motor drive. 3.4" long x 1.75" dia. coil; 28 turns #18 wire. Approx. 14 uHy with center tap. 115 VAC 400 Hz 20 watt motor turns the coil. Originally used to automatically resonate an antenna to a transceiver's frequency. O/A 4x2x2x3/4; 5 lbs. sh. #T301/CU-991, \$14.95

AM-FM TUNER

AM-FM TRANSISTORIZED TUNER, 5 TRANSISTOR 4-DIODES WITH AVC AND AFC. CONSISTS OF RF OSCILLATOR, IF DETECTOR STAGES. REQUIRES 9 VDC. NOT GUARANTEED OPERABLE. UNUSED WITH SCHEMATIC AND HOOKUP DIAGRAM. 4x3x1x1/2 BC-CD-34 TUNER \$2 EA.; 3 FOR \$5.



RECENT COMPUTER SURPLUS TRANSISTOR BOARDS
BOARD #1: 100+ TRANSISTORS, PLUS DIODES, 1/2 WATT RES., INDUCTORS, TRIMPTS, CAPS. 6"x8". 4 EA. #1, \$3.00
BOARD #2: 50+ TRANS., RES., CAPS., ETC. 5"x7". 5 EA. #2, \$1.50
BOARD #3: 150+ SILICON TRANS., ETC. 4"x6". 4 EA. #3, \$3.00

VFO - EXCITER MOD

VFO-MASTER OSCILLATOR FROM THE T-195 TRANSMITTER, GENERATES FREQUENCY OF 1.5 TO 3 MHz. HAS 5749 OSCILLATOR TUBE AND 5749 BUFFER-AMP TUBE. WITH 1/2x3/16" DIA. SHAFT. 2x3x7, WT: 5 LBS. VFO/T-195, REMOVED F/EQUIPMENT, \$7.95



EXCITER STAGE FROM T-195, USED TO AMPLIFY VFO OUTPUT AND SUPPLY DESIRED TRANSMITTING FREQUENCY TO POWER AMP. SLUG TUNED IN RANGES (1-5-3), (3-6), (6-12), AND (12-20) MHz. WITH TUBES 6AU6, 2/6AK6, AND 5763. SIZE: 4x3x8, 12 LBS. EXC/T-195, \$14.95



MODULATOR F/T-195, DESIGNED TO PROVIDE PROPER AUDIO POWER TO MODULATE POWER AMP AND SUPPLY SIDETONE. 300 Hz AND 3500 Hz BANDPASS. W/TUBES 5726, 2/12AT7, 5814. LESS 4X150 TUBES AND SOCKETS. 8x6x4 1/2, 6 LBS. \$10.95

TRANSISTOR RADIOSONDE

TRANSISTORIZED RADIOSONDE WITH CLOCKWORK TIMING MECHANISM (NO KEY); USED IN METEOROLOGICAL OBSERVATION OR SIMILAR APPLICATIONS REQUIRING AN EXTREMELY LIGHT-WEIGHT TRANSMITTER. UTILIZES A 2-TRANSISTOR MODULATOR AND A 2-TRANSISTOR TRANSMITTER CIRCUIT. TRANSMITTER HAS A 7533 INTEGRAL CAVITY TUBE WHICH FUNCTIONS AS THE TUNED CIRCUIT FOR THE OUTPUT; 1660-1700 MHz, 575 MW (NO FURTHER DATA). WITH HUMIDITY ELEMENT. TRANSMITTER SIZE: 2 1/2" DIA. X 6". OVERALL SIZE: 7x4x5 1/2. SHPG. WT: 4 LBS. FRIZ #3002, UNUSED, \$9.95



T-69F/AMT-2 RADIOSONDE TRANSMITTER ONLY. F-2 EMIS-ION (FM) 390 TO 410 MC RANGE WITH TUBES 5703 AND 5910. REQUIRES BB-208 DRY CELL BATTERIES (SOLD SEPARATE). SIZE: 6x5x2 1/2; WT: 2 LBS. \$1.50
BB-208 DRY CELL BATTERY SET WT: 1 LB. \$2.00



TCS RECEIVER



NAVY TCS RECEIVER COVERS 1.5 TO 12 MHz AM IN THREE BANDS; CONTINUOUS TUNING OR FOUR CRYSTAL-CONTROLLED CHANNELS. AUDIO OUTPUT: 1.5 MW INTO 500 OHM LOAD. WITH TUBES 2/12A6, 12SA7, 3/12SK7, AND 12SQ7. POWER REQUIRED: 220 VDC 100 MA AND 12 VDC SIZE: 11x11x13 1/2; SHPG. WT: 42 LBS. NET: 37 LBS. PRICE: USED, REPARABLE, \$19.95 CHECKED, \$0.00

TCS ACCESSORIES

TRANS. ANT. LOADING UNIT	USED	14.95
DYNAMOTOR P.S. F/REC & TRANS. 12V		14.95
REC. TO P.S. CABLE		4.95
TRANS. TO P.S. CABLE		4.95
CONTROL BOX TO P.S. CABLE		4.95
CONNECTOR PLUGS FOR ANY OF UNITS, EACH		2.00
MOUNTING BASE W/ SHOCK MOUNTS		4.75
SHOCK MOUNTS ONLY	EACH	.75
NOISE LIMITER CONVERSION KIT F/REC		3.00
AC POWER SUPPLY 115 VOLT 60 HZ TRANS.		40.00
REC. ONLY W/SPEAKER		

FOR MORE INFORMATION PLEASE WRITE

BENDIX TRANSMITTER

BENDIX TA-12B TRANSMITTER, 40 WATTS OUTPUT CW, MCW AND PHONE FROM 300 TO 600 KHZ AND 3000 TO 7000 KHZ. EACH OF THE FOUR CHANNELS HAS ITS OWN OSCILLATOR, OSC. TUNING, AND LOADING. 0-5 RF AMMETER MONITORS ANTENNA CURRENT. WITH TUBES 4/12SK7 AND 3/807. ORIGINALLY USED WITH MP-28B 24 VDC 15 AMP DYNAMOTOR-MODULATOR (NOT AVAILABLE). POWER REQUIRED: 24 VDC 3 AMPS, 260 AND 400 VDC EXTERNALLY MODULATED. SIZE: 10x15x11; WT: 40 LBS. USED, \$39.50



ELECTRO GUARD SENSOR

ELECTRO-GUARD ALARM senses tampering with protected object. Utilizes the loading of a tuned oscillator (about 30 KHz) to detect touch. The item to be protected (which must be metal) functions as an antenna and the circuit is tuned. Once the item is touched, the circuit is detuned, tripping a relay. The relay could activate sirens or horns, lights, or cameras. Unit also has continuity circuit for perimeter or fusible link fire alarm. With tuning meter, switches for test-alarm and moment-lock-delay, four relays, two tubes, and one transistor. Requires 115 VAC 60 Hz. 9x4



ANTENNA TUNER

BC-939/TN-339 ANTENNA TUNER, used with 400 watt 2-18 Mhz BC-610 transmitter. Tuner covers range in bands 2-10 Mhz and 10-18 Mhz using two 100-turn counters and one 10-turn counter. Has three variable inductors, one each rated 103 uHy, 13.6 uHy, and 1.3 uHy. Also has 0-15 RF ammeter 3 1/2" dia. and two fixed vacuum capacitors one rated 12 pf 20 KV, the other 55 pf 32 KV. Use the tuner as-is or adapt its components. Units may be gray or black. 11x11 1/2 x23 1/2, 75 lbs sh. Gov't. reconditioned. \$100.



GRAB BOX ASSORTMENT OF USED AND UNUSED MANUFACTURERS AND GOVERNMENT SURPLUS ELECTRONIC PARTS SUCH AS ASSEMBLIES, MOTORS, COILS, TRANSFORMERS, CHOKES, CIRCUIT BOARDS, CAPACITORS, RESISTORS, AND OTHER USABLE ITEMS. PACKED IN 50 LBS. CARTONS. \$7.50 EA. OR TWO CARTONS FOR \$13.00.

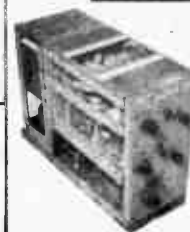
SHIPPED VIA UPS WITH FREIGHT CHARGES VARYING FROM \$5 TO \$16 PER CARTON. ALLOW FOR FREIGHT. GRAB BOX IS GOOD FILLER TO TAKE ADVANTAGE OF MOTOR FREIGHT 150 LBS. MINIMUM WEIGHT RATES.

DIGITAL DISPLAY



DIGITAL DISPLAY EACH UNIT WILL SHOW NUMBERS 0 TO 9 ALSO \$ SIGN 3-3/16" HIGH ON 3x4 SCREEN THAT CAN BE SEEN FOR QUITE A DISTANCE. OPERATES FROM 6.3 VAC. CAN BE ADAPTED FOR BASKETBALL FOUL INDICATOR BY PLACING ONE OVER EACH SCOREBOARD AND HAVE A CONTROL PANEL CONSISTING OF 5 SWITCHES AND TRANSFORMER AT THE SCORER'S TABLE. (WIRING DIAGRAM FURNISHED ON REQUEST) CAN ALSO BE ADAPTED FOR USE AS A MOVING READOUT BOARD. SIZE: 3 1/2 x 5 1/2 x 1 1/2; WT: 7 LBS. PRICES: \$3.95 EA. 3 FOR \$10.00

POWER AMPLIFIER



POWER AMPLIFIER ASSEMBLY removed from 225-400 Mhz transmitter; makes an excellent foundation for your power amp. Has oscillator section with 12AT7, 1st doubler (12AT7), buffer (12AT7), 2nd doubler (4X150), and a push-pull tripler with two 4X150's. Manual controls for crystal select, RF driver w/lock, and PA tuning w/lock. PA-grid and plate currents could be monitored by adding a 200 microammeter and switch. Silver-plated chassis includes heavy duty blower and tubes 3/12AT7 and 3/4X150A (6 v. fil.) 14x10x5, 33 lbs. #PA/TED, w/schem. \$65.

NICAD TEST



AN/USM-63 BATTERY TESTER, includes TS-737 meter and MX-1678 load box. Tests nicad batteries with or without load and charging. Range: 1-1.7 VDC using probe; 25.2-34.1 VDC at binding posts. TS-737 (8 1/2 x 6 1/2 x 4 1/2) is dual range voltmeter with 2.8 Ohm load resistor. MX-1678 (14x6x5 1/2) has two 5.6 Ohm 300 W resistors in parallel. 18 lbs sh. USM-63, Used, \$30.00.



WPT-2 TRANSISTORIZED WIRELESS AMPLIFIER BY FANON; DESIGNED FOR USE WITH CALL-ORIGINATOR BOX (NOT AVAILABLE) AS A PAGING/INTERCOM SYSTEM WITHOUT LINES. 4 WATTS PEAK. OPERATES FROM 115 VAC 60 HZ AND MUST BE IN SAME AC CIRCUIT AS THE CALLING BOX. USABLE WITH TWO 8 OHM SPEAKERS OR THREE OR FOUR 45 OHM ONES. MAY BE MOUNTED INDOORS OR OUT. SIZE: 4 1/2 x 8 1/2 x 3; SH WT: 5 LBS. UNUSED, W/INFO, \$5.95

ACCURAY SWITCH DEVICE

ACCURAY DIGITAL SWITCH has access key lock that actuates a SPDT switch connected in circuit to a lighted push button "enter" switch. Unit also has four section decimal-coded thumb switch--each section numbered 0 thru 9--and 15" input/output cable with connector. In 8x4x5 steel case with flange mount. 8 lbs shwt. #ACCU-DS, used, \$12.95



PORTABLE SIGNAL LIGHT

CANADIAN MORSE CODE SIGNAL LIGHT; MIRRORED REFLECTOR TILTED BY TRIGGER IN HAND GRIP, SIGHTING TUBE ON TOP, 4" CLEAR REPLACEABLE LENSES LISTED BELOW. TEN FOOT CABLE & 12 VDC 30 WATT LAMP. CAN ALSO BE USED AS SPOT LIGHT. COMES IN WOOD CARRYING CASE, 9x6x8; 15 LBS. CAN#5A USED \$14.95
EXTRA INTERCHANGEABLE LENSES IN RED, BLUE, GREEN OR CLEAR TINT \$1 EA. SET OF 4 \$3
EXTRA LAMP \$2.00
2 FOR \$25.




Control Boxes Filters Indicators Tuning Units Amplifiers

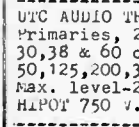
ALARM BELL
OPERATES FROM
24 VOLT D.C.
SIZE: 4 1/4 x 4 1/2 x 2 1/2
WT: 1 LB #561-3
NEW \$1.95




BC-1361 SWITCH BOX
w/bullseye light,
2 water-proof conn
4PST switch, SPST
mom. sw., and two
binding posts.
6 1/2 x 5 1/2 x 2 1/2, 2 lb. \$3.



UTC AUDIO TRANSFORMER LS-32
Primaries, 2.5, 5.5, 10, 15, 22
30, 38 & 60 ohms. Secondary
50, 125, 200, 333 & 500 ohms.
Max. level-23DBM 20Hz-20Kc
H1POT 750 v. used \$9.95



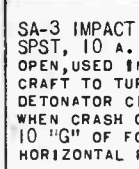
MAGNET
7" long, 3"
high, 2 1/2" wd.
6-3/4 lbs.
#SK-MAG
Seems to
have good power. \$10.00



SB-329 SIGNAL DISTRIBUTION CONTROL BOX
USED W/ARC-44
RADIO SET.
CONTAINS 4 POS. SEL. SWITCH
VOL CONT, 2 IND. LITES WITH
327 LAMPS, MINATURE SWITCHES
3/SPDT, 1/SPDT & 1/DPD
1 1/2 x 2 1/2. SIZE: 2 1/2 x 5 1/2 x 4 1/2; 5 LB
Price: Unused, \$7.95



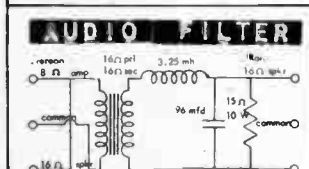
SA-3 IMPACT SWITCH
SPST, 10 A. NORM.
OPEN, USED IN AIR-
CRAFT TO TURN ON
DETONATOR CIRCUIT
WHEN CRASH OCCURS
10 "G" OF FORCE.
HORIZONTAL PLANE. \$1.95 EA.



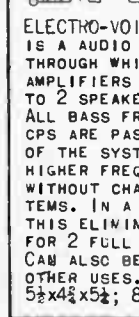
LS-230 INTERCOMMUNICATION STATION CONTROL BOX
CONTAINS 3 ROTARY 3 POSITION LEVER CONT. SW
1 LEVER SW. DP DT CENTER OFF,
1 LEVER SW. SPST 1 SIDE,
OTHERSIDE SPST MOM. & CENTE
OFF. 3 LITE IND. PHONE &
MIKE JACK & 1 MIN. TRANSFOR
50 TO 500 OHM. SIZE: 7 1/2 x 5 1/2 x 2 1/2;
WT: 3 LBS. PRICE: \$5.95



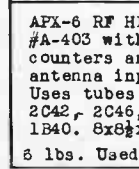
AUDIO FILTER



ELECTRO-VOICE FILTER EVXX3
IS A AUDIO FREQ. FILTER
THROUGH WHICH TWO AUDIO
AMPLIFIERS CAN BE CONNECTE
TO 2 SPEAKER SYSTEMS.
ALL BASS FREQ. BELOW 300
CPS ARE PASSED TO ONE SIDE
OF THE SYSTEM WHILE THE
HIGHER FREQ. ARE PASSED
WITHOUT CHANGE TO BOTH SYS
TEMS. IN A STEREO SYSTEM
THIS ELIMINATES THE NEED
FOR 2 FULL RANGE SYSTEMS.
CAN ALSO BE ADAPTED TO
OTHER USES. #EVXX3F
5 1/2 x 4 1/2 x 5 1/2; 8 LBS. NEW \$2.95



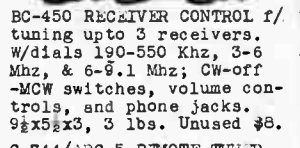
APX-6 RF HEAD
#A-403 with
counters and
antenna input.
Uses tubes
2C42, 2C46, &
1B40. 8 x 5 1/2 x 3,
8 lbs. Used-less tubes \$9.



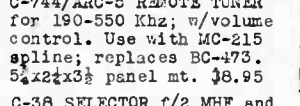
ARC-5 BOXES



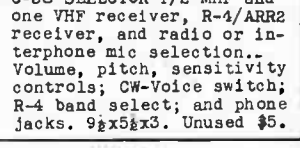
BC-450 RECEIVER CONTROL f/
tuning upto 3 receivers.
w/dials 190-550 Khz, 3-6
Mhz, & 6-9.1 Mhz; CW-off
-MCW switches, volume con-
trols, and phone jacks.
9 1/2 x 5 1/2 x 3, 3 lbs. Unused \$8.



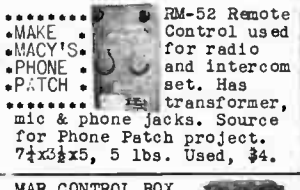
C-744/ARC-5 REMOTE TUNER
for 190-550 Khz; w/volume
control. Use with MC-215
spline; replaces BC-473.
5 1/2 x 2 1/2 x 3 1/2 panel mt. \$8.95



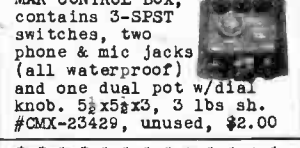
C-38 SELECTOR f/2 MHF and
one VHF receiver, R-4/ARR2
receiver, and radio or in-
terphone mic selection.
Volume, pitch, sensitivity
controls; W-Voice switch;
R-4 band select; and phone
jacks. 9 1/2 x 5 1/2 x 3. Unused \$5.



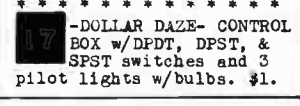
RM-52 Remote Control used
for radio and intercom
set. Has transformer,
mic & phone jacks. Source
for Phone Patch project.
7 1/2 x 3 1/2 x 5, 5 lbs. Used, \$4.



MAR CONTROL BOX,
contains 3-SPST
switches, two
phone & mic jacks
(all waterproof)
and one dual pot w/dial
knob. 5 1/2 x 5 1/2 x 3, 3 lbs sh.
#CMX-23429, unused, \$2.00



-DOLLAR DAZE- CONTROL
BOX w/DPDT, DPST, &
SPST switches and 3
pilot lights w/bulbs. #1.



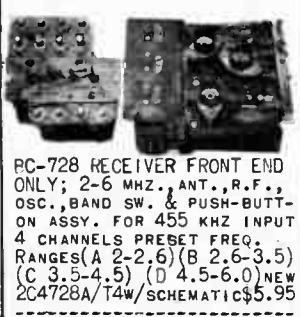
REMOTE SIGNAL BOX indicates
when Xmitter
is tuned. W/3
push-to-test
lights, DPDT
center-off
toggle switch, and a 24 VDC
relay. 5 1/2 x 4 x 2 1/2, 4 lbs. sh.
#RE-21/ARW-10, \$2.50 ea.



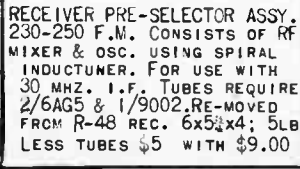
SYLVANIA LAMP SOCKET STRIP
8 SOCKETS 3/4" CENTERS \$1.00 EA
28V LAMP 28PSB 30 EA. 4/\$1



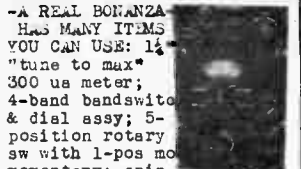
PC-728 RECEIVER FRONT END ONLY;
2-6 MHZ. ANT., R.F.,
OSC., BAND SW. & PUSH-BUTT-
ON ASSY. FOR 455 KHZ INPUT
4 CHANNELS PRESET FREQ.
RANGES (A 2-2.6) (B 2.6-3.5)
(C 3.5-4.5) (D 4.5-6.0) NEW
2C4728A/T4W/SCHEMATIC \$5.95



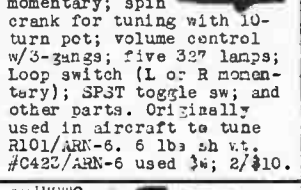
RECEIVER PRE-SELECTOR ASSY.
230-250 F.M. CONSISTS OF RF
MIXER & OSC. USING SPIRAL
INDUCTOR. FOR USE WITH
30 MHZ. I.F. TUBES REQUIRE
2/6AG5 & 1/9002. RE-MOVED
FROM R-48 REC. 6 x 5 1/2 x 4; 5LB
LESS TUBES \$5 WITH \$9.00



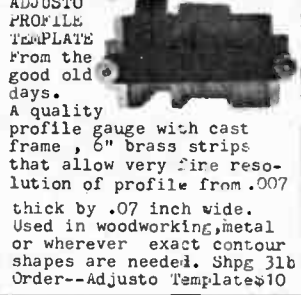
-A REAL BOONZA
Has MANY ITEMS
YOU CAN USE: 1 1/2
"tune to max"
300 ua meter;
4-band bandswitc
& dial assy; 5-
position rotary
sw with 1-pos mo-
mentary; spin
crank for tuning with 10-
turn pot; volume control
w/3-gangs; five 327 lamps;
Loop switch (L or R momen-
tary); SPST toggle sw; and
other parts. Originally
used in aircraft to tune
R101/ARK-6. 6 lbs sh wt.
#C422/ARN-6 used 3w; 2/\$10.



ADJUSTO PROFILE TEMPLATE
From the
good old
days.
A quality
profile gauge with cast
frame, 6" brass strips
that allow very fine resolu-
tion of profile from .007
thick by .07 inch wide.
Used in woodworking, metal
or wherever exact contour
shapes are needed. Shpg 3lb
Order-Adjusto Templates 10



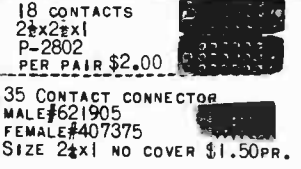
EXPLOSION PROOF STEEL BOX FOR INTERPHONE HANDSET;
MOUNTED ON
REAR OF TANK.
HAS HANDSET HOLD-
ER, CONTROL BOX,
INDICATOR LIGHT,
HEAVY SPRING
LATCH, AND CABLE CLAMP.
SIZE: 14x10x6 1/2; 35 LBS. SH.
#BC-1362, \$6.00



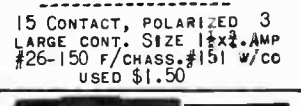
18 CONTACTS
2 1/2 x 2 1/2 x 1
P-2802
PER PAIR \$2.00



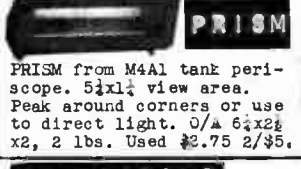
35 CONTACT CONNECTOR
MALE #621905
FEMALE #407375
SIZE 2 1/2 x 1 NO COVER \$1.50 PR.



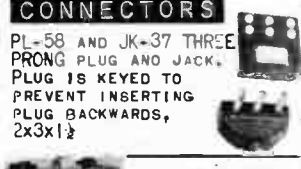
15 CONTACT, POLARIZED 3
LARGE CONT. SIZE 1 1/2 x 2 AMP
#26-150 F/CHASS.#151 W/CO
USED \$1.50



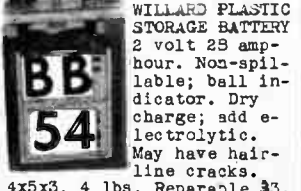
PRISM
PRISM from M441 tank peri-
scope. 5 1/2 x 1 1/2 view area.
Peak around corners or use
to direct light. 0/4 6 1/2 x 2 1/2
x 2, 2 lbs. Used \$2.75 2/\$5.



CONNECTORS
PL-58 AND JK-37 THREE
PRONG PLUG AND JACK.
PLUG IS KEYS TO
PREVENT INSERTING
PLUG BACKWARDS,
2x3x1 1/2



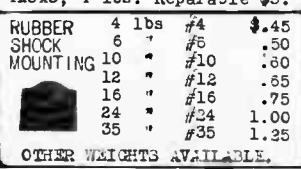
WILLARD PLASTIC STORAGE BATTERY
2 volt 28 amp-
hour. Non-spill-
able; ball in-
dicator. Dry
charge; add e-
lectrolytic.
May have hair-
line cracks.
4x5x3, 4 lbs. Repairable \$3.



RUBBER SHOCK MOUNTING

4 lbs	#4	\$4.5
6 "	#5	.50
10 "	#10	.60
12 "	#12	.65
16 "	#16	.75
24 "	#24	1.00
35 "	#35	1.25

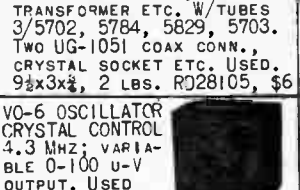
OTHER WEIGHTS AVAILABLE.



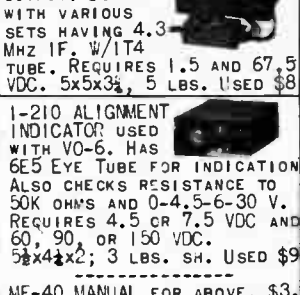
**SYNTHESIZER IF & AFC DE-
TECTOR ASSEMBLY WITH TWO**
STAGES 4.5 Mhz IF, ONE
STAGE 450 KHz IF, MIXER
TRANSFORMER ETC. W/TUBES
3/5702, 5784, 5829, 5703.
TWO UG-1051 COAX CONN.,
CRYSTAL SOCKET ETC. USED.
9 1/2 x 3 1/2, 2 LBS. R028105, \$6




VO-6 OSCILLATOR CRYSTAL CONTROL
4.3 Mhz; VARIA-
BLE 0-100 U-V
OUTPUT. USED
WITH VARIOUS
SETS HAVING 4.3
Mhz IF. W/174
TUBE. REQUIRES 1.5 AND 67.5
VDC. 5x5x3 1/2, 5 LBS. USED \$8



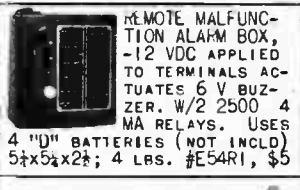
1-210 ALIGNMENT INDICATOR USED WITH VO-6.
HAS 6E5 EYE TUBE FOR INDICATION
ALSO CHECKS RESISTANCE TO
50K OHMS AND 0-4.5-6-30 V.
REQUIRES 4.5 CR 7.5 VDC AND
60, 90, OR 150 VDC.
5 1/2 x 4 1/2 x 2; 3 LBS. SH. USED \$9



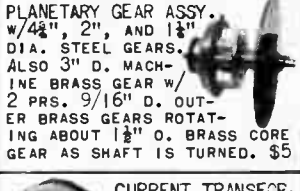
ME-40 MANUAL FOR ABOVE, \$3.



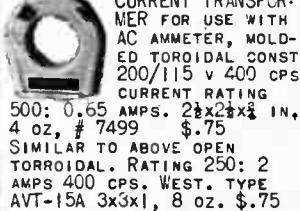
SWITCH ASSY. FUEL LEVEL CONTROL.
24 vdc 3 amp.
7" cylinder, 2 1/2" dia.
United Controls N7-1-16 \$10



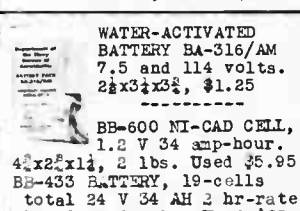
REMOTE MALFUNCTION ALARM BOX,
-12 VDC APPLIED
TO TERMINALS AC-
TUATES 6 V BUZ-
ZER. W/2 2500 4
MA RELAYS. USES
4 "D" BATTERIES (NOT INCLD)
5 1/2 x 5 1/2 x 2 1/2; 4 LBS. #E54R1, \$5



PLANETARY GEAR ASSY.
W/4 1/2", 2", AND 1 1/2"
DIA. STEEL GEARS.
ALSO 3" D. MACH-
INE BRASS GEAR W/
2 PRS. 9/16" D. OUT-
TER BRASS GEARS ROTAT-
ING ABOUT 1 1/2" O. BRASS CORE
GEAR AS SHAFT IS TURNED. \$5



CURRENT TRANSFORMER FOR USE WITH AC AMMETER, MOLDED TOROIDAL CONST
200/115 v 400 CPS
CURRENT RATING
500: 0.65 AMPS. 2 1/2 x 2 1/2 x 2 IN.
4 oz, # 7499 \$.75
SIMILAR TO ABOVE OPEN
TOROIDAL. RATING 250: 2
AMPS 400 CPS. WEST. TYPE
AVT-15A 3x3x1, 8 oz. \$.75



WATER-ACTIVATED BATTERY BA-316/AM
7.5 and 114 volts.
2 1/2 x 3 1/2 x 3 1/2, \$1.25

BB-600 NI-CAD CELL,
1.2 V 34 amp-hour.
4 1/2 x 2 1/2 x 1 1/2, 2 lbs. Used \$5.95
BB-433 BATTERY, 19-cells
total 24 V 34 AH 2 hr-rate
14x10x7, 84 lbs. Used \$85.
BB-652 NI-CAD CELL, 1.2 V
13 AH; 4 1/2 x 2 1/2 x 1 1/2. Used, \$3.

RATE-GYRO
No. 8511364
28 VOLTS D.C
GYRO MOTOR
WITH POTEN-
TIOMETER.
WESTERN
ELECTRIC
GA-10147--3
SIZE: 2 1/2 x 2 1/2 x 4; WT: 3 LB. \$8.95

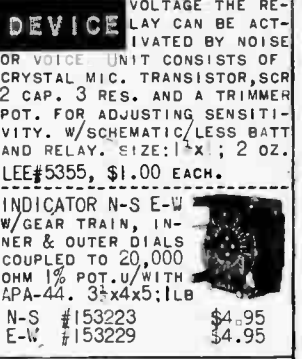


NOISE-VOICE ACTIVATED TRIGGERING DEVICE



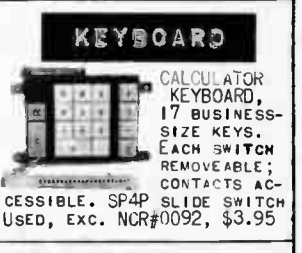
WHEN CONNECTED TO 6-9 VOLTS AND A RELAY OF THE SAME VOLTAGE THE RELAY CAN BE ACTIVATED BY NOISE OR VOICE UNIT CONSISTS OF CRYSTAL MIC. TRANSISTOR, SCR 2 CAP. 3 RES. AND A TRIMMER POT. FOR ADJUSTING SENSITIVITY. W/SCHEMATIC/LESS BATT AND RELAY. SIZE: 1 1/2 x 1; 2 OZ. LEE#5355, \$1.00 EACH.

INDICATOR N-S E-W
W/GEAR TRAIN, IN-
NER & OUTER DIALS
COHM TO 20,000
OHM 1/2 POT.U/WITH
APA-44. 3 1/2 x 4 x 5; 1LB
N-S #153223 \$4.95
E-W #153229 \$4.95



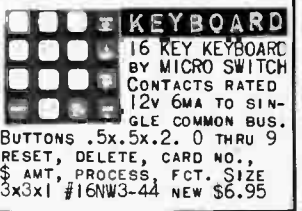
KEYBOARD

CALCULATOR KEYBOARD,
17 BUSINESS-
SIZE KEYS.
EACH SWITCH
REMOVABLE;
CONTACTS AC-
CESSIBLE. SP4P
SLIDE SWITCH
USED, EXC. NCR#0092, \$3.95



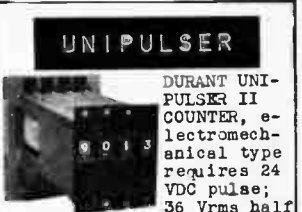
KEYBOARD

16 KEY KEYBOARD
BY MICRO SWITCH
CONTACTS RATED
12V 6MA TO SINGLE
COMMON BUS.
BUTTONS .5x.5x.2. 0 THRU 9
RESET, DELETE, CARD NO.,
\$ AMT, PROCESS, FCT. SIZE
3x3x1 #16NW3-44 NEW \$6.95



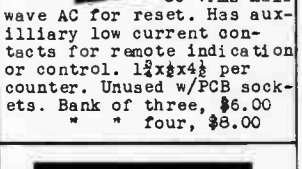
UNIPULSER

**DURANT UNI-
PULSER II**
COUNTER, e-
lectromech-
anical type
requires 24
VDC pulse;
36 Vrms half
wave AC for reset. Has aux-
illary low current con-
tacts for remote indication
or control. 1 1/2 x 4 1/2 per
counter. Unused w/PCB sock-
ets. Bank of three, \$6.00
" " four, \$8.00



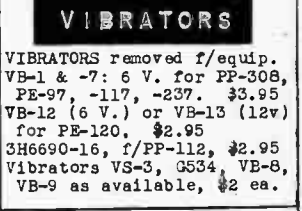
VIBRATORS

VIBRATORS removed f/equip.
VB-1 & -7: 6 V. for PP-308,
PE-97, -117, -237. \$3.95
VB-12 (6 V.) or VB-13 (12v)
for PE-120. \$2.95
3H690-16, f/PP-112, \$2.95
Vibrators VS-3, G554, VB-8,
VB-9 as available, \$2 ea.

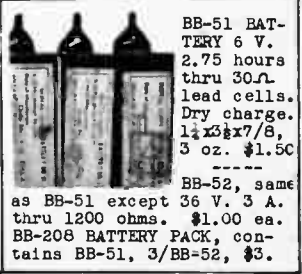


VIBRATORS

BB-51 BATTERY 6 V.
2.75 hours
thru 30.0
lead cells.
Dry charge.
1 1/2 x 3 x 7/8,
3 oz. \$1.50



BB-52, same
as BB-51 except 36 V. 3 A.
thru 1200 ohms. \$1.00 ea.
BB-208 BATTERY PACK, con-
tains BB-51, 3/BB-52, \$3.



PUSH-TO-TEST



PUSH TO TEST INDICATORS WITH MARKINGS ALSO HAVE CLEAR & AMBER LENSES

KORRY MFG., ALL UNUSED.

KORRY 260 Push-To-Test Indicators, Double Lampholder with Miniature Bayonet Bases. 1 1/2" x 2 1/2" x 1 1/2". NEW. Choose from these lens inscriptions: POWER, AC POWER ON, PHASE B POWER, 28 VDC OR 24 VOLTS DC. \$1 EA, 3/\$2

KORRY 260 indicators with rocket launch-related inscriptions: UNLOCK, TESTING, COMPONENTS TEST POWER ON, HEATER 1-2-3, CENTER, LN OVERFLOW, LN LOWER LEVEL, LN UPPER LEVEL, 100% LIQ OXY, LIQ OXYGEN FINE, FUEL TANK PRESSURIZED, COOLANT FILL, IGNITER, 40 C THERMO-STAT, AIRBORNE POWER SUPPLY, LOX THROT VALVE HEATER. Price: 75¢ ea or 4 for \$2.

ASSORTMENT OF ROCKET LAUNCH INDICATORS, NO CHOICE, 6/\$2

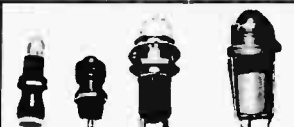
KORRY 136 PUSH-TO-TEST INDICATORS, SINGLE LAMPHOLDER WITH MINIATURE BAYONET BASE 1 1/2" x 2 1/2" x 1 1/2". INSCRIPTIONS: STANDBY; OVER-LOAD; LOW; MALF. 65¢ 2/\$1.

KORRY 103 INDICATOR, PUSH-ON RED PLASTIC CAP; PLASTIC BODY. 5/8" SINGLE HOLE MOUNT. #5167, 50¢ EA. 3/\$1.

LAMP HOLDERS FOR 327 LAMPS 3/8" HOLE MTG. FLAT TOP LENSE 3/8" DEEP, WHITE LENS NUMBERED 1 TO 9, YELLOW ("MAX"), RED, AMBER, AND GREEN. SPECIFY. #6210-617-0934, 39¢ EA. #327 LAMP FOR ABOVE, 39¢

NEON CYLINDRICAL TYPE LITE #3509 115V 100K 3/8x1 1/2" LUDOMA V W/RES. 3/8x1 1/2" #2685 29V .04A 1/4x7/8

OBLONG SLIP IN TYPE NEON 1/2x1-3/8" 125V. #3100 USED ALL ABOVE 3 FOR \$1.00



SUB-MINIATURE NEON PILOT LIGHT ASSEMBLY. FLUTED 5/16" DIA. CLEAR JEWEL. BASE IS FEMALE PART FOR A THREE PRONG PLUG WITH 1/16" DIA. HOLES IN ISOSCELES TRIANGLE PATTERN. MOUNTS IN 3/8" HOLE. 0" TO 3/8" SURFACE CLEARANCE. 1 3/8" LONG. INCLUDES BULB. USED. 110V. PIL007 \$.25 5/\$1.00

SINGLE TERMINAL AND CONTACT SUB-MINIATURE DIMMER PILOT LIGHT. MECHANICAL DIMMER VARIES SIZE TO COMPLETE DARKNESS. REQUIRES T-1 1/2 BULB. 5/16" DIA. SMOOTH RED JEWEL. MOUNTS IN 7/16" HOLE. 1 3/8" LONG. LESS BULB. NEW. 6210-643-4087 \$.59

PILOT LIGHT WITH SINGLE CONTACT, MINIATURE BAYONET BASE. CLEAR STOVEPIPE, SMOOTH 5/8" DIA. JEWEL. MOUNTS IN 1 1/16" HOLE. SURFACE CLEARANCE IS 0" TO 3/8 2 1/8" LONG. LESS BULB. USED. PIL008 \$.39

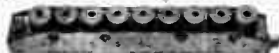
PILOT LIGHT WITH SINGLE CONTACT, CANDELABRA SCREW TYPE BASE. 1" DIA. RED-FACED JEWEL. MOUNTS IN 1" HOLE WITH SURFACE CLEARANCE OF 0" TO 1/2". 2 1/2" LONG. LESS BULB, UNUSED. PIL003 \$.59

PILOT LIGHT WITH SINGLE CONTACT, MINIATURE BAYONET BASE. 1/2" DIA. SMOOTH. GREEN JEWEL. MOUNTS IN 5/8" HOLE WITH A SURFACE CLEARANCE OF 0" TO 1/2". 2 1/16" LONG. LESS BULB, UNUSED. PIL004 \$.49

PILOT LIGHT JEWELS, 1/2" dia for 3/8" dia threaded assy. Asst colors. Series-F 6/\$1

WHITE SWITCHBOARD JEWELS, 3/8" dia. #401971, 10/\$1.

500 KHZ FILTER



COLLINS 500 KHZ FILTER ASSEMBLY consisting of line adjustable coils and associated capacitors on 2 1/2x6 enclosed chassis. Uses MB style miniature connector. Units are checked, but may need alignment. Collins part #542-4777-004, \$3.00 Above, need repair, 2/\$4.00

INDUCTORS

FERRITE POT CORE INDUCTORS, PC mount 7/8x 1/2 dia NEW. 123-177 mH, #NV242, \$1.50 600 mH, #404-3-2, \$1.50 TORROIDAL COILS, 5/16x1 dia 150 mH, #403-1-1, 85¢ ea.

TELEPHONE PICK UP COIL used in modem data coupler; no specs. 5/8x1 1/2 dia #403-4 \$1



MEISSNER PLUS-IN COILS, 3 in set including osc-ing osc grid, osc-plate, & buffer. # KHZ PRICE 3C2500-51 2040-2410 \$1.50 3C2500-52 2395-2835 1.75 Standard 4-5-6 prog sockets required for each set.

NATIONAL NC-100 ASC CW OSC tuning coil. 456 KHz \$3. 1st IF 9A1952 #147 \$3.00 2nd IF 9A1953 #148 3.00

BUD TRANSMITTING PLU-IN COILS on 5-pin ceramic base #3C804 40 meters \$1.50 #3C805 20 meters 3.00

CERAMIC COIL FORM, space wound f/43 turns #14 wire; 5x2 1/2x2, 1 lb #ARTL3L113 \$1.

VERNIER DIAL, 2 1/2" dia. 0-100 scale 180 degree with coupling for 1/2" shaft. #TU-10VD \$4.50

RIGHT ANGLE DRIVE vernier control, 1 1/2" dia. dial, w/ look & coupling f/1/2" shf 3-hole mtg. #TU-LORA, \$2.

SPECTROL MULTI-DIAL #25-1-13 11 turns, 1099 digits. 13/16" dia. f/1/2" dia. shaft. Used, \$5.

TERMINAL LUGS, insulated for 22-18 wire. Specify ring or spade tongue style. 15/\$1.00 100/\$4. 1K/\$25. AVIKRIMP quick connect: #AAB140 or MB136 (26-24) 12/\$1.00 100/\$7. 1K/\$35.

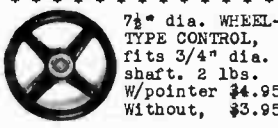
FLUTED KNOBS



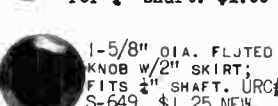
OHMITE KNOB, 3 1/2" dia. w/ pointer; fits 3/8" dia. shaft. \$2.95

LUXITROL KNOB, 2-3/8" dia. w/pointer; fits 3/8" dia. shaft, \$1.50

#9682 KNOB, 2 1/2" across flutes; 3" dia. skirt. F/ 1/2" dia. shaft. \$1.85



7 1/2" dia. WHEEL-TYPE CONTROL, fits 3/4" dia. shaft. 2 lbs. W/pointer \$4.95 Without, \$3.95



HEWLETT-PACKARD knob from test equipment, 1-3/8" dia skirt, 3/4" high; brass insert for 1/2" shaft. \$1.00

1-5/8" DIA. FLUTED KNOB W/ 2" SKIRT; FITS 1/2" SHAFT. URC# S-649, \$1.25 NEW

1 1/2" DIA. FLUTED KNOB WITH SKIRT AND POINTER. BRASS INSERT FOR 1/2" SHAFT. KBNB005 \$.25

MODERN GREY KNOB w/fine-ribbed shaft. 1 1/2" dia X 9/16"H. F/1/2" dia sh. #7577 NEW \$1.

1" DIA. FLUTED KNOB WITH POINTER, BRASS INSERT FOR 1/2" SHAFT. KBNB007 \$.25

1" DIA. FLUTE KNOB WITH BRASS INSERT FOR 1/2" SHAFT. KBNB008 \$.25

ALL THE ABOVE KNOBS ARE OF SET SCREW TYPE.

SPIN KNOBS

2" DIA. METAL FLUTED SPIN KNOB FOR 5/32" SHAFT KBNB009 \$.79

2 1/2" DIA. SPIN KNOB. METAL. TAKES 3/16" SHAFT. #8089 NEW \$2.00

MAKE ANY FLAT KNOB A SPIN 1 1/2" ADAPTER WITH 3 HOLES, TO FASTEN TO YOUR KNOB, WITH SPIN GRIPPER #225816-3 \$1.00

1-5/8" DIA. METAL SPIN KNOB F/1/2" SHAFT. URC#KN02, \$1.50

1 1/2" DIA. FLUTED KNOB W/1 1/2" SKIRT; BRASS INSERT FOR 3/8" SHAFT. URC#KN04, \$.50

1-5/8" DIA. FLUTED KNOB W/ 2" SKIRT; BRASS INSERT FOR 3/8" SHAFT. URC#KN03, \$.75

Brown 1" dia x 1 1/2" high knob for 1/2" shaft. #KBN025, 2/25¢

HAMMARLUND DIAL #31227-3 2 1/2" silver skirt marked 10 to 0; 1-5/8" dia knurled knob. #E921, NEW, \$1.50

MATCHED KNOBS, rounded edge w/4 sets of 4 hash ridges. Looks like old Hammarlund. #E5168 2 1/2" \$3 #E5570 1 1/2" \$2

HALLICRAFTERS with big 1 1/2" dia; arrow & grip bar. #HG1014 new \$1.50

BAR TYPE KNOBS

BAR TYPE BAKELITE KNOB FOR 1/2" SHAFT 1 1/2" x 5/8" SET SCREW TYPE. KBNB012 \$.25

BAR TYPE BAKELITE KNOB FOR 1/2" SHAFT WHICH MUST BE TAPED FOR SET SCREW. 1 1/2" x 5/8" KBNB013 \$.25

RECTANGULAR BAR TYPE BAKELITE KNOB 1 1/2" x 5/8". WITH BRASS INSERT FOR 1/2" SHAFT. SET SCREW TYPE. KBNB014 \$.25

Pointer knob with brass insert for 1/2" shaft; 1 1/2" x 1 1/2". #KBNB026 25¢ ea

Bar type bakelite knob with pointer. For 1/8" shaft; vertical set screw. 1 1/2" x 5/8" x 1/2". KBNB016 4/\$1.00

Rounded bar style knob, 1-1/8" long x 1/2" across x 11/16" H. Brass insert f/ 1/2" dia sh. #KNART13 3/\$1.

1 1/2" DIA. METAL KNOB FOR 1/2" SHAFT WITH TWO SET SCREWS. FINGER GRIP KNOB FOR HEAVY SWITCHING APPLICATIONS. KBNB018 2/\$.35

1-5/8" dia plastic knob with 2 1/2" dia aluminum skirt calibrated 0 to 10. Brass insert for 1/2" dia shaft. #9414 NEW \$.50 ea

1" dia plastic knob with 1 1/2" dia skirt calibrated alphabetically A-B, ..Y-Z. Aluminum skirt; f/1/2" shaft. #5312 NEW \$.50 ea

3/4" RIBBED KNOB 7/8" DEEP 1" SKIRT F/1/2" SHAFT OULL BLK. KNB7820 35¢

5/8"x3/4" SAME AS ABOVE BRIGHT BLK. KNB1261 20¢

1" dia. x 11/16" high knob, Ribbed style; Insert recessed 1/2" from base for flush fit. KNE2279, 30¢ ea.

1 1/2" KNOB MARKED "INCREASED OUTPUT"; 1/2" HOLE WITH SET SCREW. 1 1/2" THICK. METAL. KBNB023 \$.25

1-1/8" dia fluted plastic knob with 1 1/2" dia skirt; brass insert for 1/2" shaft. #9347 NEW \$.50 ea

MINIATURE LAMPS

STK #	TYPE	V.	A.	BASE	BULB	EA	Per 10
#14	flashlight	2.47	.3	oand ac	T-3 1/2	.30	\$2.00
#47	bulbs	6.3	.15	min bay	T-3 1/2	.20	1.00
#327	grain of wheat	28	0.04	a	T-1 1/2	.39	3.00
#460		22	.55	min ac	G-6	.35	3.00
#511		2	.25	min ac	G-6	.20	1.00
NE-2	switchboard	1/17	2F	slide base	T-4 1/2	.20	1.00
NE-48/991	neon	115	.25	DC bay	T-4 1/2	1.50	12.00
NE-51	neon	115	.25	min bay	T-3 1/2	.40	3.00
2Z5882		18	.11	can ac	T-3 1/2	.20	1.00
405491K1	switchboard			K1 slide base	G-6	.20	1.00
6Z6806.6	TS-87 6-8 V			can bay	S-801	.35	3.00

SEALED BEAM

MARINE TYPE 600 WATT 28 VOLT GE Q600 PAR 56/1 SCREW TERMINALS PRICE: \$6.00 EA. WRITE FOR 100 LOT PRICE.

GRIMES LAMP ASSY. #4725-24 WITH 327 GRAIN/WHEAT BULB. 6220-333-5827 59¢ EA. 2 FOR \$1

LINE FILTERS

RF LINE FILTERS unused. #513-3*05, 2x3 amp 125 VAC 60 Hz; four solder terminals. 2x2 1/2x1 1/2, 1 lb. \$1.25 ea. #FA-380, 3 X 28 VDC 10 amps; screw terminals. Filtron mfg.; 3x3x1 1/2, 2 lbs. Unused, \$2.50 #A2240, 3x75 amps 250 VAC/50/60 Hz; six stud terminals. 12x10 1/2x4 1/2, 25 lbs sh. \$24.95 #537-6615, 55 amps 30 VDC; two stud terminals. 2 1/2x5x2, 3 lbs sh wt. \$2.95

HORN

SIMPLEX HORN, 6 VAC 2.5 AMP 60 HZ. MAKES LOUD PENETRATING NOISE. SCREWDRIEN VOLUME ADJUST. HEAVY STEEL CONSTRUCTION. DESIGNED FOR PARTIAL RECESS MOUNT. FRONT ENCLOSURE 4x4x1 1/2; DEPTH REQUIRED BEHIND: 1 1/2. #624-427. \$5.95

SPRAGUE #JN14-1551A 3 X 50 AMP 440 VAC 60 Hz LINE FILTER. 1 1/2x 9x3 1/2, 18 lbs sh. NEW \$28.95 GENISCO GF-1901-75D 75 AMP 250 VAC/800 VDC FILTER, knock-outs for hook-up; long style 2 1/2x4x4, 23 lbs. NEW \$14.

RECTIFIER CAPACITOR ASSY WITH TWO 950 MFD 75 VDC (90V SURGE) COMPUTER GRADE CAPACITORS, TWO 50 MFD 75 VDC CAPS, AND FIVE 200 V 2 AMP DIODES. MOUNT BRACKETS INCLD. USE AS BASE FOR SMALL POWER SUPPLY. REMOVED FROM EQUIP-EXCELLENT, \$2.95

ADJUSTABLE ALUMINUM SHOCK-MOUNT WITH FOUR 1 1/2-3 LBS. SHOCKMOUNTS. PERFECT FOR SMALL POWER SUPPLY, AMPLIFIER OR OTHER GEAR. FITS 5-1/8" W X 6 1/2" TO 7 1/2" DEEP UNIT; 2" HIGH. SH WT: 3 LBS. #MT-569A/ARA, UNUSED, \$2.50

NATIONAL HRO COILS

Individual coils for HRO receiver coil set plug-ins.

Unused, \$2.50 ea; 4 for \$8.00

KHZ

50-100: E112, E113/B143, E114/B144

100-200: E109/B139, B140

175-400: B112, B113

900-2000: B118, B119, B120

2-4 MHz: B123

4-7 " : B127, B128, B129

7-14 " : B130, B131, B133

14-30 Mhz: E80, B137

BC-810

BC-610 XMITTER PLUG-IN TUNING UNITS, 4 lbs.

#	MHZ	Price
C-389A	4.5-5.7 NVL	\$4.00
C-389C	" " WVL	6.00
C-390C	5.7-8.0 WVL	6.00
C-447	8.0-11 NVL	4.00
C-447B	" " WVL	6.00
C-448B	11-14 WVL	6.00

TU-47 (2.0-2.5 Mhz), TU-48 (2.5-3.2), TU-49 (3.2-4.0) TU-50 (4-5), \$7.50 each

TU-53 (8.0-12.0 Mhz) \$3.95

TU-54 (12-18 Mhz), \$12.00

VACUUM CAPACITOR

by Jennings with connectors. Unused.

3.0mmf 15kv "Y" \$2.75

Jennings or equal mfg. used.

12mmf 20kv "VC" \$10.00

50mmf 32Kv "VC" \$14.00

TRAVELING WAVE TUBE

EMI 7640 TWT, similar to Hughes 313H; 2.0-4.0 Ghz, 1 KW output, 30 db. 16x3x3x5; 20 lbs. sh. Sgld as an experimenter's item only; not guaranteed. \$17.50

ITT D-2013 CM TWT, 5 watts 33 db gain, 8.0-9.6 Ghz; 6.3 v. heater. 12x1x1x1 dia. 3 lbs. sh. Unused, \$45.00

RCA 4012/A1157 TWT, 2.0-4.0 Ghz, 36 db min., 20 MW min. 15x1x1x1 x 3x1x1x1 w. 4 lbs. sh. Unused, \$40.00

VARIABLE CAPACITORS

removed f/ T-195/C transmitter.

#C-222/T-195, 25-485 pf one sec.; 23-437 pf the other. 0.03" air gap. With gears 1/2" dia. and 5/8" d. 4x3x4 1/2 overall. \$4.95

#C-221/T-195, 13.5-77.8 pf one section; 17-99.6 pf the other. 0.094" air gap. 2 1/2 x 1/2" dia. shaft. 5x1x1x3 1/2 overall. 2 lbs sh. \$3.95

20-400 PF 0.02" gap. Ceramic insulation, silver plate. 5/8x1 1/2" dia shaft. 4x1-5/8 x1 1/2. #C-1003/T-195, \$4.95

ERODBAND TUNER

14-50 MHz 10-150mmf var capacitor mechanically coupled to iron slug in a coil which moves as the capacitor is rotated. various other components. 3x2x3 #RT-45 \$1.95

TCS VARIABLE CAPACITOR

2 SEC. 10-360 MMF, ONE SEC 10-360 MMF, 3 BAND CALIBRATED DIAL 4" 1.5 TO 12 MM SIZE: 7x3x3 1/2; WT: 10 LBS. #881 \$3.95 USED

Piston style glass ver. 1-20mmf #9645 \$7.75

5910-193-8025 3 GANG 8-50 MMF 2000 VDC, ROTOR SECTION INSULATED FROM EACH OTHER. SIZE 3 1/2x2 1/2x6 1/2; 2 LBS. \$6.95

RBF-3-14A164, 10-40mmf gap 0.04". 2x1.5x2 1/2x2 \$2.95

HAMMARLUND VAR. CAPACITOR

20-90 pf 0.05" spacing. Silver-plated, 0.04" thick plates. Right angle worm and split gear drive. Shaft 1/2" x 1/2" dia. 4x2x2 1/2 #446-6571 \$12.95

FREQUENCY METER

VARIABLE CAPACITOR W/VERNIER TUNING 11.5-160MMF. 3x3x5; 2LBS. #BC-221 OR EQUAL NEW \$8

VARIABLE CAPACITOR

15-420 pf single section. 0.03" air gap. Shaft: 3/8" dia. threaded first 3/8"; 3/8" dia. next 3/8". Overall: 1-3/8x1-3/8 x4 1/2. #167-0459, \$4.95

#48B083C; 10-106 PF, .02" AIR GAP; 1 1/2x1 1/2x1 1/2, SHAFT: 1x1 1/2" DIA. UNUSED. \$1.50

Three Gang 0.03" spacing 15-85 each section. 3.2x1.6 x1.8 in. #074-049 \$4.95

BC-624 RECEIVER R.F. TUNER ASSY

100 - 156 MHz A.M. W/VARIABLE CAP. COILS, TUBE SOCKETS. OSG. SEC. P/O SCR-522 5x5x5; WT: 7LBS 22K11150 Used \$3.95/N \$5.95

RF-OSCILLATOR TUNING CAPACITOR

F/ MARK II RECEIVER; 4-GANG, 0-530 PF/GANG. 3x1 1/2x6. 5/8x5/8" DIA. SHAFT. #76330-C, USED, \$4.95

TANK TUNING CAPACITOR FROM MARK II; 1-GANG, 0-563 PF. 0.03" AIR GAP; 3 1/2x2 1/2x1 1/2, 1x1 1/2 DIA SHFT. #76348-C, \$2.95

TUNING CAPACITOR

F/RT-176/PRC-10, 38 TO 54.9 MHz; 5-GANG, 5-33 PF/GANG. WITH 1 1/2" AND 5/8" DIA. GEARS; 3/16" DIA SHFT. 1 1/2x1-5/8x4, USED, \$4.95

5-25 PF CAPACITOR, worm gear & ceramic insulated shaft and stators. Rotor plates on common metal shaft; .03" gap. Rating made with two sections in series. May be modified into two 10-50 pf sections. Gear shaft: 1" x 1/8" d. Other 5/8" x 1/2" d. O/A 4 1/2 x 2 1/2 x 1 1/2. Silver-plated. #710-4608 \$6.95

TRANS. CAPS.

DUAL 4-30 MMF 1000 VDC 1 1/2x1 1/2, SHAFT 1/2x1/2 P/O BC-640 CARDWELL 430/IM REM \$2.95

DUAL 5-25 MMF 2000 VDC 1 1/2x1 1/2, SHAFT 1/2x1/2 P/O BC-640 CARDWELL 525/2M REM \$3.95

DUAL 4-20 MMF 2000 VDC 1 1/2x1 1/2, SHAFT 1/2x1/2 P/O BC-640 CARDWELL 420/2M REM \$3.95

DUAL 4-50 MMF 1000 VDC 1 1/2x1 1/2, SHAFT 1/2x1/2 P/O BC640 CARDWELL 450/IM REM \$2.95

BC-624/522 RECEIVER, 3 GANG 6-36 MMF EACH SECTION WITH SLUG TUNED TRIM. SHAFT 5/16 STK/3D9036V SIZE: 4 1/2x2 1/2x2 1/2; 1 LB. \$1.50

12-365 PF SINGLE SECTION, gear reduction tuning. 1 1/2 shaft; o/a 3 1/2x3 1/2x2 1/2. #3D9378VBS, unused, \$4.50

DUAL 6-22 MMF 1500 VDC 1x1 1/2x2 1/2 SHAFT 3/16x1 1/2 TELERADIO 622/15 NEW \$1.95

VARIABLE CAPACITORS

removed f/unused TU-10 tuning units. 0.09" air gaps.

#T-7660443-4, 19-116 pf, 3/8x1 1/2" dia. shaft. O/A: 1 1/2x3 1/2x2 1/2, 2 lbs. \$3.95

#P-7761569, 14-62 pf, 1 1/2x1 1/2" dia. shaft. 2 1/2x2 1/2x2 1/2, \$3.95

#T-7660443-8, 8-26 pf, 5/8 x 1 1/2" dia. shaft. Overall: 1 1/2x2 1/2x3, 2 lbs. \$3.95

DUAL 30-200 PF

0.02" spacing w/silver-plated linear frequency plates. In metal case for shielding. Shaft 1/2" lg x 1/2" dia. 1 1/2x2 1/2x2 1/2. #906-8549 \$10.95

DUAL 30-200 PF 0.02" spacing w/silver-plated linear frequency plates. In metal case for shielding. Shaft 1/2" lg x 1/2" dia. 1 1/2x2 1/2x2 1/2. #906-8549 \$10.95

PRE-SELECTOR UNIT

ASST PART OF R-48 REC. 230-250 MHZ. CONSISTS OF RF MIXER & OSCIL. USING 6AG5-2 EA. 9002-1 EA. TUBES (LESS TUBES.) FOR USE WITH 30 MC I.F. SIZE: 6x5 1/2x4; 5 LBS. USED \$5

GLASS PISTON CAPACITORS

#VJ-770, 15 pf 5/8x1 1/2 \$1.00

VJ-244, 20 pf 1 1/2x1 1/2 \$1.00

VC-30G, 30 pf 2 1/2x1 1/2 \$1.00

AIR CAPACITORS, 0.02" spacing; shft 1/2" d, 3x1 1/2x1 1/2

#21105-14 8-20 pf \$1.50

#21105-15 8-35 pf \$1.65

TU-53 OSCILLATOR PLUG-IN

W/SCR. FCF BC-610 TRANSMITTER

FREQ. RANGE 8-12 MHZ. CONTAINS VAR. CAPACITORS WITH SHAFTS 140 MMFD, 190 MMFD. 2/CERAMIC CAP. 1/MICA CAP. 4/R.F. COILS, 2/RES. 1/OPDT SW. 1/DIAL, 2/KNOBS, CRYSTAL SOCKET, AND OTHER PARTS. SIZE: 2x8x4 1/2; 4 LBS. \$3.95

TRANSMATCH ASSY

ROTARY INDUCTOR, 16 TURNS. 5-4.15 MICRO-HY. W/VARIABLE CAP. 5-50 MMF. 2000V

RE-MOVED FROM EQUIP. DESIGN FOR 14-50 MHZ. SIZE: 2 1/2x5x5 4 LBS. #B8W502 \$6.95

MAGNETIC FOCUSING YOKE

WITH 2 MAG NETS MOUNTED IN RING RING SIZE 2-1/8" DIA. 5/8" W. 1" HOLE. MAG-NETS 5/8"x1/2"x9/16 WT: 7 OZ. #MAGNET CIR-7 PRICE: 35¢ 3 FOR \$1.00

RECEIVING TYPE CAPACITORS

FOR AM-FM-AUDIO-OSCILLATOR USE WITH SHAFTS.

#48842 DUAL 12-90 MMF & 15-140 MMF SIZE 1x1 1/2x1 1/2 \$1.00

#66972 DUAL 9-50 MMF & 1-100 MMF, SIZE 1x1 1/2x1 1/2 \$1.00

#330V020-H02 DUAL 10-90 & 14-140 MMF 1 1/2x1 1/2x1 1/2 \$1.25

#074-050J-2, 8-20 pf 1/2x1 1/2 shaft. \$1.25

Dual 5-15mmf, ceramic, w/friction gear to hold setting. 0.04" spacing. 2 1/2x1 1/2x1 1/2-7/8 in dia shaft. coil & gear removable. #358-3164 \$1.95

#KS21146L1, 3-GANG, 7-60 PF/SEC. 0.03" GAP. O/A 5 1/2x1 1/2x1 1/2, \$3.95

#NL981337-2; 35-180 PF; 3x1 1/2x1 1/2; 1 1/2x1 1/2" D. SHFT. \$2.95

2.3-14 PF, 1/2x3/16" dia shaft. #228-6085, \$1.25

3D9200V-19 4 GANG, 14-200 MMF 3 1/2x1 1/2x4 1/2 \$4.50

AIR PADDER CAP

ALL PADDER CAPS. REQUIRE SCREW-DRIVER ADJUST.

351-1054 2-8 PF 49¢

03535 2-20 PF 49¢

CTN48785 5-17 PF 49¢

657-J3 8-55 PF 79¢

K336534 10-49 pf 79¢

SEL72285-2 8-32 pf 59¢

3D9011V-7 5-14 pf silver-plated Hammarlund, 89¢

JOHNSON #189-6-6; 1.8-13 pf 650 v. 7/16x7/16x9/16; 89¢

JOHNSON #T2-16; 1.9-15.7 pf 325 v. 9/16x5/16 DIA., 89¢

#3D9006V-7 DIFFERENTIAL, 3-6 PF, .045" GAP; 1 1/2x1 1/2, 1 1/2x1 1/2" D. SHAFT. NEW, \$1.95

20-280 PF 0.02" air gap. Tapered plates for linear frequency; precision worm and split right-angle gear drive. Double shaft 1/2" lg x 3/16" dia each end. O/A 5x3 1/2x2 1/2. #3D9270V-4 \$12.95

COMMAND RECEIVER

VARIABLE CAPACITORS, 3-GANG, TRIMMERS & GEARS. 2 1/2x3x4 1/2; 3 LB.

#4601, 147 PF, 3-6 MHZ, \$4.

#6558, 62 PF, 6-9 MHZ, \$4.

LC-902 ANTENNA INPUT TANK FOR TN-3A/APR-1 TUNING UNIT, FREQ. 76 TO 300 MHZ. WITH VARIABLE CAPACITOR, COIL, AND 955 TUBE SOCKET. SIZE: 4x3x3 WT: 4 LBS. UNUSED \$9.95

LC-702 ANTENNA MIXER TANK FOR TN-3A/APR-1 TUNING UNIT FREQ. 300 TO 1000 MHZ. WITH VARIABLE CAPACITOR AND COIL SIZE: 2 1/2x3 1/2x3 1/2 WT: 3 LBS. PRICE: UNUSED \$6.95

LC-701 OSCILLATOR TANK FOR TN-3A. WITH VARIABLE CAPACITOR AND COIL. SIZE: 4 1/2x4 WT: 4 LBS. UNUSED \$8.95

Capacitors listed below are receiver style approx 500 volt spacing. 3x1 1/2x1 1/2 3 gang, each 15-280mmf #350ZLDD unused \$4.95

3 gang, 2/25-460, 25-180 mmf, 1/2 in shaft 1 1/8 in lg #9776 unused \$4.75

3 gang, 15-365mmf each short 3/8 shaft. W/1.2in in adapter. #906836 unused \$4.50

3 gang, 20-360, 20-280, 20-110. 2 speed drive, 1/2 & 1/8 in dia shaft. #33V021H01 \$2.75

2 gang 25-460, 35-200mmf 3/8 in shaft, 1/2 in long 2 1/2x1 1/2x2 #221657 \$2.00

MICROWAVE COUPLERS

DIRECTIONAL COUPLERS from 1.7-2.4 Ghz transmitter.

#2CPR/TRC29 Double coupler, DC signal output for power meter and 40 db RF for wavemeter; 3 type C connections, one LN21 diode connector for DC. 4 1/2x2 1/2x1 1/2 \$8

#3CPR/TRC29 TRIPLE COUPLER which fed P-A. 36 db and 65 db RF outputs; DC output for P-A meter. 4 "C" connections and one LN21 connector. 5 1/2x2 1/2x1 1/2 \$9.95

#2SLT/TRC29 2-SLUG TUNER, provides isolation, coupling, and impedance matching between 50 ohm klystron output and P-A input. Two slug adjust. 10x1 1/2x1 1/2. UG-573 C-conn. Used, \$1.25 UG-636 adapts C - BNC 2.50

AM & FM TUNERS

AM FREQUENCY 550 - 1600 KC FM FREQUENCY 88 - 108 MC UNITS HAVE NOT BEEN USED

F.M. TUNER WITH 1/120T8 TUBE & DIAL. SIZE 3x2x1 URC#462 \$3.95

A.M. & F.M. TUNER SAME AS ABOVE URC#2H02 \$4.95

SPIRAL INDUCTO TUNER

60-90MHZ W/50PF PARALLEL 3 SEC. SILVER PL. 4 1/2 TURNS. 3x1 1/2x1 1/2 #37695 RE-MOVED \$5.95

LC-702 ANTENNA MIXER TANK FOR TN-3A/APR-1 TUNING UNIT FREQ. 300 TO 1000 MHZ. WITH VARIABLE CAPACITOR AND COIL SIZE: 2 1/2x3 1/2x3 1/2 WT: 3 LBS. PRICE: UNUSED \$6.95

LC-701 OSCILLATOR TANK FOR TN-3A. WITH VARIABLE CAPACITOR AND COIL. SIZE: 4 1/2x4 WT: 4 LBS. UNUSED \$8.95

Capacitors listed below are receiver style approx 500 volt spacing. 3x1 1/2x1 1/2 3 gang, each 15-280mmf #350ZLDD unused \$4.95

3 gang, 2/25-460, 25-180 mmf, 1/2 in shaft 1 1/8 in lg #9776 unused \$4.75

3 gang, 15-365mmf each short 3/8 shaft. W/1.2in in adapter. #906836 unused \$4.50

3 gang, 20-360, 20-280, 20-110. 2 speed drive, 1/2 & 1/8 in dia shaft. #33V021H01 \$2.75

2 gang 25-460, 35-200mmf 3/8 in shaft, 1/2 in long 2 1/2x1 1/2x2 #221657 \$2.00

Capacitors listed below are receiver style approx 500 volt spacing. 3x1 1/2x1 1/2 3 gang, each 15-280mmf #350ZLDD unused \$4.95

3 gang, 2/25-460, 25-180 mmf, 1/2 in shaft 1 1/8 in lg #9776 unused \$4.75

3 gang, 15-365mmf each short 3/8 shaft. W/1.2in in adapter. #906836 unused \$4.50

3 gang, 20-360, 20-280, 20-110. 2 speed drive, 1/2 & 1/8 in dia shaft. #33V021H01 \$2.75

2 gang 25-460, 35-200mmf 3/8 in shaft, 1/2 in long 2 1/2x1 1/2x2 #221657 \$2.00

Capacitors listed below are receiver style approx 500 volt spacing. 3x1 1/2x1 1/2 3 gang, each 15-280mmf #350ZLDD unused \$4.95

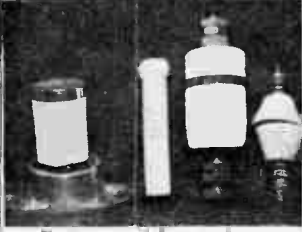
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3 gang, 15-365mmf each short 3/8 shaft. W/1.2in in adapter. #906836 unused \$4.50

3 gang, 20-360, 20-280, 20-110. 2 speed drive, 1/2 & 1/8 in dia shaft. #33V021H01 \$2.75

2 gang 25-460, 35-200mmf 3/8 in shaft, 1/2 in long 2 1/2x1 1/2x2 #221657 \$2.00

INSULATORS



STAND-OFF, CROWS FOOT, 7" Hx1 1/2" D. CAST BASE, 2 1/2" CTRS. TOP CAST W/3/16"-20 SCREW #5970-405-8992 \$4.00
SIMILAR, ABOVE 3" 3.00
" 10" 7.00

FEED-THRU INSULATOR (Fig 2) 1/2" HOLE 7/8" DIA. W/NECK 3" LONG 30¢ 5" LONG 40¢ 6" LONG 50¢ 8" LONG 60¢ STOCK NO. 1014-(LENGTH) SAME AS ABOVE OVAL TWIN-

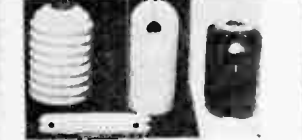
PORCELAIN STAND-OFF INSULATORS, SCREW THREADED. #P-4H-.75D, 8-24 THRD, \$.50 #P-5H-.75D, 8-24 THRD, .65 #P-6.75H-10, 10-24 THRD, .65

STK.#INS.#1015; FEED-THRU BRASS BOLT 6 1/2" LONG x 1/2" W/NUTS, SPLIT INSULATOR FOR 3/4" THICK MOUNTING WITH CORK WASHERS, OVERALL LGTH 3 1/2"x2, WT: 2LB. \$2.50

STK.#3G584 IN-84 FEED-THRU CONICAL SHAPE, 5" LG. D/A; 2 CONICAL SHAPED 1-1/8 LG. X 1 1/2" DIA. AT BOTTOM, 1" AT TOP, 1/4" DIA. ROD WITH 1/4 20 THREAD WITH NUTS/WASHERS 1/2 LB. 25¢ EA. 5 FOR \$1.00

GLASS-BONDED MICALEX STRIPS 10"x1 1/2"x5/8"Th. Five holes .2" dia. #3G110-160, \$1.50

GE #K7102768P1, same as above, 7-3/8"x3 1/2"x3/8"Th. Ten holes, \$3.00 ea.



INSULATOR THREADED BRASS EACH END FOR 1/4" SCREW. #CLASS 16U-2 1/2"x1 1/2" \$2. #16U-3 1/2"x2 1/2" \$3.

INSULATOR STANDOFF FEED-THRU, THREADED ONE END; 3/8" HOLE. ACE-3"Hx1 1/2" \$1.

SPREADER INSULATORS
No. SIZE HOLE PRICE
IN-88 2 1/2"x1 1/2" 1/16 25¢
CSJ-61192 4 1/2"x3/16 35¢
498-3827 1 1/2"x3/16 25¢

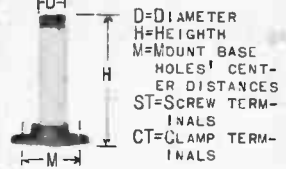
STRAIN INSULATOR
BROWN 2 1/2"x 1 1/2" HOLES EA END, OPPOSITE SIDES.#3G100
PRICES: 79¢ EA. 4 FOR \$3.
Box of 200 \$125.00

ART-13 TRANSMITTER ANTENNA INSULATOR PANEL; WITH 3 1/2"x4 OBLONG INSULATOR WITH TWO SPRING-TYPE BINDING POSTS. ALSO A 2"x1 AND A 2 1/2"x1 CONICAL INSULATORS WITH PUSH-TYPE BINDING POSTS. WT: 1 LB. COMPLETE ASSY. USED \$1.00

STAND-OFF INSULATOR H-1 1/2, B-1 1/2, A-1, 1/4" BOLT REQ. 1 1/2" MTG HOLE #PP-1048 NO HARDWARE 3 FOR \$1.00

STAND-OFF'S

STAND-OFF INSULATORS CROWS FOOT TYPE. BRASS AND PLATED BRASS BASES AND TERMINALS.



#B-H3-D1.25-ST3, BROWN CERAMIC; M=2.25", TERM. CAP SIZE: 7/8x1-5/8" DIA. SHPG. WT: 2 LBS. \$2.75
#B-H4-D1.25-ST2, WHITE; M=2.25". TERM CAP: 1x1-5/8" DIA. 3 LBS. \$3.25
#W-H5-D1-25, WHITE; M=2.25". TERM CAP: 3/8x1 1/2" DIA. 3 LBS. \$3.75
#W-H5-D1.25-ST, WHITE; M=2.25". TERM CAP: 1x1-5/8" DIA. 3 LBS. \$4.00
#B-H5-D1.25-CT, WHITE; M=2.25". TERM CAP: 1x1-5/8" DIA. 3 LBS. \$4.25
#B-H6-D1.25-ST2, BLACK PAINT ON BRASS; M=2.625" DIA. 3 LBS. \$4.25
#W-H6-D1.75-NTTH, WHITE; M=3.75". NO TERM CAP; THREADED. 5 LBS. \$4.50
#B-H7-D1.25-ST, BROWN; M=2.25". TERM CAP: 5/8x1-5/8 SHPG. WT: 3 LBS. \$4.75
#W-H8-D1.75-NTTH, WHITE; M=3.75". NO TERM CAP; THREADED. 6 LBS. \$5.25

FLEXIBLE COUPLING

Insulated flexible coupling 1" x 1/2" for 1/4" dia shaft. #COUN003 35¢ ea.

CERAMIC COUPLING, 2x3 for 1/2" dia shaft. #COUN006 59¢ 2/\$1.

#COUN007; 1-5/8" dia. x 1/2" for 1/2" dia. shaft. 39¢
#COUN008; 2-5/8" dia. x 2, for 3/8" dia shaft. 79¢ ea.

MORE --- DOLLAR DAZE

TOGGLE SWITCHES, SPST out-offs, 5/\$1.00

FUSE SWITCHES, SPST norm-open, 5/\$1.00

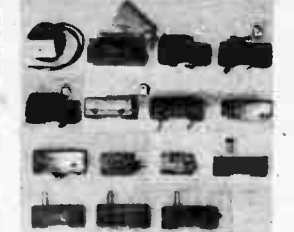
SLIDE SWITCHES, 2PDT and SPDT, 5/\$1.00

SPST ROCKER DIP SWITCHES FOR PC board use. Can be soldered or fit in socket. Grayhill mfg. NEW #763B04, 4 sw, \$.75; 5/\$3. #76PSB08, 8 sw piano-style, \$1.25 each or 4/\$4.00

3 DIGIT COUNTER, VEEDER MFG. 1/2" DIA. GEAR SHAFT; 1/2" DIA. EXTERIOR SHAFT CAN BE GROUND TO 1/2". OVER-UNDER MOUNTING. 2x1 1/2"x4 1/2"; BC-1323 COUNTER \$1.00

SELECTOR SWITCH 15 BUTTON, MAKE ONE BREAK ONE, RELAY RELEASES ALL BUTTONS WHEN ACTIVATED, 115 VAC OR 24VDC SIZE: 12 1/2"x7 1/2"x2; WT: 7 LBS. URC#1524115 NEW \$3.95

MICRO SWITCHES



SPST, R-RL2, NORMALLY CLOSED ROLLER LEVER ASSEMBLY, 15 A 125/250v. 2x2x5/8 \$1.50

SPDT; 3Z-3R244T4; ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. PIN PLUNGER; 2x1x1 1/2x5/8". .30

SPST; WHBT349A-1, NORMALLY OPEN. LEVER PLUNGER. 2"x1"x5/8". .30

SPDT; BZ-2R; ONE SIDE NORMALLY, OTHER CLOSED; PUSH PLUNGER ASSY. W/MOUNT. 2x1x1 1/2. .50

HR07-1P SPST NORMALLY OPEN, 115 V 10 A. 3/8" PLUNGER. \$1.75

DPDT; MS25008, ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. EXTENDED BUTTON PLUNGER. 2 1/2"x2"x1" \$1.50

DXGB-5 SP NORMALLY OPEN, MOUNTED IN HEAVY FRAME. 1/2" PLUNGER 2 1/2"x2 1/2" \$1.00

SPDT; WHBT349B-1; ONE SIDE NORM. OPEN, OTHER CLOSED. LEVER PLUNGER 2x1x1 1/2. .30

SPST; MU SWITCH TYPE D; 3 SPLIT DIE CAST ENCLOSURE #1/8" TAP CONDUIT HUB; 17/8.5A 125/250v. PUSH PLUNGER; 2 1/2"x2x1 .75

WZ2RW80-D5 SP NORMALLY CLOSED 3" LEVER-- 2x3/4 SW. 60¢

SPST; 2MC3-1A, NORMALLY CLOSED. PIN PLUNGER. 1 1/2"x1 1/2"x1 1/2". .45

SPST; SW-186, NORMALLY CLOSED. EXTENDED PIN PLUNGER. 2"x1 1/2"x5/8". .25

SPST; G-RS, NORMALLY OPEN. EXTENDED PIN PLUNGER. 2"x1 1/2"x5/8". .40

SPST; M07-102T, NORMALLY OPEN. EXTENDED PIN PLUNGER. 2"x1 1/2"x5/8". .40

SPST; WZ-RS9, NORMALLY CLOSED. EXTENDED PIN PLUNGER. 2"x1 1/2"x5/8". .40

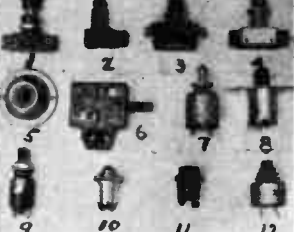
V3 MICRO-TYPE 10 A. 125/230 A.C. SIZE 9/16x1x3/8 V3-21 SPST NORMALLY CLOSED. V3-23 SPST " OPEN V3-1 SPDT 1/s NO 1/s NC V3-21 & 23 3/5" V3-1 50¢

E4-78 MIMTURE ELECTRO SNAP 3/8x3/4x1/4 40¢

YZ-3RLTC SPST NO 15 A. AC. LEVER TYPE 1/2x2x5/8 40¢

2-CONDUCTOR appliance cord, 6 ft, molded plug, tinned ends. Blk or White, 2/\$1. 3-COND. GROUNDED equipment cord, 8' #18 wire. Molded plug; grey. #SK-2CG \$1.25 ANTIQUE brown CLOTH-COVERED 2-conductor cord for old electrical equipment; 6 feet. #CC-2C unused \$1.50

PUSH SWITCHES



FOUR SPST N.O. PUSH-BUTTONS ON 3"x3" CHROMIUM PLATE. TWO COMMONS; TWO BUTTONS PER COMMON. USED. #PSW4-2C, 85¢

SPST NORMALLY OPEN; 3A/250. FSW002 .35 DPST NORMALLY OPEN; 1A/250. PSM004 .35

MICRO-SW. SPDT, 1/2" RED BUTTON, 15 A.A.C MTG. HOLES 1 1/2" CENT. 2x1x1 #71BP2 \$2.00

JPST INTERLOCK, NORMALLY OPEN. (3Z9825/254) PSM006 .35

SPST PULL SWITCH, NORMALLY OPEN. PSM007 .35 SPST NORMALLY CLOSED; CASING AS GROUND; 1/4" SCREWS REQUIRED FOR MOUNT. PSM008 .35

SPST, NORMALLY OPEN PSM010 .35

SPST, PUSH-LEVER SWITCH, 115 VAC 20 AMP; SILVER CONTACTS. P/D I-199 #I-199-S67 .65

SPST, NORM. OPEN, FITS 5/8" HOLE. J-3-PB .39

FOOT SWITCH

DUAL FOOT PEDAL SWITCH, 20 amp norm. open. Depress pedal to make; release to break. With 7' 3-cond. heavy cord. 4x4 1/2 x1 1/2, 4 lbs. #LR-FP, \$6.95

FIVE-PUSH SWITCH 2PST NORM. O.L. IPST NORM. OP. IPDT. 5x3x1 #PSW5022 \$1.00

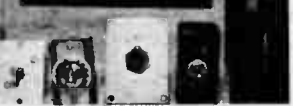
SWITCHES

MINIATURE SWITCHES, all new. Black: blk. White: wh.

DPDT on-on, blk. or wh button (a); C&K #8221, 65¢
SPDT on-off-on, wh. toggle (b); Alco #MLD106B, 75¢
DPDT on-on, blk. toggle (b) C&K #U21, 65¢
SPDT on-on, blk. rocker (c) JBT #MR2-123, 65¢
SPDT on-on, wh. rocker (d); C&K #7101, 60¢
SPST red or wh. tog. (e), not mini. #CH8381K22 60¢
SPDT mini-toggle, baton throw; on-on. #7101T 65¢

DPDT one side mom. (f) toggle; Alco #CST-023TA, 2/\$1 SPDT n.o./n.c., push button (g); Licon #76-2450, 2/\$1 DPDT on-on slide (h), 6/\$1. DPST sub-mini slide switch; Chicago EIA 50, 5/\$1. Interlock switch (i); 10 A. Cherry #E69-30A, 2/\$1.

SWITCHES



AIRCRAFT TYPE SWITCH TWO HOLE MOUNTING FIG. #1

CIR. CON. RATING NO. PR
SPST NEW 5/125 B-15 .65
ABOVE MOMENTARY N/CLOSED
SPDT REM 5/125 B-9A .50
(above center-off)
SPDT NEW 1 1/2, 125 B-1B .30

SPDT REM 5/125 B-7A .55
(CENTER OFF, MOM ONE SIDE)

TOGGLE SWITCHES

TOGGLE SWITCHES SINGLE HOLE MOUNTINGS. CONDITION NEW & "REM" REMOVED FROM EQUIPMENT, ALL GUARANTEED.

CIR. CON. RATING NO. PR
SPST REM 8/125 88T7K2 .35
(ABOVE SWITCH MOMENTARY)
SPST REM 6/125 SW-105N .30

SPDT REM 8/125 ST-13D .25
("ON" BOTH SIDES)
DPST REM 3/125 7463954 .25
DPST REM 10/125 ST-52K .40
DPDT REM 3/125 SW125 .30
DPDT REM 5/125 ST-22R .35
3PST NEW 15/125 SW3115 1.00
4PST REM 15/125 7661K5 1.00

TEN PUSH SWITCH STRIP EACH D.P.D.T. INDIVIDUAL HOLD OR COLLECTIVE OR RELEASE. NEW 12x4x3/4; NO.4C5231 \$2.25

ROCKER SWITCHES
0319 SPST
39¢ 3 FOR \$1.00

0348 DPDT
59¢ 2 FOR \$1.00

0320 SPDT MOMENTARY BOTH SIDES. 65¢ EA. 2 FOR \$1.20

0347 DPDT MOMENTARY BOTH SIDES. 80¢ EA. 2 FOR \$1.50

PUSH BUTTON SELECTOR
WHITE BUTTONS, 1 THRU 4 SEPARATE CONTACTS, 5, 6, 7 MAKE 2, 3, 4 RESPECTIVELY W/COMMON. RED BUTTON RELEASES ALL. RATED @ 120/240VAC 8/ SIZE: 4 1/2"x1 1/2"x2 1/2; WT: 2 LBS. GE#SP8128-417 UNUSED \$3.75

LEVER SWITCHES
4PDT ONE SIDE 2PDT OTHER SIDE, BOTH SIDES MOM.# 1155 NEW \$2.00

TV-2 tube test P1 lever sw; make 2-break 2. Removed \$2.

2PDT ONE SIDE, OTHER 2 MAKE, P/O EE-2, USED \$1.00

8PDT & 4MAKE MOM. ONE SIDE OTHER SIDE ONE BREAK HOLD. CENTER OFF. SW-1323 USED \$1.

4PST EA. SIDE NORM. OPEN & HOLD, CTR. OFF 3Z9818-9.1 N32.

2PDT ea. side of switch, no center off. SW#649-31 \$2

PUSH TYPE IP, NC/IP NO/ 2/ SPDT SINGLE HOLE MTG. WE#168173 UNUSED \$2.00
4PDT HOLD BOTH SIDES, CTR OFF, SINGLE HOLE OR 4SCREW MTG. SWITCHCRAFT 4PDT N \$2
2PST ONE SIDE ONLY HOLD, CTR OFF, ONE HOLE MTG. SWITCHCRAFT 513148 NEW \$1

EQUIPMENT BLOWERS



FASCO BLOWER, 200 CFM, 115 VAC 60 Hz. 2.2 amp. @ 3200 RPM. 4 1/2" dia. inlet; outlet 3 1/2". Flange mounting 4 1/2" x 4 1/2". O/A 8x8x8; 12 lbs. sh. #60755-J448, used, \$3.00 ADAPTER for 2 1/2" dia. inlets, \$3.00

TRC-29 XMITTER BLOWER, 200 CFM, 115 VAC 60 Hz 1.2 amps @ 3300 RPM. 4-5/8" dia inlet; outlet 2 1/2". Motor mount. With 10 mfd capacitor. Overall: 8x9x8, 12 lbs. Used \$14.95



TORRINGTON BLOWER, 200 CFM 220 V 3000 RPM (100 CFM 115 VAC 1500 RPM). 4" dia intake; 2 1/2 x 3/4" outlet mtg 4" dia. O/A 7x7x7 1/2", 10 lb Torrington #A13980, unused \$18.95

EASTERN AIR TWO SPEED BLOWER, 2800/3200 RPM capacitor-start motor 1/40 HP 0.38 amp 115/230 VAC 50/60 Hz. Mounted on base w/4 mfd capacitor, terminal strips. Approx 150 CFM. Intake 3" dia, outlet 1 1/2". O/A 8 1/2 x 11 x 6 1/2, 14 lbs sh wt. EAD#B747M1-C, used, \$12.95

FASCO DUAL BLOWER 50 C.F.M. 115 VAC 60 Hz 0.74 amp @ 2800 RPM. Outlets 2x1-5/8". One outlet is parallel to mounting base; other is at 90°, but can be modified as shown in picture. Inlets 2 1/2" dia. Overall 7 1/2 x 6 x 5 1/2, 12 lbs sh. Fasco type 21, #1273217, unused, \$10.00

ORDANANCE BLOWER 6 VOLTS DC, approx 150 CFM with turbine-type impeller. Intake 3", outlet 1" dia. Overall size: 6 1/2 x 6 1/2 x 4, 7 lbs sh wt. ORD#C486392, unused, \$7.95

HEINZE DUAL BLOWER 120 C.F.M. 115 VAC 60 Hz, 3000 RPM 0.6 amps. Inlet 2 1/2" dia, outlet 2" dia. O/A 8 1/2 x 6 x 6, 13 lbs sh. Heinze #D60362752, used, \$8.95

5-BLADE 7" DIA FAN in 7 1/2" dia X 6" h housing; 115 VAC 60 Hz. Can probably be adapted to duct fan. With 2 mfd capacitor; 9 lbs sh. #14-20/5B-DF, used, \$14.95

4-BLADE 6" DIA FAN in conical 7 1/2" to 5-3/8" dia X 7" high housing; 115 VAC 60 Hz. Adapt to use as duct fan. 8 lbs sh. #3M/4B-DF, used, \$9.95

FAN-TYPE BLOWER, 115 VAC 60 Hz 20 watts; 4" plastic fan blades. Open frame low-noise motor in metal casement-type frame. Approximately 100 CFM. 13x5x2, 5 lbs sh. Howard #1075-3102, used, \$4.50

HEATSINKS

9x4x1 1/8" ALUMINUM. DRILLED FOR 3/16-3 #31941 UNUSED \$2.75
12x4x1 1/8" ALUMINUM. DRILLED FOR 4/16-3. #4T1241 UNUSED \$3.35

BLACK TAB MTG HEATSINK WITH 2/2N3055 OR EQUAL W/HDW R INSULATOR RESISTORS 4 1/2 x 1 1/8 x 2 1/4 (4 7/8) TOTAL #HSW/2T REMOVED \$2.00

#HSW/1T, SIMILAR TO ABOVE BUT WITH ONE TRANS. SIZE: 3-7/8x2-7/8x1-1/8. \$.85 EA. 4 FOR \$3.
#THS, SIMILAR TO ABOVE; NO TRANS., 2 FOR \$1.
#DMS, SAME AS ABOVE, ANODIZED DRILLED FOR DU-4 DIODES. 3-7/8x2 1/2 x 1-1/8, 2 FOR \$1.00

DUAL TO-36 HEATSINK, 3x3 1/2 x 1-3/8; flange mounting. #HST036, \$.75 each or 3 for \$1.00
#3D523-8 HEATSINK, 5x3x1-9/16; drilled for 3 large stud rectifiers (1" dia recesses), \$2.

#2D734 HEATSINK, 7x4 1/2 x 2 1/2, drilled with two 25/32" dia. holes. 3 lbs sh. Unused, \$3.50

SERIES 680 HEATSINKS, 1 1/2" sq. NEW #1.00-5-5, 1" high with 0.33" dia. hole for rectifier, 85¢ ea.
#75A-16-1, 0.75" high for TO-3 transistor, 75¢ ea.

COMPACT AXIAL FANS



AXIAL FANS, 4 1/2" square X 1 1/2" thick; 115 VAC 60 Hz. Removed from equipment; guaranteed. ROTRON WHISPER fan, 3-blade; 7 watt. \$10.95

Howard CYCLOHM, 5-blade; metal housing. 50/60 Hz 21/18 watts. #SPN3-15-3450, \$9.95
DMC BOXER FAN, 220/240 VAC 50/60 Hz 0.1 amp; 5-blade in metal housing, \$11.95
ROTRON BT2A-1 DISCUIT fan, right angle 1"x2" out-take; 115 VAC 50/60 Hz 16 watts, \$12.95

SPRITE FAN

ROTRON MODEL SU2A3

Small 3-1/8x3-1/8x1-5/8 size. Seven blade plastic fan in die cast housing. 115 VAC 60 Hz. 2 lbs. sh. NEW, \$12.95



FIVE BLADE COOLING FAN, 4-5/8" dia. rotational no enclosure. Mounting bracket hole centers 5-7/8" apart. 115 VAC 60 Hz. 2 lbs. sh. Airtrol #11-2100, NEW, \$4.95

OPEN FRAME COOLING FANS, 115 VAC 60 Hz; metal or nylon blades. Removed from equipment.

#3M-35, 3 1/2" blade rotation, \$2.50
#NCR-50, 5" blade rotation, \$6.50

HEATSINK ASSEMBLIES



LARGE HEATSINK BANK consisting of five 1 1/2" L x 5" W x 1" Th heatsinks and 19 transistors similar to 2N3055's. Assembly originally part of 4 V. 75 amp power supply. Use as-is or dismantle for parts. O/A 13 1/2 x 5 1/2, 12 lbs sh. Removed f/equip. #HSB4-75, \$16.95

#75-4-2400 SERIES 400 HEATSINK with two 1 1/2" dia. power rectifiers at least 100 PIV 100 amp each. Size: 5x5x6 w/1-5/8 fins. 8 lbs. sh. Removed, \$15.

#75-4-400S SERIES 400 HEATSINK with 7/8" dia. SCR at least 100 PIV 100 amps. Size: 5x5x4, 4 lbs. sh. Removed, \$5.95

CROWBAR OVP

SCR CROWBAR CIRCUIT, consists of 40RC55 SCR rated 1; 63 A 50 V-max. mounted with thermal switch and two resistors. Potted assembly has trigger voltage adjust 4-7 V. Use with 5 V supplies for overvoltage protection or modify for other uses. #CRBR-40, NEW, \$4.95

MILITARY TEST SETS

AN/TRM-3 SWEEP GEN. 15-400 Mhz AM-FM, \$295.
AN/UPM-99 IFF. TRANSPONDER TEST SET, \$295.00
AN/URM-76 TEST METER for AN/ARC-34, \$50.00
FR-4/URM-79 FREQ. METER, 100 Khz-20 Mhz, \$75.
FR-5/URM-80 FREQ. METER, 10-500 Mhz, \$75.00
FR-6/URM-81 FREQ. METER, 100-500 Mhz, \$85.00
FR-38/USM-26 COUNTER, like HP524B, exc-\$135.
IM-36B/URM-106 RI-FI SET, 14-250 Khz, WRITE
SQ-299 SQUARE WAVE GENERATOR, 1 Hz-1 Mhz, \$45
FR-114/TSM-16 FREQUENCY METER w/6-NIIE tube readout, 20 Hz-1 Mhz; 70 lbs sh. \$75.00
AN/PDR-54 RADIAC SET, detects and measures alpha radiation, 0-100K counts/min., \$45.00

SG-321 LOW FREQUENCY FUNCTION GENERATOR, .008 to 1200 Hz square, triangular, or sine wave in five multiplier ranges. Max. output 33 V p-p. Synchron. pulse 2.5 V peak to peak. 5 u-sec. internal impedance 40 ohms. Output balanced or single-ended; 19 tubes. Requires 115/230 VAC 50-400 Hz. 12x19x14 1/2, 65 lbs sh. Unused, \$85.00

HEWLETT-PACKARD

HEWLETT-PACKARD TEST METERS, used-complete; add \$30 for "checked" price. Manuals, \$7.50 each when purchased with a meter.

HP-400D VTVM, 0.0001 to 300 V-rms in twelve ranges; -50 to +60 db. 10 Hz-4 Mhz response. 23 lbs sh. Reparable, \$65.00
HP-400DR, same as above, except rackmount; 30 lbs. \$60.
HP-400HR, similar to "DR" but twice as accurate plus a 5" mirrored scale; 30 lbs. \$75.



HP-410B VTVM features 20 Hz to 700 Mhz response for 1 to 300 V-rms in 6 ranges, to 1000 VDC in seven ranges; also ohm scales X1 thru X1M. With HF AC probe. 15 lbs sh wt. Reparable, \$79.50

HP-411AR RF MILLIVOLTER, 3 mv to 10 V over 500 Khz to 1 Ghz range. Rackmount; 22 lbs sh wt. Reparable, \$100.00

HP-412AR DC VOLTMETER, 1 mv to 1000 VDC in 13 ranges. Also 1 microamp to 1 amp and 1 ohm to 100 megohms. 1/2 design accuracy. Has mirrored scale; rackmount. 25 lbs sh. \$100.00

HP-413AR DC NULL VOLTMETER, has thirteen zero-centered ranges from 1 mv to 1000 VDC plus expanded scale. Rackmount; 18 lbs. \$75.

HP-425AR DC MICROVOLT-AMMETER, 1 uv to 1 V and 1 p-amp to 3 ma; 28 lbs. Checked, \$160.

HP-430C MICROWAVE POWER METER designed for frequencies up to 40 Ghz and as low as 10 Mhz when used with proper thermister mount. Power readings from 0.1 to 10 W; -20 to +10 db. See 4/77 Ham Radio for amateur usage. 21 lbs sh. Used, no thermister mt., \$45.00
HP-430C with HP-477B 10 Mhz to 10 Ghz thermister mount, reparable, \$100.00



HP-3440 DIGITAL VOLT-METER with HP-3445 AC/DC plug-in; 0.001 to 999.9 VAC and VDC. 10 megohm impedance; manual, auto, remote ranges. 25 lbs sh. \$180.00

HP-212A PULSE GENERATOR, 0.07-10 usec, \$50.
HP-302A WAVE ANALYZER, 20 Hz-50 Khz; high selectivity and sensitivity, 10 Hz resolution. 30 uv-300 Vrms and 75 db range. \$325.
HP-500ER FREQUENCY METER, 3 Hz-100 Khz, \$45.
HP-608ER SIGNAL GENERATOR, 10-480 Khz AM, 0.1 uv-1 volt output; rackmount, \$995.00
HP-650A TEST OSCILLATOR, 10 Hz-10 Khz; 30 uv to 3 volts, 600 ohms input, \$115.00
HP-685A SWEEP OSCILLATOR, 5.2-8.5 Ghz, \$200.

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TEST EQUIPMENT QUANTITIES LIMITED

AD-YU 206A MICROWAVE PHASE and TIME DETECTOR, 1100-6000 Mhz with adapters and book, \$495.
BOONTON 160A Q METER, 50 Khz-75 Mhz, \$125.00
BOONTON 190A Q METER, 20-260 Mhz, \$235.00
BOONTON (HP) 8900B PEAK POWER CALIBRATOR, 50-2000 Mhz pulsed RF power, \$225.00
FLUKE 801 DC DIFFERENTIAL VOLTMETER, \$25.00
FLUKE 803B AC-DC DIFFERENTIAL VOLTMTR., \$100.
GENERAL RADIO 546C MICROVOLTER, \$65.00
R-740B CAPACITANCE TEST BRIDGE, \$95.00
R-716B CAPACITANCE BRIDGE, to 1.1 uf, \$115.
R-916A IMPEDANCE BRIDGE, 0.4-60 Mhz, \$125.
R-1390B NOISE GENERATOR, 5 Hz-5 Mhz, \$75.00
R-1551A AUDIO LEVEL METER, \$95.00
R-1564A SOUND and VIBRATION ANALYZER, \$145.
R-1605A IMPEDANCE COMPARTOR, 2-20M \$165.
R-1611A CAPACITANCE BRIDGE, to 1.1 uf, \$100.
R-1652A RESISTANCE LIMIT BRIDGE, \$145.00
R-1159 RECIPROCATING COUNTER, "as-is" WRITE
KROHN-HITE 3500 BANDPASS FILTER, solid-state. 200 Hz-200 Khz, with book, NEW, \$125.00
MEASUREMENTS 65B SIGNAL GENERATOR, 75 Khz to 30 Mhz in five ranges; 2.2 V output \$125.
NORTH ATLANTIC VM-301 PHASE ANGLE METER, 10 Hz-100 Khz; null detector sensitive, \$215.
RUBICON 2786 uV POTENTIOMETER, 0-1111.1 uv (.01 uv/step) & 11111.0 uv (0.1 uv), \$165.
TELONIC PD-9B SWEEP GENERATOR, 225-400 Mhz, metered for 40 watts, CW, 20 W RF, \$250.00

SIGNAL GENERATORS

HEWLETT-PACKARD 506A, 50 KHz to 60 Mhz AM in six bands. Output: 0.1 uv to 3 volts into 50 ohms, vernier and step controlled. Features constant output and modulation and low distortion.

10x19x13 $\frac{1}{2}$, 50 lbs sh. Used, checked, \$795.00

TS-418/URM-49, 400-1000 Mhz AM, CW, pulse. Output: 0.2 to 200K uv into 50 ohms. 12x17x13 $\frac{1}{2}$, 70 lbs sh. Used, repairable, \$175.00

TS-419/URM-64, 900-2100 Mhz CW and pulse $\frac{1}{2}$ 1 MW max. into 50 ohms. Repetition rate between 40 and 4000 pulse/sec. Delay: 3 to 300 u-sec. 14x17x11, 50 lbs sh. Used, repairable, \$165.

TS-403/URM-61, 1.8-4.2 Ghz CW, FM, pulse $\frac{1}{2}$ 1 MW into 50 ohms. Similar to HP-616B. 17x13x13 $\frac{1}{2}$, 65 lbs sh. Used, repairable, \$185.00



AUDIO OSCILLATOR

TS-382 AUDIO OSCILLATOR, 20 Hz to 20 KHz in four bands. Output: 0 to 10 volts across 1000 ohms. With built-in 60 and 400 Hz REED FREQUENCY METER. Size: 10x12x18 $\frac{1}{2}$, SHPG. WT: 50 LBS. NET: 45 LBS. PRICE: USED, REPARABLE, \$49.50. CHECKED, \$65.

TS-382F AUDIO OSCILLATOR, MOST RECENT VERSION OF TS-382. USED, REPARABLE, \$60. CHECKED, \$75. TRANSIT CASE F/TS-382F, USED, \$10.00.



50 TO 400 MHZ FM

SG-3/URM-70 FM SIGNAL GENERATOR, 50-400 Mhz in three bands. Internal modulation $\frac{1}{2}$ 1000, 1600, or 20000 Hz. External: 250 to 75 KHz. FM deviation: 0-15-75-150 KHz (50-100 Mhz), 0-30-150-300 KHz (100-200 Mhz), and 0-60-300-800 KHz (200-400 Mhz). Output: 0.1 to 100K u-volts, -25%. 50 ohm output. Power required: 115 VAC 60 Hz. 15x11x17 $\frac{1}{2}$; 80 lbs sh. Used, repairable, \$235.00. Checked, \$295. MANUAL, partial repro, \$10.



GENERAL RADIO VTVM

GENERAL RADIC 726A VACUUM TUBE VOLTMETER, the old GR-style in $\frac{1}{2}$ " thick walnut cabinet dating to late-1930's. Measures peak RMS voltages with full scale ranges 0-1.5-5-15-50-150 VAC. Input impedance: 5 megohms at audio frequencies; decreases at higher frequencies with 380 Mhz resonance when probe is used. Has tubes 1V and 6Q7 and schematic. requires 115 VAC 60 Hz. Size: 9x7x13 $\frac{1}{2}$; 21 lbs. sh. Used, repairable-less probe, \$27. w/probe, \$35



VOLTMETER-VLF RECEIVER

ME-71/FCC AUDIO LEVEL METER, COVERS 20 to 500 KHz CONTINUOUSLY TUNABLE. AS SELECTIVE DETECTOR, IT MEASURES RF CARRIER ACROSS A 135 OHM BALANCED OR 600 OHM UNBALANCED LINE. VARIABLE ATTENUATOR PROVIDES INPUT SENSITIVITIES FROM -70 TO -42 DBM INDICATED ON 3 $\frac{1}{2}$ " DIA. METER. INCLUDES 100 KHz CALIBRATOR. INPUT IMPEDANCE: 10K OHMS. AUDIO GAIN AND TWO PHONE JACKS. VARIOUS MODELS ("C" PICTURED). POWER REQUIRED: 115 VAC 60 Hz. 17x14x9; 40 LBS SH.

ME-71, w/NATIONAL-TYPE DIAL, USED, \$40.00
ME-71B, USED, REPARABLE, \$45. ME-71C, \$50. OPERATIONAL, ADD \$30. MANUAL, REPRO, \$8.50



DISTORTION ANALYZER

HEWLETT-PACKARD DISTORTION ANALYZER MODEL 3308F. WILL GIVE QUICK ACCURATE MEASUREMENTS OF DISTORTION AS LOW AS 0.1% AT ANY FREQ FROM 20 CPS TO 20,000 CPS IT WILL MAKE NOISE MEASUREMENTS OF VOLTAGES AS SMALL AS 100 MICROVOLTS. THE ANALYZER HAS HIGH SENSITIVITY AND HIGH STABILITY. ITS CIRCUIT 20 DB AMPLIFIER, OSCILLOSCOPE TERMINALS, AND PRECISION VACUUM TUBE VOLTMETER WHICH IS USEABLE SEPARATELY. EXCEPTIONALLY USEFUL FOR ALL KINDS OF AUDIO MEASUREMENTS IN RECORDING, BROADCAST, MOTION PICTURE, LABORATORY ETC. SIZE: 8x19x13 $\frac{1}{2}$ (RACK MOUNT); WT: SHPG. 40 LBS. PRICES: USED REPARABLE \$185. CHECKED \$225.

TS-723-C SPECTRUM ANALYZER, MILITARY VERSION OF HP-3308; USED, REP, \$165. CHECKED, \$210

FM SIGNAL GENERATOR

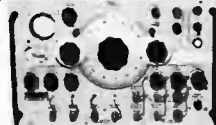
SG-12/URM- FM SIGNAL GENERATOR, 19.5 TO 102 Mhz FM IN FIVE BANDS WITH DEVIATION RANGES 0 TO 25, 50, AND 100 KHZ; 1000 HZ-MODULATION. ALSO IF OUTPUTS OF 1.4, 2.515, 2.65, 2.88, 4.3, 4.45, 5.0, 5.35, 15 Mhz, PLUS TWO SPARE POSITIONS. CALIBRATED OUTPUT VOLTAGES: 0.5 UV TO .01 VOLTS (RF); 0.5 UV TO 1.0 V (IF). OUTPUT IMPEDANCES: 10 OHMS (RF); 25 OHMS (IF). WITH 1 Mhz AND/OR 2 Mhz CRYSTAL CALIBRATOR MARKERS. POWER REQUIRED: 115/230 VAC 50-1000 Hz. SIZE: 12x18x12; SHPG WT: 85 LBS. USED, REPARABLE \$265 \$125; CHECKED \$285 \$185. MANUAL for SG-12, partial reproduction, \$12



FREQUENCY COMPARATOR

CM-212/USM-144 FREQUENCY COMPARATOR, USED WITH FREQ. COUNTERS TO DETERMINE WITH HIGH ACCURACY FREQUENCIES FROM 10 Mhz TO 12.4 GHZ. MEASURES CW, FM, AND PULSE MODULATED RF SIGNALS. AN UNKNOWN SIGNAL IS FED INTO THE USM-144 AND IS COMPARED TO A MIXED FREQ. GENERATED FROM A STABLE AND CONTINUOUSLY ADJUSTABLE FUNDAMENTAL FREQ. FROM 100 TO 220 Mhz. THE DIFFERENCE IN THE UNKNOWN IS SHOWN ON A 2" DIA. (ZBPI) SCOPE. FINAL DETERMINATION OF THE INPUT SIGNAL IS MADE BY THE ZERO BEAT OF THE FUNDAMENTAL FREQ. AND THE MULTIPLYING OF THAT VALUE BY THE APPROPRIATE HARMONIC. POWER REQUIRED: 115 VAC 50-440 Hz. SIZE: 19x13x13 $\frac{1}{2}$; SHPG. WT: 65 LBS. USED, REPARABLE, \$99.50

USM-144 MANUAL, PARTIAL REPRODUCTION, \$8.50



DIGITAL DC VOLTMETER

DIGITEK 251 DC DIGITAL VOLTMETER, uses RTL logic and four Nixie tube display (2/B5441 and 2/B5440). Has 10v, 100v, and 1000v push-button scales. However, original user tagged these meters, "Do not exceed 400 VDC." Units have calibrate and zero select and adjust, over-range neon indicator, and BCD data output board. Sampling rate adjustable 10/sec to one/2 sec; max. interrogation 10 samples/sec. Requires 115 VAC 60 Hz. 4x8x11 $\frac{1}{2}$; 15 lbs sh. Used, repairable with manual, \$45.00



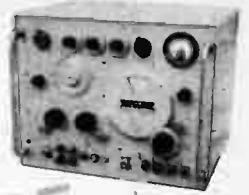
TS-505 VOLTMETER

TS-505/U VACUUM TUBE VOLTMETER with ranges 0 to 2.5, 5, 10, 25, 50, 100, 250, and 500 Vrms and VDC plus 100C VDC scale. Also X1 thru X1 Megohm ranges. AC scale is peak indicating. Frequency response: 30 Hz to 5 Mhz. With AC, DC, and ohm probes. Power required: 115 VAC 60 Hz. 9x9x6; 17 lbs. sh. Used, repairable, \$45. Checked, \$60.00;



3 TO 7.5 GHZ GENERATOR

SG-557/TS-621 SIGNAL GENERATOR, 3.8 to 7.5 Ghz; similar to Hewlett-Packard 618. Unit has internal FM, CW, pulsed or square-wave modulation. Pulse rate variable 40-4000 pps. Pulse width: 0.5 to 10 usec. Output: 1.0 MW into 50 ohms directly calibrated into microvolts and db. FM rate: 40-4000 Hz. External sine-wave sync: 40-4000 Hz, 5-50 Vrms amplitude. External pulse sync: 0-4000 pps, 5-50 V amplitude positive and negative; with 0.5 to 2500 usec. Has 29 tubes including 6236 klystron. Requires 105-125 VAC 50-1000 Hz. Size: 17x14x19 $\frac{1}{2}$, 110 lbs sh wt. Used, repairable with output, \$235.00 \$215. MANUAL f/SG-557/TS-621, partial repro., \$10.



0.1-10 GHZ FREQ. METER

TS-186/UP FREQUENCY METER measures frequencies from 100 Mhz to 10 Ghz using harmonics of a 50-1250 Mhz heterodyne oscillator. Zero beat dial readings are interpolated into frequencies via a calibration book. Zero beat indicated on an 0-1 milliammeter or a 600 ohm headphone jack. RF signal input must be from 500 MV to 1 V for proper use. With tubes 2C40, 855, 5Y3, 2/0D3, and 5/6SJ7. Power required: 115 VAC 50-1000 Hz. 9x10x20; 48 lbs. sh. Used, repairable \$60 \$75; Checked, \$85 \$110. MANUAL f/TS-186, partial reproduction, \$8.50



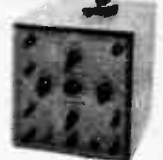
TRANSISTORIZED SCOPE

OS-106/USM 117 TRANSISTORIZED OSCILLOSCOPE DC to 5 Mhz bandwidth, 4QF2 rectangular CRT, and is very compact. Includes MX-2996 high gain vertical plug-in plus has dual-trace capabilities when used with MX-2995 plug-in (not available). Sweep range: 0.1 usec to 0.1 sec in 19 calibrated steps in 1, 2, 5, 10 sequence. Vertical sensitivity: 0.01 v/div to 20 v/div in 11 calibrated steps in 1, 2, 5, 10 sequence, variable to 50 v/div. Input impedance: 1 Mohm shunted by 47 pf. Calibrator generates 1 KHz square wave at either 0.04 or 0.4 V p-p. Probe and cover not available. Requires 115 VAC 50-60 Hz or 400 Hz. 8x9x14 $\frac{1}{2}$; 28 lbs. Used, repairable, \$185.00. Checked, \$285. MANUAL, repro, \$15 w/purchase.



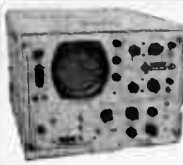
SCOPE ACCESSORY

TS-433B ELECTRONIC SWITCH, provides two independent time bases for an oscilloscope--allowing for the simultaneous display and comparison of two signals. Unit also functions as square wave generator and as a DC chopper amplifier. Expands the capabilities of AC-coupled scopes. Switching rate: 10-2000 times/sec continuously variable. Freq. response: 0-5000 Hz. Square wave generator range: 10-500 Hz with amplitude variable to 30 V p-p. Input impedance: 100K ohms. Output impd: 50K ohms. Max. signal output: 75 V. p-p. Requires 115/230 VAC 50-60 Hz. 10x8x13, 30 lbs sh. Used, repairable, \$28.95. MANUAL f/TS-433, partial reproduction, \$8.50



TS-34A/UP OSCILLOSCOPE with 2AFL CRT Bandwidth: 30 Hz to 1 Mhz. Rise time: 0.25 to 30K u-sec. Sweep adjustable in three ranges from 10 to 50,000 Hz. Input impedance: 82 ohms (low) or 420,000 ohms shunted by 12 pf (hi). Input sensitivity 0.1 to 1 V. $\frac{1}{2}$ low impedance. Requires 115 VAC 50-1000 Hz; 40 lbs sh. TS-34A/UP SCOPE, gov't-reconditioned, \$65.00

DUAL-TRACE PRICE-CUTS



AN/USM-140C OSCILLOSCOPE, DC TO 30 MHZ MAINFRAME, SIMILAR TO H-P 170A. INCLUDES MX-2930 DUAL-TRACE VERTICAL PLUG-IN WITH DC TO 22 MHZ PASSBAND. INPUT IMPEDANCE: 1 MEG-OHM SHUNTED BY 30 PF. INPUT SENSITIVITY: 0.02 VOLT/CM TO 20 V./CM. FUNCTIONS: CHANNEL

A, CHOPPED, A-B, AND ALTERNATE. HORIZONTAL MX-3078 PLUG-IN SWEEP RATE: 0.1 U-SEC/CM TO 5 SEC/CM. HORIZ. SENSITIVITY: 0.1 V/CM TO 10 V/CM. MAGNIFIER X1 TO X100 IN SEVEN STEPS. CALIBRATOR: 0.2 MV TO 100 V. IN NINE RANGES. POWER REQUIRED: 115/230 VAC 50-1000 HZ. SIZE: 14x19x22; SHPG. WT: 110 LBS. PRICE: USED, REPARABLE, \$195. CHECKED, \$295.

AN/USM-105A SCOPE WITH DUAL-TRACE PLUG-IN, SAME AS USM-140 EXCEPT DC TO 15 MHZ RESPONSE. PRICE: USED, REPARABLE \$135 CHECKED \$195.

OS-8 OSCILLOSCOPE

OS-8/U OSCILLOSCOPE WITH 3RPI CRT HIGHLY PORTABLE UNIT HAS DC TO 2 MHZ VERTICAL RESPONSE, DC TO 500 KHZ HORIZONTAL. VERTICAL AND HORIZONTAL SENSITIVITY: 0.075 V-RMS FOR 1" DEFLECTION. SWEEP RANGE: 3 TO 50 KHZ. INPUT IMPEDANCE: 9 MEGOHMS SHUNTED BY 11 MMF (DC). DIRECT ACCESS TO VERTICAL AND HORIZONTAL PLATES. POWER REQUIRED: 115 VAC 50-1000 HZ. SIZE: 9x6x13; SH WT: 20 LBS. PRICE: USED, REPARABLE, \$44.50; CHKD. \$69.50



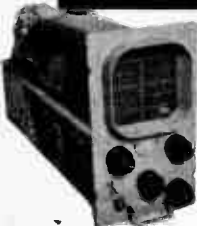
MANUAL for OS-8, partial reproduction, \$8.50

DUMONT 304 SCOPE



DUMONT 304H OSCILLOSCOPE has big 5" CRT (5CP1) DC TO 100 KHz response; usable to 300 KHz. 100 MV full scale vertical sensitivity. Sweep: 2-30 KHz. Max. sweep rate: 1" per u-sec. Input impedance: 2 megohms paralleled by 50 pf. Graticule not included. Power required: 115/230 VAC 50-60 Hz 9x13x19; 65 lbs. sh. Used, repairable, \$45. 304H SCOPE shipped with 5CP7 CRT, \$49.50 DUMONT 304A SCOPE, same as "H" model, but uses 5ADP1 flat-faced CRT. Used, rep., \$50. MANUAL for 304A or H, partial repro., \$8.50

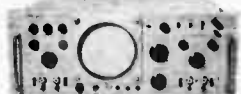
SCOPE FOUNDATION



TS 1273 OSCILLOSCOPE, originally the display unit for a radar test set, but appears to be a good foundation for a compact scope. Features a 3" sq. flat-face (4MP1) CRT. 50 Hz-6 Mhz response; 0.05 u-sec risetime. Input attenuation ranges: .05, .1, .2, .5, 1, 2, 5, 10, and

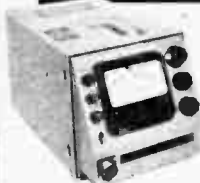
30 v/inch. Selectable input imped: 7 megohms (approx) or 75 ohms. Controls for vertical, horizontal, astig., focus, intensity, vert. attenuator, and impedance. With CRT shield, bezel, and tubes 4MP1, 2/1V2, 5/5814, 2/6B35. No sweep generator, horiz. amp, or blanking circuits. Requires 250 VDC deflection volts; +1500 and -1500 VDC high voltage originally supplied from internal oscillator type source. Schematic incld. 17x4x6; 12 lbs. sh. Used, w/all tubes, \$30. W/4MP1 only, \$25.

TEKTRONIX RM503 DC to 450 KHz; 1 u-s/cm to 5s/cm sweep calibrated, to 12 s/cm uncalibrated. Magnifier X2-5-10-20-50.



Sensitivity 1 mv/cm-20 v/cm calibrated; to 50 v/cm uncalibrated. Amplitude calibrator 500 mv and 5 mv p-p V square wave; 5" CRT. 115/230 VAC 50-800 Hz. 7x9x17, 38 lbs sh. Used, repairable, \$165.00; Checked, \$215.00

RADIATION INDICATOR



CP-95/PD RADIAC COMPUTER-INDICATOR, DESIGNED TO SHOW THE AMOUNT OF X- AND GAMMA RADIATION TO WHICH A DT-60/PD (NOT AVAILABLE OR SIMILAR SILVER-ACTIVATED PHOSPHOR GLASS RADIATION DETECTOR TUBE HAS BEEN EXPOSED. AN EXPOSED DETECTOR GLOWS ORANGE IN

THE CP-95'S 4 W ULTRAVIOLET LIGHT. THE INTENSITY OF THE LUMINESCENCE IS MEASURED BY A 931VA PHOTOMULTIPLIER TUBE. THE OUTPUT OF THIS TUBE IS THEN TRANSLATED INTO ROENTGENS AND IS SHOWN UPON A 0-200-600 ROENTGENS METER (SIZE: 4x4; FS-100 UA.) SET INCLUDES FRONT COVER AND TUBES 5726, 5814, 931VA, CK1039 (OR 6143), AND OA2. POWER REQUIRED: 115 VAC 60 HZ. SIZE: 9x9x17; SHPG. WT: 30 LBS. PRICE: UNUSED, \$27.95; MANUAL, \$5.00

PANORAMIC INDICATOR

IP-173 PANORAMIC SPECTRUM INDICATOR, SIMILAR TO SINGER SB-8T. DESIGNED TO SCAN AND ANALYZE RF SIGNALS TO IDENTIFY SIGNAL LEVEL, FREQUENCY, AND MODULATION. CAN BE USED TO DETERMINE CORRECT



DEVIATION RATIO OF FM TRANSMITTERS. USABLE UP TO 1000 MHZ; DISPLAYS UP TO 1000 KHZ SPECTRUM WIDTH. CENTER FREQ: 5 MHZ. BANDPASS: 4.5 TO 5.5 MHZ. IF TRANSFORMERS TUNED TO 1.5 MHZ; FM OSCILLATOR MEAN FREQ: 6.5 MHZ. INPUT IMPED: 50 OHMS. DIRECT SENSITIVITY: 100 UV FOR 1" DEFLECTION ON CRT @ 5 MHZ. SAW-TOOTHED SWEEP; RATE 1 HZ (NON-SYNCHED), 5, 30, AND 25 TO 35 HZ VARIABLE. HAS 5UP7 CRT. POWER REQUIRED: 2/6.3 VAC, 265 VDC, AND -1870 VDC. 12x22x20; 68 LBS SH. USED, REPARABLE, \$60.

IP-173 less cabinet; fits rack, used, \$45.00 MANUAL for IP-173, partial repro, \$8.50 115 VAC 60 HZ SUPPLY for IP-173, \$25 if purchased w/set. Interconnect cable sold out. CONSTANT VOLTAGE TRANSFORMER for IP-173 system, 95-130 VAC 60 Hz in; 115 VAC 60 Hz 120 watts out. #SOLA/IP-173, used, \$16 with set.

HIGH FREQUENCY VTVM

ME-180/USM-116 VACUUM TUBE VOLTMETER for volt measurements at frequencies up to 100 Mhz with probe and to 700 Mhz when used with coaxial T-connector accessory. Measures 0.01 to 300 V-rms in six ranges; 0.02 to 1000 VDC in seven ranges; 0.02 to 1000 MA-DC; and 0.2 to 1000 megohms. AC input impedance: 8 megohms (20 Hz); 80 kilohms shunted by 1.5 pf @ 50 Mhz. DC input imped: 100 megohms. Unit is electronically similar to HP-410B. With basic test leads and tubes 3/6AU6, 6X4, and 6923/EA52 in the AC probe. Requires 115 VAC 50-60 or 400 Hz. 7x8x12; 21 lbs sh wt. Used, repairable without accessories, \$55.00 Checked, w/o access. \$80.00; T-conn. \$10.00 MANUAL for USM-116, partial repro. \$8.50



FR-149 FREQUENCY METER



FR-149/USM-159 TRANSISTORIZED FREQUENCY METER, COVERS 125 KHz TO 1000 MHZ IN THREE RANGES: 125 KHZ-2.5 MHZ, 2.5-65 MHZ, AND 65-1000 MHZ. CAN BE USED AS A SIGNAL GENERATOR BY PROVIDING EITHER MODULATED OR UNMODULATED SIGNALS. FREQUENCY FUNDAMENTALS READ DIRECTLY FROM MAGNIFIED AND ILLUMINATED CALIBRATED FILM STRIP AND THEN INTERPOLATED IN ACCOMPANYING CALIBRATION BOOK. OPERATES FROM EITHER SIX "D" CELL BATTERIES OR FROM 115/230 VAC 50-450 HZ. SIZE: 11x11x13; SHPG. WT: 33 LBS. USED, REPARABLE. \$99.50 CHECKED, \$150.00

8500-9600 MHZ TEST SET

TS-148/UP SPECTRUM ANALYZER, 8470-9630 Mhz with 3" CRT (3BPI) display. Measures frequencies of cavities, echo boxes, magnetrons, and local oscillators. Receives CW and pulse; transmits CW and FM carrier. 1 MW power output (2K25). Max. spectra dispersion: 1.5 Mhz/in. Requires 115 VAC 60 Hz. 19x13x25, 45 lbs sh. Used, \$50.00



AN/UPM-33 TEST SET, includes TS-148/UP, wave guides, horn antenna, cables, transit case, and manual; 80 lbs sh. Used, \$85.00

FR-72 TUNED CAVITY for the 8500-9000 Mhz range. 0-30 u-ammeter indicates stored energy. With 1N-23B crystal diode, UG-446 waveguide to N connector adapter, and 8' coax. 16x26x14; 40 lbs sh. Unused, \$34.95

PHASE-TEST SCOPE



MK56 PHASE-TEST SCOPE essentially an OS-8 oscilloscope modified to check phasing of selsyns and synchros. Major changes are the addition of a phase tune 0-360° dial and enlarged case. Unit has 3RPI CRT DC to 2 Mhz vertical, and DC to 500 KHz horizontal response Sweep: 3 to 50 KHz. Input impedance: 9 megohms shunted by 11 pf. Schematic incld. Requires 115 VAC 50-1000 HZ. 9x9x17, 24 lbs sh. Used, repairable \$55.

ORION AC VTVM



ORION V-100M VACUUM TUBE VOLTMETER with 6" X 4 1/2" mirrored scale; similar to Hewlett-Packard 400H. Twelve full scale meter ranges from 0.001 to 300 VAC (rms) or -60 to +50 DB. Response 10 Hz to 4 Mhz. Input impedance 10 megohms shunted by 24 pf (.001-0.3 V) or 14 pf (1-300 VAC). Requires 115/230 VAC 50-1000 Hz. 11x7x11 1/2, 22 lbs sh. Used, repairable, \$45. Checked, \$75.

DATA TECH 3312-11



DIGITAL PANEL METER, 0-20 VDC 3 1/2 digits; Data Tech Model 3312-11. Accuracy: ±0.1% reading plus one count. Input impedance: 10 megohms. Has Sperry 7-segment 0.5" readouts.

Also auto polarity, overvoltage protection ±200 V. external control and BCD outputs. Uses standard TTL and linear IC's for easy repair. Manual and schematic included. 4" W x 1-7/8" H x 5 1/2" D. 3 lbs sh. Checked, \$39.50

AN/USM-50 OSCILLOSCOPE WITH 3ADP1 CATHODE RAY TUBE AND 15 MHZ BANDWIDTH, RISE TIME FROM 0.022 U-SEC TO 30,000 U-SEC. SWEEP TIME CONTINUOUSLY ADJUSTABLE FROM 0.17 TO 37,500 U-SEC WITH SWEEP DELAY THAT ALLOWS 10% OF SWEEP LENGTH TO BE EXPANDED 10 TIMES FOR SWEEPS GREATER THAN 5 U-SEC. TRIGGER PULSE FROM 10 TO 10,000 HZ WITH 0.15 U-SEC RISE TIME. TIMING MARKERS SYNCHED AT 0.2, 1, 5, 20, 100, 300 AND 2000 U-SEC. VERTICAL INPUT IMPEDANCE: 1 MEGOHM SHUNTED BY 40 UUF FOR ALL ATTENUATOR POSITIONS HORIZONTAL IMPED: 1 MEGOHM SHUNTED BY 30 UUF INPUT VOLTAGE: 0.03 TO 90 VOLTS PEAK INPUT SENSITIVITY: 10 MV/CM-RMS CALIBRATION: 1 KHz adjustable 20 TO 200 MV. EXTERNAL CONNECTIONS POSSIBLE TO BOTH THE VERTICAL PLATE AND THE HORIZONTAL AMPLIFIER. POWER REQUIRED: 115 VAC 50 TO 1000 HZ SIZE: 15x19x16; WT: 80 LBS. LESS PROBES PRICE: USED, REPARABLE \$75.00 USED, CHECKED \$100.00



TRANSISTORIZED SCOPE



HFE T4214A TRANSISTORIZED OSCILLOSCOPE; ENGLISH MANUFACTURED SCOPE USES PRINTED CIRCUIT CARDS FOR THE PRE-AMP, SIGNAL DEFLECTION AMP, TIME BASE, INTENSITY MOD, AND SWEEP AMP. PROVISIONS ALSO FOR SIGNAL DELAY, TRIGGER PICK-OFF, AND TRIGGER DELAY PC CARDS (NOT AVAILABLE). ESTIMATED FREQUENCY RESPONSE: 300 KHZ LIMITED BY DEFLECTION AMP. USES 5LCP11 CRT; SWEEP IS FROM TOP TO BOTTOM BUT CAN BE CHANGED TO LEFT TO RIGHT. INCLUDES CONTROLS: FOCUS, BRIGHTNESS, ASTIG., SIGNAL SHIFT, INPUT ATTENUATOR (0.1 to 10 V./DIV. IN 7-STEPS); TIME BASE (1 u-sec to 10 M-sec in 5-STEPS); MULTIPLIER X.5, X1, AND X2; TIME BASE SHIFT, TIME BASE DEFLECTION (EXT./INT); TRIGGER LEVEL; AND FREE RUN/SINGLE SHOT. SLIGHTLY BENT FRAME; LESS CASE AND POWER PLUG. POWER REQUIRED: 115 VAC 60 HZ OR 12 VDC 1 AMP. SIZE: 9x17x25, SHPG. WT: 60 LBS. PRICE: USED, REPARABLE \$50.00

TELETYPEWRITER SCOPE



TS-1060 TELETYPEWRITER TEST SCOPE, MEASURES BIAS AND DISTORTION OF START-STOP AND SYNCHRONOUS TELEGRAPH SIGNAL ON A 3" CRT. INPUT SPEEDS APPROX. 60 WPM (5 UNIT CODE), 60, 75, 100 WPM 7.42 CODE, AND BAUD SPEED EQUIVALENTS TO 60.75, 100 WPM (10.42 UNIT CODE). INPUT IMP. 100 OHMS FOR 60MA NEUTRAL; 300 OHMS FOR 20MA NEUTRAL AND 30MA POLAR. MEASUREMENT RANGE 0-50% MARKING, OR SPACING BIAS AND DISTORTION. TUBES: 3KP1, 5651, 0A2, 3/12A7, 6X4, 0B2, 3/5963, 5726. POWER REQUIRED 115/230V 60HZ. 8x8x15 SHPG. WT: 24 LBS. USED REPARABLE \$34.95 (FOUNDATION UNIT) LESS C.R. TUBE 24.75

ME-9 MULTIMETER



ME-9/TS-352 MULTIMETER, PORTABLE GENERAL PURPOSE VOM. 1000 OHMS/VOLT AC-DC SENSITIVITY OR 20,000 OHMS/V. SENS. DC ONLY. MEASURES AC-DC VOLTS FROM 2.5 TO 1000 V. IN SIX RANGES. DC AMPS FROM 250 U-AMPS TO 10 AMPS IN EIGHT SCALES; OHMS FROM X1 TO X10K. WITH 4" METER (FS=50 UA); JACK FOR 5000 VDC @ 20,000 OHMS/V.; AND TEST LEADS. REQUIRES THREE 4 1/2 VDC AND ONE 1/2 VDC BATTERIES (NOT AVAILABLE). SIZE: 11x8x6; SHPG. WT: 7 LBS. USED. PRICE: REPARABLE, \$29.95; CHECKED, \$39.95

TS-375/U VACUUM TUBE VOLTMETER, AC VOLTS RANGES FROM 1.2 TO 120 VAC IN SIX STEPS; DC VOLTS FROM 1.2 TO 300 VDC. FREQUENCY RESPONSE FROM PANEL TERMINALS: 40 Hz to 50 KHz; OR 10 KHz to 150 KHz USING PROBES. WITH BOTH AC AND DC PROBES. POWER REQUIRED: 115 VAC 60 HZ. SIZE: 10x10x6 1/2; SHPG. WT: 23 LBS. USED. PRICE: REPARABLE, \$18.95;



MULTI-PURPOSE TEST SET

AN/TRM-1 SIGNAL GENERATOR, covers 0.19-400 Mhz AM using two RF oscillators SG-32 (0.19-30 Mhz in 5-bands) and SG-33 (30-400 Mhz). Internal modulation 0-60% @ 1 KHz or 200-6000 Hz external. Output: 2.5 to 100K u-volts in nine steps; 50 ohm impedance. Built-in voltmeter measures 0-3-30-600 VDC, 0-3-30-300 VAC, and 0-10-100-1000 MW. Also tests performance of 3 to 100 watt transmitters over freq. range when proper coupler and dummy load (not included) is used. Write for availability/price of accessories. Requires 115 VAC 60 Hz. 18x13x8; 65 lbs. Shipped UPS in two cartons. Used, reparable \$135. Checked, \$225. MANUAL, partial repro., \$10.



TEKTRONIX

TEKTRONIX manufactured test equipment removed from service. Sold in "used, reparable" condition. Write for "checked" price. Scopes requiring plug-ins are sold "less plug-in." qty. ltd.

- TYPE 531 DC to 15 Mhz, plug-in type, \$150.00
- 532 DC to 5 Mhz, plug-in type, 125.00
- 533 DC to 15 Mhz, plug-in type, 165.00
- 535 DC to 15 Mhz, with sweep delay, plug-in type, \$185. Checked, \$250.
- RM35A rackmount 535A, \$205. Chkd., \$265.
- 536 DC to 10 Mhz X-Y scope w/T plug-in; requires additional plug-in, \$295.
- 543A DC to 30 Mhz single time base; x100 mag., plug-in type, \$215.00
- 545 DC to 30 Mhz with sweep delay, plug-in type, \$250. Checked, \$325.
- RM45A rackmount 545A, \$265. Chkd, \$340.
- 551 DUAL-BEAM to 25 Mhz, uses two plug-ins; with ext. power supply, \$325.
- 555 DUAL BEAM to 30 Mhz w/sweep delay, Type 21 and 22 time base plug-ins, and external power supply; requires two vertical plug-ins, \$395.00
- RM51A compact scope w/2B67 time base plug-in and choice of 2A60 1 Mhz or 2A63 300 KHz diff. plug-in, \$325.
- 575 TRANSISTOR CURVE TRACER SCOPE, \$315.
- RM55A DC to 60 Mhz with sweep delay and 82 dual-trace plug-in, \$525.00
- 661 PULSE SAMPLING SCOPE w/483 dual-trace and 5TLA time base, \$395.00



VERTICAL AMPLIFIER PLUG-INS for Tektronix 530, 540, and 550-Series scopes and similar scopes by other manufacturers. Various manufacturers. Add \$10 for Tektronix manufactured unit. All "used, reparable." TYPE B, wide-band, high gain, \$45.

- TYPE D, High-gain, DC differential, 35.
- TYPE E, Low-level, AC differential, 40.
- TYPE G, Wide-band, DC differential, 25.
- TYPE K, Fast-rise, WRITE 65.
- TYPE L, Fast-rise, high gain, 65.
- TEK TYPE CA, dual-trace to 24 Mhz, 130.

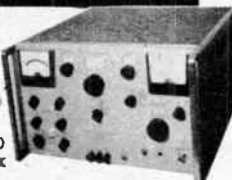


TEKTRONIX 18CA TIME-MARK GENERATOR, 14 time-mark intervals from 1 u-sec to 5 seconds. Three sine wave freq: 5, 10, & 50 Mhz. Trigger rate freq: 1, 10, 100 Hz and 1, 10, 100 KHz. Power required: 115/230 VAC 50-60 Hz. Size: 13x10x16 1/2, 37 lbs sh. Used, reparable \$95 Used, checked, \$125.00

FAIRCHILD 766H DC to 24 Mhz SCOPE w/76-02A dual-trace and 74-11A delay plug-ins, \$245.
HEWLETT-PACKARD 122AR DUAL-TRACE SCOPE, DC to 200 KHz; 10 mv/cm sens. Rackmount, \$145.
HICKOK 1805 SCOPE, similar to TEK 545A, reparable, \$165. Manual, \$12 w/scope purchase.

FM SIGNAL GENERATORS

BOONTON (HP) 202H AM-FM SIGNAL GENERATOR, 54-216 Mhz in 2 bands. RF output: 0.1 uv to 200 mv into 50 ohms. 0 to 50% internal AM; FM deviation 0-250 KHz in four ranges. 115/230 VAC 50-400 Hz req. 10x16 1/2x18 1/2, 56 lbs sh wt. Used, reparable, \$415.00; Checked, \$495.00
BOONTON 207H INVERTER, adds 100 KHz-50 Mhz FM range to 202H, \$75 when purchased w/202H. MANUAL for 202H and 207H, \$12 w/set purchase.
MARCONI TF1066B/1 FM SIGNAL GENERATOR, 10-470 Mhz AM-FM in five bands. Output 0.2 uv to 200 mv. Modulation 1 KHz or 5 KHz; FM deviation scales -20 and -100 KHz. Requires 115 VAC 60 Hz. 14x19x8 1/2, 60 lbs sh wt. Used, checked, \$575 (rackmt.); \$595 w/cabinet



FREQUENCY METERS



AN/URM-32 FREQUENCY METER: 125 KC to 1000 MC IN THREE RANGES, CAN ALSO BE USED AS A SIGNAL GENERATOR WHICH PROVIDES A CHOICE OF MODULATED OR UNMODULATED SIGNALS FOR TESTING AND CALIBRATING RADIO EQUIPMENT. SENSITIVITY WITH AN RF OUTPUT OF .05 MW MINIMUM IS OBTAINED. ACCURACY .01%, RF 100 UV MINIMUM ACROSS EXTERNAL 50 OHM RESISTIVE LOAD. FIVE TUBE HETERODYNE TYPE, POWER REQ. 6 VDC 1 AMP. 180 VDC 25 MA., DRY BATTERY OR AC SUPPLY CAN BE USED. METER IS USED TO READ P.S. VOLTAGES. W/CALIBRATION BOOK SIZE: 13x12x13 1/2; WT: 29 LBS.

Price: Used, reparable, \$65. Checked, \$95. 115 VAC 60 Hz power supply, \$20 additional.

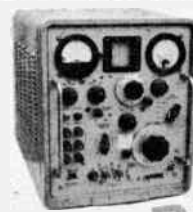


LM-21 FREQUENCY METER with AC power supply; Crystal calibrated unit covers 125 to 20,000 KHz in two bands. Design accuracy better than 0.02%. AM modulation 40% at 500 Hz. Output voltage: 250 u-volts min. Output impedance: 600 ohms. With calibration book, 1000 KHz crystal, and tubes 6A7, 76, 77, 2/991. Requires 115 VAC 60 Hz. Size: 8x8x8 1/2, 14 lbs sh. (meter), 8x8x8 1/2, 15 lbs sh. (power supply). Used, \$24.95 CHECKED, \$50. Set w/RECONDITIONED meter, \$65. POWER INPUT CONNECTOR for meter, \$2.00 each. CONNECTORS (2) for power supply, \$2.00 each. SHOCKMOUNT, \$2.50 MANUAL, \$7.50 METER ONLY, less tubes, xtal, cal-book, \$12.

PLUG-INS FOR HP-524 AND SIMILAR COUNTERS. USED, REP. ADD \$10 FOR HP MFG. MX-1637 10-100 Mhz, \$35. CV-594 100-220 Mhz, \$25. HP-525C 100-500 Mhz, \$125. HP-526A VIDEO AMP, \$40. MX-1636 TIME INTERVAL, \$25.00 HP-526C PERIOD MULTIPLIER, \$40.00 TRANSIT CASES F/525-526 PLUG-INS. STEEL (11x8x8), \$5.00. FIBERGLASS (14x9x9), \$10.00



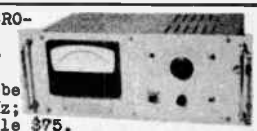
TS-510A SIGNAL GENERATOR



TS-510A/USM-44A SIGNAL GENERATOR, 10 to 420 Mhz AM, CW, and pulsed carrier. Internal modulation 400 or 1000 Hz. External mod: 100 Hz to 20 KHz. Output: 0.1 uvolt to 0.5 V into a 50 ohm load. Large 3 1/2" round meters indicate Percent Modulation and Output Volts-DEM. With built-in 1 Mhz and 5 Mhz crystal calibrator. Similar to Hewlett-Packard 606D. Power required: 115/230 VAC 50-1000 Hz. 13x16x21, 80 lbs. Used, reparable with output, \$195.00 *****

MANUAL for TS-510A, partial reproduction \$10.

MILLIVAC MV28B RF MICRO-VOLTMETER, 1 mv-3 volts full scale, 20 KHz to 1.2 GHz response. 6" mirrored scale; w/probe Requires 115 VAC 60 Hz; 25 lbs. Used, reparable \$75.



ME-22 DECIBEL METER, measures received testing power for 600 or 8000 ohm impedances. Meter indicates -45 to -25 dbm in 6-steps over 200 Hz to 35 KHz. Used, reparable, \$75.

SG-15/PCM SIGNAL GENERATOR, used with ME-22 as a test power source for gain, loss, and cross-talk measurements. Output: -54 to -25 dbm over 200 Hz-35 KHz, 600 ohms. Used, \$35.

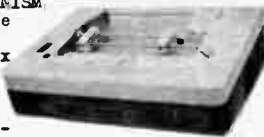


HEWLETT-PACKARD 205AG AUDIO GENERATOR, 20 Hz-20KHz; 5W output into 50, 200, 600, 5000 ohms. Separate input and output voltmeters. Used reparable \$105. Chkd., \$165

PRINTER MECHANISM

MATRIX PRINTER MECHANISM

precision German-made mechanism used in a U.S. assembled matrix printer which had speeds up to 180 CPS bidirectional, 0-132 or 0-158 columns. Includes single platen, ribbon drive, motors, belts, paper guides, etc. In 26" W x 24" H x 20" D beige plastic case with cast-aluminum base. Cover lifts for easy access. Add your own control/interface electronics and print heads and make it operational. 75 lbs sh wt. #MPM/M12, unused, \$125.00



#MPM-2P/M12 MECHANISM, same as above except with dual platen; 80 lbs sh. Unused, \$250.00

PRINTER CASE only as above, #MPC/M12, \$25.00

PRINTER STAND for the above or other items. 25" high with 13"x24" top support for bolting on desk top or cabinet. Space behind foot panel for storage. Welded steel construction; chocolate brown. O/A 25 1/2 x 24 x 21, 38 lbs sh. Shipped bus or truck only. #PSD/M12, \$25.00

DATAMATICS KEYBOARD as used with matrix printer. 75 keys ASCII encoded. Requires -5, -12 VDC. Assembled keyboard with unassembled, unpainted enclosure. Edge connector, hardware, pinouts incld. \$89.95



MECHANISM PC BOARDS

* 17D-242 CARRIAGE-RIBBON MOTOR DRIVER BOARD, provided outputs for red/blk ribbon solenoid, ribbon motors, and carriage as well as voltages for Processor, Controller, and RAM PCB's. Has power transistors 6/TIP142, 3/TIP140, 3/TIP145, 2/TIP2955, 2/LM320T-12, 2N3055, and related transistors and 74-series IC's; +40 +5 +9 VDC req. \$16.95

#217D-243 PAPER FEED #1/ HEAD DRIVER PCB, provides outputs for printhead needles, voltages for carriage/ribbon motor PCB, I/O for optical clock, and output to paper feed #2. Has transistors 13/TIP142, 2/TIP145, 2N3055, 4/MF1455P IC's, and 16/74-series IC's. Requires +40, +9, +5 VDC; 8 1/2 x 8 1/2. \$18.95

PRINTER POWER SUPPLY as used with above. Has AC outputs 2/24, 6, 18, 42-14-0-14-42 V from 115 VAC 60 Hz input. DC rectification required for proper voltages. Also has line filter for external fan, relay for cover interlock, and two fuses. 11x4x4, 18 lbs sh wt. #803-101, \$17.95

PRINTER INTERFACE PCB

#217E-238 PROGRAMMABLE INTERFACE, has 8080A microprocessor, 8251 programmable communications interface, 2/8255 programmable peripheral interface, 8224 clock generator, 8228 controller, 3/8205 decoders, MCL4411 baud rate generator, 4/2111-4 256x4 RAM, 4/4804 1024x4 RAM, 74123, 74196, and 74LS04. Also four 8-place DIP switches for baud rates 75-110-134.5-150-200-300-600-1200-1800-2400-3600-4800-7200-9600 and sockets for 2/2708 EPROM. Provisions for additional 2/2708, 4/4804, 8251, and secondary transmit-receive components. Requires -9 and +5 VDC; 7 1/2 x 10 1/2. \$85.00

#217D-249 SERIAL INTERFACE, has 8212 8-bit input-output port, 8251, MCL4411, 75188, 75189, 74LS08, 74LS10, two 74LS243, 1.8432 Mhz crystal, five 8-place DIP switches for baud select as on #217E-238 interface. Provision secondary xmit-receive components. -12 +12 -5 +5 VDC; 4 1/2 x 7. \$27.95

COMPUTER FOUNDATION

DISPLAY CIRCUIT BOARD WITH EIGHT 3/8" 7-SEGMENT LED READ-OUTS, EIGHT RED LED'S, 15 DARLINGTONS, 8 PNP TRANSISTORS 3/C4003 SHIFT REGISTERS, PLUS OTHER COMPONENTS, BLOCK DIAGRAM. 10x3 1/2, #ECR7700, \$9.95

COMMUNICATIONS CIRCUIT BOARD, CONTAINS MODEM CARO WITH 7/1458 OP AMPS (NO SCHEMATIC). MAIN BOARD HAS TMS-6011 UART, INPUT SHIFT REGISTERS, AND GATES (TEN IC'S). ALSO INPUT TRANSFORMERS FOR MODEMS, SELECT WIRING FOR 4- OR 2-LINE INPUT, AND LEVELS 0 OBM, -3 OBM, -6 OBM, OR -9 OBM. MODEM INFO, BLOCK DIAGRAM. #ECR9600, \$12.95

IMPRINTER LOGIC BOARD, THREE 200 VOLT 4 AMP TRIACS DRIVEN BY CONTACTS OF THREE 12 VDC REED RELAYS. ALSO HAS 2/4003 SHIFT REGISTERS, EIGHT DARLINGTONS, EIGHT PNP'S, 3/9002, AND A 4049 HEX BUFFER/CONVERTER. W/BLOCK DIAGRAM. 10x4, #ECR9060, \$7.95

CONTROL CIRCUIT BOARD WITH C4004 4-BIT MICROPROCESSOR, 2/4003 SHIFT REGISTERS, 3/4002 RAM'S, AND 8/4001 ROM'S. ALSO A 4.704 Mhz CRYSTAL, FIVE OTHER IC'S FOR CLOCK AND GATING, 12 IC SOCKETS, BLOCK DIAGRAM. 10x5, 3 LBS. #ECR9620, \$13.95

MICROCOMPUTER POWER SUPPLY, USES TWO 3-TERMINAL REGULATORS AND A 723 WITH TIP3055 TRANSISTOR. INPUT: 115 VAC 60 Hz; OUTPUT: -25 VDC 180 MA; -5 VDC 800 MA, -15 VDC 1.25 AMPS. WITH SCHEMATIC. SIZE: 3 1/2 x 5 1/2 x 4; SHPG. WT: 10 LBS. #ECRPS-744, \$15.00

CREDIT CARD SCANNER, USES AN OPTICAL SYSTEM TO READ THE RAISED NUMBERS OF A CREDIT CARO INTO IN PHOTO ARRAY. HAS SMALL AC MOTOR TO DRIVE CARO THROUGH THE READER. ALSO LIGHT AND PLASTIC OPTICS, TWO ROCKWELL IC'S 10561 AND 15120. WITH DIAGRAM OF CONNECTOR WIRING. 5x5x4, #ECR2020, \$7.95

20-KEY KEYBOARD, 5/8" SQUARE BUSINESS KEYS WITH CHARACTERS: 0 THRU 9, CLR, RST, CRCD, CASH, IMP, SEND, RET, CODE, \$, AND ACCT. TWO BUSES: ONE FOR NUMBERS; THE OTHER FOR INSTRUCTIONS. SIZE: 4x4 1/2, WT: 2 LBS. #ECR4835, \$3.95

ECR COMPONENT PACKAGE DEAL THE ABOVE SEVEN ITEMS WITH AN ECR-PREFIX WERE ORIGINALLY COMPONENTS OF AN ELECTRONIC CARO READER SYSTEM. THEY MAY BE PURCHASED INDIVIDUALLY AS MARKED OR TOGETHER AS A PACKAGE FOR \$45.00

PRINTER CONTROL PANEL with switches 3/DPDT C&K U21 toggles, 2/DPDT C&K 8221 push, and one C&K SPDT push sw. Also 1-3/8" dia 8 ohm FM speaker 16-pin DIP switch, 2/16-pin DIP sockets for connection to panel; 4 1/2 x 4 1/2. #217D-239, \$4.95

P8085 PROCESSOR PCB

#217D-244 CONTROLLER CPU, directed electro-mechanical functions of printer. Has P8085 MPU with 5.7143 Mhz crystal, 2/8255A programmable peripheral interface, 8253 programmable interval timer, 8212 8-bit I/O, 4/8205 one of 8 decoder, nine 3341 FIFO shift register, 4/2111-1 RAM, 7400, 3/74LS00, 74LS125, 74LS161. Sockets for 6/2708. +12, -12, +5, -5 VDC req. \$100.00

#217-246 PROCESSOR CPU, has P8085 w/5.185 Mhz crystal, 8255A, 8212, 8253, 3/8205, 4/2114 RAM, 74LS00, 74LS02, 74LS32, 74LS93, and 74LS244. Also sockets for 4/2708 EPROM. Requires +5 VDC (plus +12 and -5 VDC for 2708's). Originally used with Datamatics keyboard; 10x7. \$75.00

COMPUTER TERMINAL

795 VIDEO DISPLAY, CONVERTIBLE INTO A GRAPHICS TERMINAL AS DESCRIBED IN IN SEPT. '76 ISSUE OF 73 MAGAZINE. CONSISTS OF 12" DIAGONAL MAGNETICALLY DEFLECTED CRT, INTERNAL DC-TO-DC CONVERTER, 10 KV SUPPLY, HORIZONTAL AND VERTICAL DEFLECTION AMPS, AND INTERNAL MUFFIN FAN. WITH CONTROLS FOR INTENSITY, HORIZ. AND VERT. GAIN/POSITION. REQUIRES 115 VAC 60 Hz. POWER CONNECTOR NOT AVAILABLE. SIZE: 15 1/2 x 17 1/2 x 21; SH WT: 100 LBS., 75 LBS. NET. USED, \$59.50 REPRINT Sept. '76 Issue of 73 Magazine, \$2.00



CONTROL ASSEMBLIES ON 9x4 HEATSINK. USED, EXCELLENT YIELD ON SEMICONDUCTORS. SHPG WT. 4 LBS EA. SIMILAR TO PICTURE ORDER BY NUMBER TRANSISTOR CONTROL ASSEMBLY WITH DIODES.

8/T0-3 60V (SIMILAR TO 2N3055) AND 8/T0-66 (SIMILAR TO 2N3054) 60V TRANSISTORS, 8/0.4 OHM 5W AND 8/30HM 3W RESISTORS, 8/00-4 OIODES WITH INSULATED MOUNTING HARWARE. #7729 \$5.75

TRANSISTOR CONTROL ASSEMBLY, CONTAINS 8/T0-3 AND 8/T0-66 AND EMITTER RESISTORS AS ABOVE. SMALL OIODES AND RESISTORS #0425 \$5.00

CONTROL CLUTCH ASSEMBLY AND HEATSINK 9x4 IN. 8/100V T0-3 AND 2/60V T0-66 TRANSISTORS. FIVE 0.4 OHM 10 W RESISTORS, MORE.#095-8139 \$4.00

SOLENOID DRIVER ASSEMBLY WITH 6/70MFD 300V CAPACITORS, 6/ 60 OHM 3/10WATT OALE RESISTO TRANSISTORS AND OIODES. 3LB #340C4587 \$3.50

TALLY LOGIC; 26/2N3643, 2N6027, 3/324, TWO 16 PIN SOCKETS, 500MFO 75V, 2/200MFO 25V 4MINI POTS, RESISTORS, CAPACITORS, OIODES SH WT 2 LBS #691746 \$3.50

REED RELAY

REED RELAY BOARDS LISTED BELOW CONTAIN 12VDC REED RELAYS AND ASSOCIATED COMPONENTS. ORDER BY BOARD NUMBER. SH WT. 3 LBS.

- #5336 1/DPST, 4/5PST, 2/4PST, MERCURY WETTED RELAY SPDT, 26 OIODES. \$3.95
- #5341 3/4PST, 3/3PST, 2/2PST, 5PST, MERCURY WETTED SPDT, 23 OIODES \$4.95
- #5346 12/SPST, DPST, 2/DPST MERCURY WETTED. 5 TRANSISTORS, 51 OIODES, 3/25MFO 50V 47 MEO 35V \$5.95
- #5351 10/SPST, 10/DPST, 90 OIODES \$7.95
- #5361 3/DPST, 4/SPST, MERCURY WETTED SPDT. 6 TRANSISTORS, 24 OIODES, CAPACITORS OIODES, RESISTORS. \$3.95

#E40380 MAGNETIC REED SWITCHES with bias magnets on board, \$4.95

REGULATOR AND PREREGULATOR CARDS, w/current limit and OVP. Not complete regulator. Has transistors, diodes, zeners, resistors, capacitors. Needs about -50 VDC f/preregulator. #RB4561-4, for 4 to 5 V. regulator, \$2.50 #RB428-32, for 32 to 36 V. regulator, \$2.00

READ & SWITCH CORE CURRENT SOURCE, two 8 V reference diodes, 3 1/2 x 2 1/2 heatsink w/two transistors, 6-section inductor, 25 W 75 ohm rheostat, Dale 25 W 31 ohm 1% precision power resistor; 4 lbs sh. #315-CS, \$2.00

TALLY RECEIVER, 15/741's (two in socket), one 723 in socket, four transistors, six trimpts resistors, capcitors, etc. #601740, \$3.95

66-KEY KEYBOARD has upper/lower case letters, numbers, symbols and control keys. Seems to have been part of video terminal. Has IC's 7400, 7402, 2/7403, 7404, 7405, 7410, 7412L. Used 78370M control IC (not available). 17x6 1/2 x 2, 7 lbs sh. #3103-002-02, used, \$24.00

ON SALE!

CPU'S
RAM'S



CS8008-1 CPU, \$9.95
P8085 CPU, 12.95
8212 8-bit I/O 1.75
8251 programmer 5.95
2111 RAM \$3. 4/\$10.
4804A RAM \$5. 4/\$18.
AY5-1013 UART, 4.00
FRI-502E02 FIFO 6.95
RC4558 dual op-amp 50¢
7400, 7410, or 7440, one type, 10/\$1.00
8224 clk. gen. \$3.00
FFAL03 light reflective transducer. \$1.25

8080A CPU, \$4.95
8205 decoder, 2.00
8228 control, 4.50
8255 programmer 4.95
2114 RAM \$4.95 4/\$17.
MCL1411 baud gen \$9.
3341 FIFO \$4. 4/\$14.
1458 dual op-amp 3/\$1
MCL1489 quad-line, \$1.
MCL1489 quad-line, \$1.
CL903L CdSe photo \$3/\$1
40313BE 5/\$1. 4024BE 3/\$1. 4060BE 2/\$1.
MCL173C 5/\$1. MCL1741S 3/\$1. MC30403P 3/\$1.

CMOS IC's, good pull-outs w/'79 date codes:
4013BE 5/\$1. 4024BE 3/\$1. 4060BE 2/\$1.
MCL173C 5/\$1. MCL1741S 3/\$1. MC30403P 3/\$1.

MPS6513 equivalent (Motorola w/0139 house #)
NPN RF transistor; 30 V, to 350 Mhz. 6/\$1.
MPSA14 NPN darl 5/\$1.
TIP2955 PNP 10 A 85¢
2N6346 unijunct 75¢
TIP140 NPN darl. 95¢
TIP145 PNP darl \$1.00

2N3055 NPN 10 A, 75¢
2N4126 PNP 10-a 6/\$1
TIP120 NPN darl. 75¢
TIP142 NPN darl \$1.00
7808 8 v reg., 3/\$1.

1 AMP 50 PIV 15/\$1.
400 PIV 12/\$1.
1000 " 6/\$1.
5 AMP 800 PIV, \$1.75
MR-series, 6 AMP
MR750 50 PIV 85¢
MR751 100 " 95¢
MR752 200 " \$1.10
MR754 400 " 1.25

35 AMP 50 PIV \$1.80
100 " 2.10
600 " 3.50
1N3890 100V 12A 4/\$3.
ZENERs, 1 W: 3.3 3.9
4.1 10.2 17 4/\$1.
11.6 12.0 V 3/\$1.
1N2974B, 10 W 10 V
5% stud mt. \$1.25

1N1357A ZENER, 10 W 18 V 5% rev-polarity \$1.
VAKO VLA200/S 200 V 25 amp bridge rectifier,
c.t. cathode, stud mount, \$1.00 ea. 4/\$3.
#50-100A RECTIFIER, 50 V 100 A conservative;
no hardware or pigtail. House #; 8x1". \$2.
3E7A70EX113, 200 PIV 100 A, no hardware \$5.50

LED'S RED, T-1 1/2 size 8/\$1. GREEN 6/\$1.
DARK RED, HP5082-4697, 6/\$1.00
7-SEGMENT NUMERIC DISPLAY, common anode, left-hand decimal HP5082-7730 \$1.
SIA-2 DISPLAY; .33", - or -1 and 1, 2/\$1.00

IC SOCKETS 8-pin low-profile 5/\$1.
14-pin wire wrap 6/\$2.
14-pin standard 5/\$1.
16-pin WW 40¢ ea 6/\$2.
16-pin l.p. 5/\$1.
20-pin l.p. 35¢ 3/\$1.
24-pin l.p. 3/\$1.
24-pin std. 50¢ 3/\$1.
28-pin std. 60¢ 5/\$2.
40-pin std. \$1.00

JUMPERS PCB jumpers unused.
#50 14P2 two 14-pin, 18" long, \$2.50 1.75
43-16P1; one 16-pin, 12" " 1.50 3/\$3.
44-16P2; two 16-pin, 48" " 3.00 2.50
43-24P1; one 24-pin, 12" " 2.00 1.50
60-24P2; two 24-pin, 24" " 2.50 1.75
57-28P2; two 28-pin, 4" " 3.00 2.75
44-40P2; two 40-pin, 23" " 3.25 3.25
9-14P1; one 14-p, 25" loose leads, \$1.75

EIA RS232 CABLE, 6 ft cord w/male DP25P plug, female DP25S, and conn. covers, \$14.00 \$10.95
PC BOARD JUMPERS with IC plug and DP25P, 16-pin, #16/DP25P \$4. 24-pin, #24/DP25P \$5.

MOTOROLA K1115A CRYSTAL designed for PC board mount; 7.3728 Mhz. Unused, \$1.95
MOTOROLA SEMICONDUCTOR Data Library (1975), info on 1N-2N-3N-4N semiconductors, \$1.50

COPPERCLAD PCB Single side copperclad etching board for making printed circuits. Phenolic (PH) or fiberglass (FIB) backed as noted. Some drilled (d).
PH# Size Price Size Price Size Price
4x18 \$1.75 10x17 \$1.75 16x18 \$3.00
17x20(d) 3.00 15x22 3.50 16x32 5.25
FIB# 6x13 1.00 4x24 1.25 11x18 2.25
13x24(d) 3.25 -Buy 5 or more, take 20% off

COMPUTER POWER SUPPLIES

SOLID STATE POWER SUPPLY RATED CONSERVATIVELY AND CONSTRUCTED ON RUGGED STEEL FRAME. UNITS HAVE FRONT VOLTAGE ADJUST ±10%, RUNNING LIGHT, AC RESET. ALSO REATURED IS ADJUSTABLE CURRENT LIMITING AND ADJUSTABLE OVERVOLTAGE PROTECTION. POWER INPUT 115V 60 HZ. REMOVED FROM EQUIPMENT GOOD CONDITION. AC POWER INPUT PLUG \$2.00



RATING	SIZE	SH WT.	No.	PRICE
4v 30A	15x13x7	65 LBS.	926	\$30.00
12v 5A	16x9x7	95	655	37.50
30v 3A	15x19x7	38	889	27.50
20-24v 5.5A	20x9x7	47	332	39.95

DUAL POWER SUPPLY, SAME STYLE AS ABOVE UNITS. -32-36 V 14.7 A AND -32-36 V 10.3 A. TWO INDEPENDENT REGULATORS WITH COMMON BUSS. SIZE: 20x14x12; SH WT: 125 LBS. #450, \$60.00

24 VDC 20 AMPS HARMONIC REGULATED, HEAVY CONSTRUCTION. 24 VDC 30 A. INTERMITTENT. 20x13x7, 100 LBS. #4501, \$29.95

CASH REGISTER POWER SUPPLY WITH 6 VDC GEL-CELL BATTERY OUTPUT FOR MEMORY. ALSO +6, +10, +15, AND -24 VDC FROM 115 VAC INPUT. 8x8x7 1/2. 22 LBS. SH. ORIGINAL ELEC #08-0202550A. UNUSED. \$75.00

2 VDC 4VDC 17.5A 17.5A 2VDC 4VDC 17.5A 4VDC 17.5A 17.5A 2VDC 4VDC 17.5A WITH CURRENT LIMITING AND OVER VOLTAGE PROTECTION. THE 4 VOLT OUTPUT WILL ADJUST TO 5 VOLTS. SIZE: 14x8x6 SH WT 35 LBS. 115V 60 HZ. USED EXCELLENT COND. #9566WC \$30.00
POWER SUPPLY SAME AS #9568 ONLY LESS REGULATOR CARDS. HAS OUTPUT TRANSISTORS AND HEATSINKS. AN EXCELLENT FOUNDATION \$20.00

32-36 VDC 4.8 AMPS; CONVERSION INFO FOR 12-36 VDC OPERATION INCLD. WITH ADJUST. CURRENT LIMITING AND OVP; 3" COOLING FAN. 9x6x6 1/2; SHGP. WT: 37 LBS. #32-36V-4.8 \$27.95

OPEN FRAME REGULATED

COMPUTER POWER SUPPLY TRANSISTOR REGULATED OPEN CONSTRUCTION WITH ADJUSTABLE VOLTAGE 20% AND CURRENT LIMITING UNITS WHERE OVP IS NOTED ALSO HAVE ADJUSTABLE OVERVOLTAGE PROTECTION. UNITS ARE IN GOOD CONDITION-REPAIRABLE. ORDER BY RATING AND PART NUMBER.

RATING	SIZE	SH WT.	No.	PRICE
5v 2A	14x14x5	16	IC12-01	\$10.95
5v 4A	"	16	1014-33	14.95
8v 4A OVP	"	16	1014-21	14.00
12v 3A OVP	"	16	1014-22	25.00
12v 6A	14x8x5	23	1018-32	35.00
12v 6A OVP	"	23	IC18-22	37.00
30v 3A	"	23	1018-23	22.50
30v 3A CVP	"	23	1018-33	25.00
35-40v 500W OVP, 14x8x5, 60 LB.			1037-12	\$35

PS601301 TRANSISTOR REGULATED POWER SUPPLY produces independent +12 VDC 2.7 A. and -12 VDC 1 A. outputs w/overvoltage protection which can be used in series. Also -6.8 V 300 ma output. 9x5x7 1/2; 16 lbs. Used, \$14.95

MEMORY PCB Commercially designed PC boards w/position info; less components.

#217D-101 EPROM BOARD for eight 1702A EPROM, 4/7404, 2/3404, w/edge connector, \$4.00 \$3.
#217D-136 2K RAM BOARD for sixteen 2102 RAM, 7/7404, 7420; with edge connector, \$5.00 \$4.

MICROPROCESSOR CIRCUIT BOARD, has C4004 P-channel microprocessor, 4/P4001 256x8-bit PROM, 2/P4002-1 320-bit RAM and 4-bit output port, 3/4003 10-bit serial in/parallel-serial out shift register, plus 53 transistors. #IC-07, \$6.95

FLUORESCENT DISPLAY, 12-digit DG1001, 1-1/8" high with 1/2" display; 27 transistors and associated resistors, capacitors, etc. 3 lbs. sh. #QP3666, \$5.95

14-DIGIT FLUORESCENT DISPLAY using MG-17F 1 1/2" high tubes with 3/8" display; 31 transistors, 22 capacitors, diodes resistors. Tubes are on plug-in assembly (22-pin). #QP-2704 \$4.95

FAIRCHILD IC'S: 4/9002, 2/9015, 2/9016, 7418C 3/9024, 2/9602, 9/2N2222 plus resistors, diodes, etc. 2 lbs. sh. #C200504G1, \$1.95

TIMER-COMPARATOR, IC'S 2/NES55V, 2/LM339, 8/7400, 4/7404, 3/7408, 2/7410, 2/7411, 3/7474, 5/7493, 2/74123; two 5K trimpots, 7x8, \$3.

TWELVE DIGIT FLUORESCENT DISPLAY #POS2, 3/8" DIGITS WITH CHARACTER 0 THRU 9, -, ., AND DECIMAL POINT. TUBES ABOUT 2" HIGH. ALSO 2/M5812 COUNTER IC'S, 27 TRANSISTORS, AND OTHER PARTS. 9x8x2 1/2, SHGP. WT: 4 LBS. \$6.95

DIODE MATRIX 34 X 20 CONTAINS 90 DIODES 1N4004 OR EQUAL. 6x11 #005330 \$3.95

DIODE MATRIX 25 X 7, 23 TRANSISTORS, DIODES WITH 22 PIN SOCKET. 7x4 1/2. #2010200

CORE MEMORY ARRAY 2 SECTIONS EACH 52 X 52 BOARD SIZE 13x13x1 1/2 #2162301 5 LB \$3.95

SMALL CORE MEMORY ARRAY, 2 SECTIONS APPROX 65x15 EACH. 4 REED RELAYS 2/3PST, 2/5PST 7x4x1 1/2 #2006000 \$2.95

SWITCH NETWORK DIGITAL AND LINEAR IC PCARD. 3352.8Hz CRYSTAL, 3/2 POLE 4 POS, AND 1/3P 2P PC ROTARY SWITCHES. 4 MULTI TURN POTS. 38/72301 OP-AMPS, 2/MC1448, 9440C 5/9016, 4/7408, 3/NE565, 74195 2/SN29007, 2/74161, 2/74109, 3/7400, 2/7410 2/9602, SP380, SP363, 11x13 1/2, WT 5LB. SEVERAL HUNDRED RES,CAP, DIODE, #9825 \$8.95

CMOS #84293; 3/4001, 2/4002, 5/4009, 2/4010 4/4011, 2/4012, 7/4013, 4021, 2/4022, 7/4023 2/4025, 2513 A 64x8x5 CHARACTER GENERATOR 7417. 9x7 1/2, SH WT 2LBS #84293 \$7.50
CMOS-K1; 6/4008, 4/4009, 4/4011, 2/4012 7/4013, 9/4016, 5/4022, 2/4023, 4024, 5/4040 9x7 1/2, SH. WT. 2 LBS #CMOS 84292 \$6.95
CMOS #14007; 4/4001, 2/4011, 2/4013, 4042, 4558 DUAL OP-AMP, 23 TRANSISTORS, MANY RESISTORS, CAPACITORS. 1 LB #14007 \$2.95

IC BOARD #595254; 3/9322 QUAD 2 INPUT MULTIPLEXER, 7402, 7404, 7406, 7410, 3/7438, 741, 7442. 1 LB #595254 \$1.95

IC BOARD #594747; 8/75451 DUAL PERIPHERAL AND DRIVER, 7438, 7474, 74121, 7404, 6/7400, 7402, 7414, TRANSISTORS, RESISTORS, DIODES CAPACITORS 2 LB #594747 \$2.95

ENDERSOR DRIVER 4/DM8851 DUAL TRIGGERABLE MVRB, 7474, 9109 HIGH VOLTAGE HEX INVERTER, 2/7400, 7420, 7406, 18 BYPASS CAPACITORS. TO-3 TRANSISTOR ETC 1 LB #484-0001801 \$1.50

CARD READER CONTAINS A TEN SECTION SPST DUAL IN LINE SWITCH, A 8 POSITION MINATURE PC ROTARY SWITCH; 5/7400, 4/7404, 7/7408, 5/7410 4/7420, 7437, 74109, 3/74157, 74180, 9602 2/N82S62, 2/SN29301, NCR 94, 8 IC'S NO CROSS REFERENCE. SH WT 2LBS #315-0529449 \$3.50

CMOS #4293; 3/4001, 2/4002, 5/4009, 2/4010 4/4011, 2/4012, 7/4013, 4021, 2/4022, 7/4023 2/4025, 2513 A 64x8x5 CHARACTER GENERATOR 7417. 9x7 1/2, SH WT 2LBS #84293 \$7.50

CMOS-K1; 6/4008, 4/4009, 4/4011, 2/4012 7/4013, 9/4016, 5/4022, 2/4023, 4024, 5/4040 9x7 1/2, SH. WT. 2 LBS #CMOS 84292 \$6.95

CMOS #14007; 4/4001, 2/4011, 2/4013, 4042, 4558 DUAL OP-AMP, 23 TRANSISTORS, MANY RESISTORS, CAPACITORS. 1 LB #14007 \$2.95

IC BOARD #595254; 3/9322 QUAD 2 INPUT MULTIPLEXER, 7402, 7404, 7406, 7410, 3/7438, 741, 7442. 1 LB #595254 \$1.95

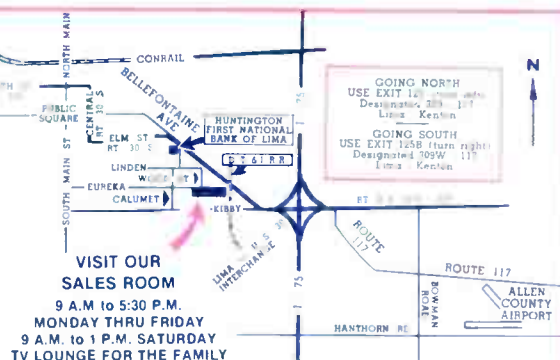
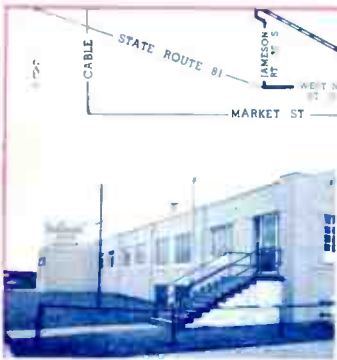
IC BOARD #594747; 8/75451 DUAL PERIPHERAL AND DRIVER, 7438, 7474, 74121, 7404, 6/7400, 7402, 7414, TRANSISTORS, RESISTORS, DIODES CAPACITORS 2 LB #594747 \$2.95

ENDERSOR DRIVER 4/DM8851 DUAL TRIGGERABLE MVRB, 7474, 9109 HIGH VOLTAGE HEX INVERTER, 2/7400, 7420, 7406, 18 BYPASS CAPACITORS. TO-3 TRANSISTOR ETC 1 LB #484-0001801 \$1.50

CARD READER CONTAINS A TEN SECTION SPST DUAL IN LINE SWITCH, A 8 POSITION MINATURE PC ROTARY SWITCH; 5/7400, 4/7404, 7/7408, 5/7410 4/7420, 7437, 74109, 3/74157, 74180, 9602 2/N82S62, 2/SN29301, NCR 94, 8 IC'S NO CROSS REFERENCE. SH WT 2LBS #315-0529449 \$3.50

25% SALE Choose any 4 circuit boards in the above column and TAKE OFF 25% from the TOTAL price!

POWER SUPPLY BOARD f/printer: 41 IC'S & sockets (mostly 74-series); 32 power transistors (mostly 10 amp TIP-140-142-145); 3/VTA200-S 200 V 25 A bridges; 5/1N3890 100 V 12 A diodes; and related. Also axial capacitors 11/6800 uf 16 V; 5/1500 uf 63 V; 4/220 uf 25 V; 1000 uf 25 V; plus 56/6.8 uf 35 V and 10/4.7 uf 35 V tantalums. 20x14; 5 lb. #803-195 \$22.



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 TV LOUNGE FOR THE FAMILY

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SSB TEST EQUIPMENT



SG-376 TRANSISTORIZED TWO-TONE I.F. SIGNAL GENERATOR for testing SSB equipment. Has two 20 Hz-20 KHz audio oscillators and two independent I.F. oscillators. IF output: 497.5, 498.5, 501.5, or 502.5 KHz only; also 497.5 & 498.5 or 501.5 & 502.5 KHz simultaneously. Output levels: 2-2.5 V into 600 ohms (AF); 1-1.15 V into 50 ohms (IF) with attenuation to 100 db in 1 or 10 db steps. Designed distortion less than 60 db below max signal. Requires 115 VAC 50-450 Hz. 5 1/2 x 19 x 11 3/8 lbs sh. Used-repairable \$135; Chkd., \$195. MANUAL for SG-376, \$7.50 if purchased w/set.

SG-823/URM-144 TWO-TONE REFERENCE SIGNAL GENERATOR, used in the measuring of receiver sensitivity and SSB transmitter distortion. Provides two RF outputs which can be used independently or in combination with no intermodulation effects. Frequency outputs: 2.0, 3.6, 4.0, 7.2, 8.0, 14.4, 16.0, 28.8 Mhz at 100K u-volts max into 50 ohms. Frequency adjust ±0.05% (tone A), ±0.0025% (B). Distortion at least 60 db below max signal. Requires 115 VAC 60 or 400 Hz. 5 1/2 x 19 x 11 3/8 lbs sh wt. Used, repairable, \$125.00; Checked, \$185.00 MANUAL for SG-823, \$7.50 if purchased w/set.



RG-8 COAX

100 feet of new polyethylene-jacketed RG-8 coax boxed w/two PL-259 connectors (not wired); 50 ohm impedance. Suitable for most amateur RF applications. 13 lbs sh wt. #CB-RG-8, NEW, \$19.95



PP-281 12 VDC POWER



PP-281 VIBRATOR POWER PACK for AM-65 amp and RT-70 transceiver (p 18). Supplies required voltages from 12 VDC 2.25 A input. 4 1/2 x 5 1/2 x 3, 8 lbs sh. Used, \$14.95

ENCLOSURE



STEEL CABINET w/lift top; for 7"H x 14"W x 8"D panel. Black finish. O/A 8x16 1/2 x 8 1/2, 7 lbs. #SK-CAB7148, used, \$5.95 PANEL w/misc parts from above \$1.50

TV-2 TUBE TESTER



TV-2 DYNAMIC MUTUAL CONDUCTANCE TUBE TESTER, checks most military and older commercial receiving and low power transmitting tubes. Test sockets for 4,5,6,7-pin, 7- and 9-pin miniature, loctal, octal, acorn, sub-mini flat and round tube bases. Measures mutual conductance, emission, gas, noise, and shorts. Meters for filament, grid, plate, screen, signal, and transconductance (percent quality). Theoretical-ly, a tube not listed on the roll data chart can be tested by setting the proper voltages on the meters provided those voltages are known. Requires 115 VAC 50-1600 Hz. 17 1/2 x 8 1/2 x 16 1/2, 50 lbs sh wt. Used, repairable, \$75.00; Checked, \$110. MANUAL, partial repro., \$10.

AMPLIFIED FIELD PHONE



TP-9 AMPLIFIED FIELD TELEPHONE, permits communication over greater distance than standard battery field phones such as EE-8, TA-43, and TA-312. Uses vacuum tube amplifiers for receiving and transmitter circuits. TP-9 can be used between standard field phones and effectively double their range. Has bell for audible signaling and indicator light for noiseless signal. Set consists of aluminum chassis containing 3N-38B generator, ringer, amplifiers, and TS-9 handset. Provision for head and chest set use. Requires 4.5 VDC 50 ma, 1.5 VDC 200 ma, and 67.5 VDC 5.5 ma. 11 1/2 x 11 1/2 x 7 1/2, 25 lbs sh. Used, \$50.00

EMERGENCY FLASHER

EMERGENCY LIGHT-FLASHER-CHARGER, plugs into car lighter with 14 feet of cable and provides bright clear flasher for emergencies or continuous lighting for repairs, map reading, etc. Also has provision for trickle charging battery from another vehicle using an additional 3 ft cable connected to its lighter circuit. Has meter which indicates approximate charge time required. 6x4x3, 4 lbs sh. #EMERG-LFC, w/cables, NEW, \$5.00 LIGHTER CABLE, 14' as above, \$2.50; 30' \$1.



ENERGY STORAGE



GENERAL ELECTRIC ENERGY STORAGE CAPACITOR, 7.5 mfd 20 KV DC, 0.06 inductance oscillatory duty; 75K peak amps. Safe castor oil impregnated. 16 1/2 x 19 1/2 x 5 including insulator and flange mount. 65 lbs sh. GE#1456606, unused, \$50.00

6 AMP GEL-CELL



RECHARGEABLE GEL-CELL BATTERY rated 6 VDC 6 amps in 4 1/2 x 3 1/2 x 2 plastic case. Made for Montgomery Ward's; with terminal clips. 3 lbs. #63-11387 NEW \$8.95 2/\$17

NI-CAD BATTERY, rechargeable 4.8 VDC 500 ma, 1 1/2 x 1-3/8" dia; German mfg. #4/500KZ NEW \$4.
MERCURY CELLS, non-rechargeable; 1-7/8 x 3/8 d.
 #EM-3P, 4.2 V 500 mah, NEW, 3 for \$2.00
 #EM-4N, 5.6 V 500 mah, NEW, 4 for \$3.00

MERCURY CELL PACK

BA-398/PRC-25 ARCTIC BATTERY PACK, wrapped around body in friid conditions to power PRC-25 and -77 transceivers. Consists of 72/1.5 VDC mercury cells (5 sets of 12, two sets of 6) wired to produce 2.5-3 V 400 ma & 12-15 V 1.4 amps. Original life: 20 hrs, 9:1 xmit ratio. Requires special cable (not available) if used with PRC-25, -77. Or use as source for 2"x1 1/2" dia cells. W/loath cover and straps; '77/'78 dates. 6 lbs. Unused, \$7.95



BA-4386 MANGANESE DIUM LONG-LIFE BATTERY PACK for PRC-25, -77; '78/'79 date codes. Unused \$8.95

TV-10 TUBE CHECKER, portable unit tests similar tubes as the TV-2. Single meter indicates micromhos; roll chart test data. 115 VAC 50-1000 Hz. 18x10 1/2 x 7, 30 lbs sh wt. Used, repairable, \$50.00; Checked, \$80.00 MANUAL, partial repro., \$10 w/set purchase.



TEST ADAPTERS f/TV-2, -5, -7, -10 \$7.00 each: for 2C39, for 829/832, for sub-mini lg lead

PSM-6 MULTIMETER



AN/PSM-6 MULTIMETER, rugged compact unit 4 1/2" dia. 50 microamp meter. Ranges 0.5-2.5-10-50-250-1000 VDC (1K ohm/v or 20K ohm/v) and VAC; 100 microamps to 1 amp DC. Also ohms multiplier scales X1 thru X10K ohms. Readings to 5000 VDC and 10 amps possible when used with accessory adapters which are not available. Requires 1.4 VDC battery tapped at 1.34 V. With test leads. 8 1/2 x 7 1/2 x 4 1/2, 12 lbs sh wt. Used, repairable, \$45.00; checked, \$65.00

ME-6D VOLT METER



ME-6D/U VTVM, covers 0.005 to 500 V-rms in six ranges and -65 to 57 db. Built-in 15 Hz-250 KHz wide-band amplifier with max. voltage gain of 4500; minimal distortion to 23 VAC output. 115 VAC 80-400 Hz. 11 1/2 x 16 1/2 x 5 1/2, 14 lbs sh wt. Used, repairable \$30. Checked, \$50 MANUAL f/ME-6D, partial repro \$8.50

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ROLLER INDUCTOR



GATES/HARRIS ROLLER INDUCTOR part of 1 KW transmitter; consists of 0.25" width silver-plated ribbon wound in 21 non-linear turns and forms 4.75"L X 3.63" dia coil. Fiberglass end plates; shaft 1"Lx3/8" dia. O/a 5x4 x9, 5 lbs sh. #938-0505-001, unused, \$45.00

COLLINS ANTENNA TUNER

COLLINS 180S-1 ANTENNA TUNER, manually-controlled 1 KW pi network tuner designed for use with KWM-2 and similar 3-30 MHz 50 ohm line transmitters. Includes UC5L-500 4-500 pf vacuum variable capacitor, 26-570 pf air variable capacitor, and 15 uH roller inductor. Controls for ANT OUTPUT C, COAX INPUT C, SERIES COIL. Also SERIES or SHUNT input terminals plus two 500 pf capacitors may be connected in shunt. 10.5x7.8x11.5, 16 lbs. Unused w/book, \$185. 350D-3 SHOCKMOUNT for 180S-1, unused, \$10.



COLLINS MP-1 MOBILE POWER SUPPLY, vehicular power source for KWM-1/2/2A transmitters. Nominal outputs 12 V 6 amp, 265 V 210 ma, 750 V 185 ma, and -50 to -80 V bias from 11 to 16 VDC 30 A input. 3.8x11 x5.8, 10 lbs sh. Unused w/info, \$75.00

PRC-25 MODULE TESTER

AN/GRM-55 TEST SET, use to check test points in modules of RT-505/PRC-25 transmitter and to isolate circuit problems. (Indirect tests only of modules A2, A12-13, A19-20.) Includes TS-1755 test unit, MX-4622 probe, CX-8593 cable Assy and CG-409 BNC cable. Requires 12.5 VDC 1 W per 5 sec test. 5.5x7x8 10 lbs. Used w/operator's manual, \$75.00



JOYSTICKS & PADDLES

IBM[®] JOYSTICK for PC Jr[®], usable with other computers and equipment. High quality item contains two 100K pots with mechanical mode switches to select spring return or free movement. Also trim adjust for each axis and two "fire" buttons. 1.9" o/a stick length; base 4.3x4x2, 2#. #JS-PCJR, NEW \$15.95 ea; 2/\$28

KRAFT COMPUTER PADDLES designed for use with PC's; each with 100K ohm adjustable pot FIRE button, and 4.5 ft joined at one male DB15 connector. Each 4.3x x3; 4 lbs. #KR820-005, NEW, \$9.95 per pair

ARCADE JOYSTICK, p/o SUPER ZAXXON[®] by Sega; heaviest-duty metal stick with trigger and four SPST norm-open FIRE buttons. O/a 9x24x10, 18#. #AJS-SZ, NEW, \$19.95

6 VDC MOTOR & CHOPPER

MAXON 7-POLE 6 VDC PM BALL-BEARING MOTOR w/1.6"x0.5" chopper assembly for speed control feedback use; approx 120 counts/revolution. Shaft 5/8"Lx1/8" dia; o/a 2.4"L x0.9"D. Swiss-mfg; #MAX-6V-7P, \$7.95

COMMODORE MOTHERBOARDS



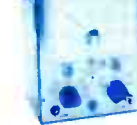
#VIC-D1981 #VIC-D1983
MOTHERBOARDS for COMMODORE VIC-20, the ever-popular 5K memory color computer which still has a dedicated following. All components intact. "Some worked, some didn't" when we powered-up a sampling and so we are selling them "AS-IS." Good source of spare parts or, if your a gambler, the basis for cheap parts computer; 3 lbs sh. Two versions to choose:

#VIC-D1981, eleven 2114 RAM; 9 VAC req \$14
#VIC-D1983 with two M58725 2Kx8 RAM or equal; requires 9 VAC and 5 VDC, \$13.50

COMMODORE E-64 MOTHERBOARD from the EDUCATOR, a 64K memory computer made by Commodore for the "school" market; same as 1982 version of C-64 motherboard. Units DO HAVE the expensive-to-replace support IC's such as two 6526's, 6510, VIC, RAM, ROM and others. They DO NOT HAVE the RF modulator, video ROM, SID, power switch (or power input socket) and some misc components. Requires 9 VAC and 5 VDC. Buy for spare parts or for experiment! 3 lbs sh. #MB-E64, AS-IS, \$19.95

COMMODORE C-16 KEYBOARD, originally p/o the C-16 computer--a short-lived transition computer between the VIC and C64. By switching a few wires, it will work with VIC on most keys. Change info included. 5x15x1.5; 3 lbs sh. #KB-C16 \$4.95; if purchased w/VIC board, \$3.

RCA VOLTOHMST



RCA WV-77E VOLTOHMST, low-cost all-purpose VTVM with 4.5"W x 4"H meter. Has AC-DC volt RMS ranges 0-1.5-5-15-50-150-500-1500 V; volts P-P 0-4-14-40-140-400-1400-4000 V; resistance 0-1000-10K-100K-1M-10M-100M-1000M ohms. Response 40 Hz-5 MHz; 11 meg input imped. Less test leads (banana jack-type). Requires 115 VAC 60 Hz; 7.8x5.6x4.8, 5 lbs. Used-reparable, \$16.95

BOXER FANS



QUAD-AXIAL FAN ASSEMBLY, 8x22.5x2 housing with four IMC SUPER BOXER[®] WS2107F fans. Each 4.5"x4.5" 7-blade fan rated 115 VAC 27 W 117 CFM; 13 lbs. #4-SBX-FN, NEW \$32.95

12 VDC FAN, Rotron Sprint axial, 3.1"x3.1"; 1.4 W. #ST1266, NEW, \$12.95
PANAFLO #FBP-06B-12L miniature 12 VDC fan, 2.3" sq X 1.3"D; 5-blade 1.4 W. NEW \$10.95

ARN-30D VHF RECEIVER



R-1U21/ARN-30D VHF RECEIVER covers 108 to 126.9 MHz AM in 100 KHz steps (190 channels); originally part of air navigation system. 1st IF 11.7-12.6 MHz; 2nd 1.7 MHz. Electrically turned crystal turrets with frequency displayed on side panel. Adjustable squelch; 300 ohm audio output. 50 ohm input impedance; BNC connection. Tubes 5718, 5840, 5896, 4/5899, 5902, 6021, 6112. Requires 28 VDC 1.8 A and 260 VDC 85 ma. 5.5x11.4x4.6, 10#. Used, \$29.95
PP-2792/ARN-30D 28 VDC SUPPLY, mounts on rear and powers R-1021 from 28 VDC input. 3 lbs sh. Used, \$15 w/R-1021 purchase. Operator Manual f/ARN-30D, part-repro \$7.50

CATALOG
INFORMATION

This IS the only
catalog we will
issue this year.

A supplement will
be sent in the Fall.

POWER AMP FOR GRC-9



AM-66A POWER AMPLIFIER for RT-77/GRC, first we've ever seen; French-made for NATO forces. Increases RT-77 output to 30 watts AM-CW, 90 W pulse. Uses three 2E22's in PA; with antenna tune meter. Requires +70D V 330 ma, +280 100 ma, +12 V 400 ma, 6.3 V 5 A, 5 V 230 ma. Non-English dial markings. 16x13x8, 29 lbs sh. Used, \$85.00 MANUAL (in English), partial repro, \$15.00 AA-18 ALIMENTATION (POWER SUPPLY), provides all the necessary voltage for AM-66A from either 12 or 24 VDC input. Similar size and appearance as DY-88-105; 36 lbs. Used, \$75.00. ***** AN-66A & AA-18 PACKAGE including CD-1086 cable, CX-2031 DC cable, and manual, \$165.00

TELEPHONE TONE PAD

ITT TONE KEY PAD, can be used for tone control, signaling, and experiments. Each key produces tone output; characters 0 thru 9, *, #. Requires 9 to 15 VDC; with hook-up info. 3.4x3.3x1.8, 2 lbs sh. ITT #3600G, NEW, \$7.95; 2/\$15. *****



WESTERN ELECTRIC #35AF3A TONE PAD, as above, but removed from equipment, \$5.95 ea; 2/\$10.

SOLDERING STAND

SOLDERING STAND, handy item for the builder-hobbyist; has 2.6"x5.3" cast iron base with sponge tray and 5" coil with insulating funnel. 3 lbs sh; #SS-IS-101, NEW, \$2.95



DOLLAR DAZE

PLEASE ORDER BY NUMBER. Unit prices only as indicated. Look for more DOLLAR DAZE throughout this catalog.

45-85 JAG 1 amp FUSES 10/\$1;
 SLO-BLO 3AG 1 amp, 10/\$1.25;
 In-line FUSEHOLDERS for 3AG, 5/\$1

41-81 LOUD BUZZER HORN as used in smoke alarms; 2" dia x 1 1/2". 6 VDC \$1.25 ea;
 12 VDC \$1.35 ea; 115 VAC \$1.45 ea

46-86 DRILL BITS for PC board work; 1/8" shanks. Specify size #59 or #75. 2/\$1.50; 10/\$5 (one size).

43-83 LINE CORD, 2-conductor #18 gauge as on appliances; 6 feet long, white. NEW, 3 for \$1.25

23-77 BRASS COUPLINGS for 3/8" dia. x 3/4" long shafts. 3 for \$1.00

48-87 PHONE MODULAR SPLITTER, fits wall mod jack; adds 2nd outlet for computer or answer machine, \$1.95 2/\$3

44-83 49 Mhz WALKIE-TALKIE PC BOARD, no speaker or mic; 9 VDC req. \$1.50 ea, 3 for \$3.

49-87 MILTON BRADLEY TOY HEADSET w/boom mic-NO receiver elements; 6 ft cord & mini-RCA plug. NEW \$1.50

42-82 RUBBER EQUIPMENT FEET 1-1/8" dia rubber with 1/4" #2x20 bolt; w/o nut. 8/\$2.00

47-86 RUBBER EQUIPMENT PADS, 5/16" dia self-adhesive; 40 per sheet. 2 sheets for \$1.50

38-79 SPEAKER, 3" dia 8 ohm 3/4 W or similar. NEW, \$1.00

RT-77/GRC-9 TRANSCEIVER

RT-77/GRC-9 BACKPACK TRANSCEIVER, covers 2-3.6, 3.6-6.6, and 6.6-12 MHz; Hi-Lo outputs 7/1 watt AM, 15/5 W CW. Receiver section has 456 KHz IF and 200 KHz calibration points. Transmitter is continuously tunable or two preset channels; uses 2E22 tube in power amp. With tubes 2/1L4, 3/1R5, 1S5, 3/3A4, and 304. Requires 580 VDC 100 ma, 6.6 VDC 2 amps, 120 VDC 45 ma, 1.5 VDC 500 ma, and 6.9 VDC 575 ma. 16x13x8, 35 lbs sh. Used, \$55.00; Power connector, \$4.



 ACCESSORIES for GRC-9 system:
 MANUAL for AN/GRC-9, original, \$8.50
 CD-1086 POWER CABLES, connects RT-77 to DY-88-105 or GN-58, 44" lg \$12.84, \$15.
 SPARE TUBES for RT-77 "used-checked":
 2E22, \$4.50 ea. All others, \$1.50 ea.

* LS-7 LOUDSPEAKER *

Permanent magnet-type has 4" dia cone and 4000 ohm matching transformer in metal box; includes 5 foot cord with PL-55 plug. 4 9x4.9x3.4, 4 lbs. Used, \$15.00
 LS-203 SPEAKER, similar to LS-7 but looks like LS-166 (p 7), \$16.
 HS-30 HEADSET w/ CD-604 cord, used, \$7.30
 T-17 MICROPHONE, used, \$7.00; Unused, \$12.
 J-45 KEY with legiron and cord, used, \$14.
 MT-350 VEHICULAR MOUNT for RT-77, \$15 \$7.50
 FM-85 VEHICLE MOUNT BRACKET, \$10.00



+ LONG-WIRE ANTENNAS +

AT-101 LONG-WIRE ANTENNA, 4.3-12 MHz, \$10.00
 AT-102 LONG-WIRE, adds 2-4.3 MHz range, \$9.
 AT-101 & AT-102 LONG-WIRE SET, 5 lbs, \$15.00
 MS-116-117-118 MAST SECTIONS, used, \$3.50 ea
 IN-127 INSULATOR BASE, holds 3/MS-116 & 1 ea MS-117-118; 14.5" black plastic, 2#. \$10.00
 FT-515 BRACKET attaches IN-127 to RT-77, \$3.
 MP-65 VEHICULAR MAST BASE for MS-116-117-118 ceramic insulator. 17.5" Lg, 4 lbs sh. \$12.
 CP-12-13 COUNTERPOISE, 4 lbs, \$12.00
 GY-12 GUY ROPE 20', \$2.50; GY-42 2x20' \$4.50
 M-378 HALYARD, 80', \$6. M-379, 10', \$1.50

GRC-9 CANVAS BAGS

BG-172 BAG for long-wire antennas, cables, and other accessories; 13x13x10, used, \$6.
 BG-174 BAG, for mast sections and GN-58 generator legs; 42x10x4.5, used, \$6.00
 BG-175 BAG for GN-58, 10x8x10.5, used, \$5.
 CW-140 COVER for RT-77/GRC-9, used, \$10.00

ACCESSORY PACKAGE DEAL

for GRC-9, refer to manual TM11-263 (6/56). All items shown in figure & page #. Used!
 BG-172 BAG & CONTENTS, figure 5, page 10 except without BX-53; 28 lbs sh. \$52.00
 BG-174 BAG & CONTENTS, fig 6, p 11; 13 ea MS-116, 1 ea MS-117-118; 28 lbs sh, \$45.00
 BG-175 BAG & GN-58, fig 13 p 15; 26#, \$20.

DY-88 POWER SUPPLY

DY-88/GRC-9 DYNAMOTOR POWER SUPPLY, powers RT-77/GRC-9 from 6, 12 or 24 VDC input @ 29/14/6.7 amps max. Usable to power other transceivers. Output: 580 V 100 ma, 105 V 45 ma, 6.3 V 2 A, 1.4 V 500 ma, 6.3 V 575 ma. 13x11.3x9.5, 40 lbs sh. Used, \$100 \$59.50; CX-2031 POWER CABLE, \$8.
 DY-105 DYNAMOTOR SUPPLY, same as DY-88 except 24 VDC input only; used, \$45.00



GN-58 GENERATOR SET

GN-58 HANDCRANK GENERATOR with legs, seat and two cranks; designed to power RT-77 transceiver in field but other uses possible (An exercise bike for those who want something more from a workout than sweat!) Outputs 425 VDC 115 ma, 105 VDC 32 ma, 6.3 VDC 2.5 amps, 1.4 VDC 465 ma from your own or friend's(?) muscle input. Generator 10.5x7.5x8; 39 lbs sh. Used, \$35.00 \$27.00



MOTION DETECTOR

MOTION SENSOR, interesting security device that detects change in ambient light. When someone or thing passes through its 15 ft sensing range and disturbs the light environment, sensor trips alert siren. Utilizes LM324A op-amp and photo cell tied to a zero (null)-seeking circuit. Grey plastic case; requires (4) AA batteries (not included). 5.5x4x1, 2 lb. #IS-MO-DE, NEW \$2.95



DIP EXTRACTOR

DIP EXTRACTOR PLIERS for easy and non-damaging vertical removal of 4 to 48-pin IC's from sockets or desoldered PC boards. Spring-loaded pliers are made of anti-static plastic with metal extractor teeth; 5x3.4. Techni-Tool #4916, NEW, \$5.95; 2/\$10.



ACTION JOYSTICK

with fire button, eight direction action. Has 3.5 ft 6-conductor cord with DB-9 connector; wire for computer/game machines. 3.6x4.6x3.1, 2 lbs. #MA-ACT-JS, NEW, \$2.95 ea; 2/\$5.



PIEZO CRYSTAL

PIEZO CRYSTAL CYLINDER for use in pressure or sound experiments. These unusually large 3.4" dia X 5" long crystals produce a high potential when subjected to pressure change caused by weight and temperature change. When audio frequency is applied crystal responds from 1.5 KHz with a peak at 12 KHz (3500 ohm impedance) and a peak at 17 KHz (230 ohms). Dips and peaks occur throughout the audio and ultrasonic range. Cylinder wall 0.4" thick; can be sawed with difficulty into smaller sections. Originally used in underwater detection system; 7 lbs sh. #P-XTAL-86, removed, \$27.95



VACUUM CAPACITOR

RF VACUUM VARIABLE CAPACITOR ASSEMBLY, consists of UC5L-1000 7-1000 pf 3 KV max vacuum variable with 28 VDC drive motor and gear assembly. Will run on 6 VDC and up. 8x6.8x3, 7 lbs sh. #CS01/180L, used, \$69.95 *****
 UCS-300-7.5 VACUUM VARIABLE ASSEMBLY with 9-300 pf 7.5 KV max vacuum variable with 115 VAC 400 Hz motor drive; 7 lbs. Used, \$75.00



RIBBON INDUCTOR

VARIABLE RIBBON INDUCTOR with motor drive; p/c Collins 180L antenna tuner. Consists of two 5.4" L x 3.375" dia coils with 288" of drawn silver ribbon (0.125" w x 0.01" th) wound between; approx 28 turns. Ribbon is transferred from one coil to the other as a 28 VDC motor turns both. O/A 9.3x5.8x5.8, 10 lbs sh. #L401/180L, used, \$34.95 \$29.95

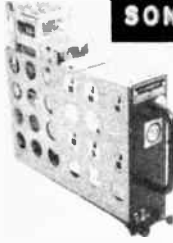


PLANTRONICS HEADSET

PLANTRONICS StarSet II ultra-light OPERATOR'S HEADSET, improved contoured earpiece, 3-position volume integrated into amplifier plug, and SoundGuard protection from unexpected loud telephone line noise. Also coil cord with PJ-7 dual plug, set of six different sized earplugs, and carrying pouch; almond color. 3 lbs sh. #HS0308-1, NEW, \$44.95 \$35.



SONOBUOY RECEIVER



R-1170/ARR-52A VHF RECEIVER 162.5-173.5 MHz AM, FM and video using 31 crystal-controlled channels. Solid-state sonobuoy receiver consists of five plug-in modules; 26 MHz 1st IF, 5 MHz 2nd IF. Conversion facilities for 2 meters, VHF weather, satellite TV, etc. (See Oct 178 CQ Mag.) Requires external control and 28 VDC. 7.5x2.5 x10, 9 lbs. Used, \$29.95; \$29.95; SCHEMATIC, \$4 w/set. MANUAL, partial repro, \$15 w/set.

Requires external control and 28 VDC. 7.5x2.5 x10, 9 lbs. Used, \$29.95; \$29.95; SCHEMATIC, \$4 w/set. MANUAL, partial repro, \$15 w/set.

ARC-45 UHF TRANSCEIVER

RT-295/ARC-45 UHF TRANSCEIVER designed for light aircraft and employs 12 preset channels in the 225-399.9 MHz AM range; 1 watt minimum transmitter output. Receiver IF's: 23.49-24.39 MHz and 2.98 MHz. Audio out 50 mw into 150 ohms. Uses 2/5893 tubes in PA. 5675 as doubler, 7077, plus 28 other miniature and sub-mini tubes. Requires 150 VDC 115 ma. 300 VDC 130 ma. 27 VDC 1.7 amps. 5.3x8x14.3, 19 lbs. Used-no crystals \$75.00; Schematic \$5.



SB-328/AR CHANNEL SELECTOR, for ARC-45; 12-position channel select, tone button, volume, and 2 pilot lights w/227 lamps. 2.5x5.8x4.3, 3 lbs. Used \$5.95; Unused, \$9.95

COMMAND TRANSMITTERS

Command transmitters with proper use can put out 50 watts CW and 50 watts phone. Modulation is obtained from either of two separate units, BC-456 for single tube modulation or MD-7 for push-pull. The 575-600 VDC 175-200 MA and 24 volt power requirements were originally satisfied by the 24 VDC DM-33 dynamotor which mounted on either modulator. The transmitters use a 1629 "eye" tube for tuning and crystal calibration plus tubes 2/1625 and 1626. Size: 5x7x12, 17 lbs. sh.



BC-457/T-20, 4-5.3 Mhz, reconditioned \$19.95
WRITE for availability of other Command Transmitters and companion receivers!

MC-215 SPLINE for remote tuning, 6 ft., \$1.50
DM-32 DYNAMOTOR, 25 VDC 1/receivers, \$4.95
MT-77 MOUNT for BC-442/RE-2 relay box, \$3.00
FT-232 SHOCKMOUNT for FT-234 rack, \$5.00
FT-234/ single transmitter rack, \$3.25
FT-227/MT-70 SHOCKMOUNT F/FT-226 rack, \$2.50
C-48 TUNING CONTROL, panel style for ARC receivers 190-550 KHz; MC-215 required, \$8.
C-22 TUNING CONTROL, 108-15 MHz, used, \$7.95
BC-451 TRANSMITTER CONTROL, 1 to 4 xmitters; built-in key, mode, mic jack, unused, \$5.00
BC-496 DUAL CONTROL, 3-6 and 6-9 Mhz dials for BC-454/BC-455 pair; unused, \$7.95
BC-450 TRIPLE CONTROL, 190-550 KHz, 3-6, and 6-9 Mhz dials for BC-453-454-455; unused \$8.

R-19/ARC AIRCRAFT RECEIVER, 118 to 148 Mhz continuously tuneable. No dial; designed for remote tuning with spline shaft. IF-15 Mhz. With tubes 9007, 3/9003, 14A7, 2/14R7, 14F7, and 12A6. Uses accessories similar to ARC-5 Series. Requires 250 VDC 60 ma and 24 VDC. 6x5x11x12; 13 lbs. sh. Used, \$18.95



R-11A RECEIVER, 190-550 KHz. Similar to R-19 but has 85 KHz IF and tubes 2/14A7, 14S7, 14R7, 14F7, and 12A6. Used, \$12.95

R-10 BROADCAST BAND RECEIVER, 550-1500 KHz, similar to R-11. Used, \$24.95

ARC-39 RECEIVER-XMITTER



RT-427/ARC-39 RECEIVER-TRANSMITTER, REPLACES COMMAND SETS; COVERS 2.0 TO 9.1 MHz IN TWO BANDS; SIX CRYSTAL-CONTROLLED FREQUENCIES PER BAND. RF OUTPUT: 10 WATTS MIN. INTO 10 OHM LOAD (100 PF). 100% AMPLITUDE MODULATION; AUDIO OUTPUT: 200 MW WITH 1000 UV 30% MODULATED INPUT; 800 MW MAX. BANDWIDTH: 8 KHZ @ 6 DB DOWN. METER INDICATES RELATIVE RF OUTPUT TO THE ANTENNA. WITH TUBES 0B2, 2/12A7, 4/5749, 5750, 3/5686, 4/5814, & 3/6159. POWER REQUIRED: 28 VDC 4.4 AMPS WHEN RECEIVING; 8.5 AMPS TRANSMITTING. SIZE: 7x10x21x2; SHPG. WT: 42 LBS. PRICE: USED, COMPLETE, \$49.50
MANUAL FOR RT-427/ARC-39, REPRODUCTION, \$10.

225-400 MHZ CONVERTER



AM-914/TRC AMPLIFIER-CONVERTER, originally used with military R-417 receiver plug-in for the 225-400 Mhz range. Continuous tuning of RF and oscillator; 30 Mhz I.F. Unit has conversion possibilities as discussed in R. Grove's article in 10/80 issue of CQ magazine. With tubes 5670 and 4/614. 7x16x19x8, 17 lbs sh. Used, \$34.95

AM-1179/GRC, 50 to 100 Mhz, \$39.50
AM-913/GRC, 100 to 225 Mhz, \$39.95
AM-1177/GRC, 400 to 600 Mhz, \$44.50
AM-3203A/GRC, 1.35 to 1.875 Ghz, \$49.50



AM-1178/GRC AMPLIFIER-MULTIPLIER, used in T-302 transmitter for 400-500 Mhz FM range. 100 W out f/4X150A and 4X150G. 12x6x14, 45 lbs. Used \$75.
AM-1180/GRC, 50-100 Mhz, one 4X150A, \$49.50

BC-AS-229 RECEIVER, 201 to 398 KHz and 2500 to 7850 KHz using plug-in coil sets. Uses tubes 37, 38, & 4/39's. Requires 230 VDC 80 ma and 12 V. 8x7x16, 15 lbs sh wt. Used, less tubes & coils \$9. With tubes/no coils, \$16.95



Unused (no coils), \$24.95
PLUG \$3. TUNE KNOB \$2. MANUAL, repro \$8.50

ARC-3 AIRCRAFT RADIO



T-67/ARC-3 TRANSMITTER, post-WW-II VHF set covers 100-156 Mhz AM using 8 preset crystal-controlled channels; 8 W power output. Uses DC-11-16-26 or CR-1 type crystals (not included). With tubes 2/832, 2/6L6, 3/6V6, 6J5, 12SH7. Requires 24 VDC and 410 VDC 325 ma. 7.5x12.3 x15.3, 24 lbs sh. Used, \$19.95

R-77/ARC-3 VHF RECEIVER, companion to T-67 and also operates on 8 preset crystal-controlled channels (not supplied.) With tubes 6AK5, 2/12S67, 2/12SN7, 12SH7, 12SL7, 12A6, 12H6, 9001, 9002. Requires 24 VDC and 210 VDC 210 ma. 6x11x14.3, 24 lbs sh. Used, \$18.95
SCHEMATIC for T-67 or R-77, \$1.50 each.



PHANTOM ANTENNA



GP PHANTOM ANTENNA as used with WW-II 350-9050 KHz aircraft transmitters to monitor RF at remote point. Has 3x1/2" rd 0-10 RF ammeter, 10 KV 0.0002 or 0.0003 mf G2 mica xmitting capacitors, 12-nickel-plated terminal posts in 14x12x9x3 aluminum case w/hinged top; 22 lbs. Unused \$28.

T-363/ARC VHF TRANSMITTER, 132 to 148 Mhz AM five channel crystal-controlled; operates from 24 VDC input. 5 W output; companion to R-19 receiver. 4.5x4.5x6, 6 lbs; used, \$16.

ANTENNA COUPLER



CU-872 ANTENNA COUPLER, handles upto eight receivers in the 2-32 Mhz range. Gain: 0 to 3 db. Noise figure: 6 db or better. Has 0-50 microammeter test indicator and circuit selector switch on front. 70 ohm input; type N connections. With tubes 20/6922, 0B2. Requires 115/230 VAC 50-60 Hz. 7x19x16.5, 40 lbs sh. Used-reparable, \$49.50
MANUAL for CU-872, partial repro, \$8.50

225-399.9 MHZ RECEIVER



R-278 RECEIVER, 225 to 399.9 Mhz AM; crystal frequency control for 1750 channels in 100 KHz steps; ten preset channels. Audio freq response: 200 Hz-20 KHz (wide), 200-5 KHz (narrow). Has AVC, squelch, and 44 tubes; unitized chassis, rackmount. 12x19x20, 115 lbs sh wt. Used, less guard channel, repro, \$125. \$100
MANUAL, partial repro, \$15. Schematic, \$2.50



R-836/ARN-59 DIRECTION FINDER RECEIVER, same as Aircraft Radio Corp R-30A DF receiver used in light aircraft. Covers 190-1750 KHz in bands 190-400, 400-840, and 840-1750 KHz; replaces AN/ARN-6 radio compass system. Can be tuned using push-on knob or remotely using C-2275 control box (not available) and MC-215 spline. IF 142.5 KHz; with tubes 2/5718, 5896, 5/5899, 3/5902, 2/6021, 6112. Requires 24 VDC 1 amp, 110 VDC 90 ma, 125 VDC 20 ma; also 3 V 100 Hz for loop selfsies if used for DF. Voltages originally supplied by DY-107 dynamotor (not available) 4.5x4.5x10.3, 9 lbs sh. Used, \$19.95
OPERATOR'S MANUAL, \$3. SCHEMATIC, \$2 w/set.
MC-215 SPLINE, 6', \$1.50
ID-637/ARN 3" dia COMPASS INDICATOR, \$8 w/set

R-518 VHF RECEIVER

R-518/FRR-27 VHF RECEIVER, single-channel crystal-controlled reception of AM or tone signals in the 100 to 156 Mhz range. Double conversion with IF's of 23 Mhz and 3 Mhz. Audio output: 1.5 watts into 200-600 ohms; 50 ohm balanced antenna input. W/squelch and tubes 3/12A7, 2/6AU6, 5654, 2/6AV6, and 6005. Requires 115 VAC 60 Hz; 6x19.5x18.8, 45 lbs. Used, \$40. Manual partial repro, \$10.



R-748/TRC VHF RECEIVER, single channel crystal-controlled in the 132-150 Mhz AM range; 1st IF 20.7 Mhz, 2nd IF 5 Mhz. Has built-in speaker and controls Volume, Sensitivity, and Squelch. Selectivity +/-20 KHz 6 db down; 52 ohm input impedance. Front panel hinged for access to RF chassis; tubes 2/0B2, 4/6AK5, 6A05, 6AX5, 2/6BA6, 2/6J6, 12A7, 12AX7. 115/230 VAC 50-400 Hz; 5.3x19 x13.3, 34 lbs sh. Used \$29.95; Schematic \$2.

FSK CONVERTER-INDICATOR

CV-1612 FSK CONVERTER & IP-725/FRA-86 INDICATOR SET, originally used with two R-390A receivers as part of large RTTY communications system; usable with any one or two receivers having IP's of 435 KHz. CV-1612 has selectable frequency shifts of 250, 500, 1000, 400, and 850 Hz plus position for optional frequency. Input bandwidth 1-2-4 KHz plus optional; has two 1.8" VU meters. IP-725 has 3" CRT display for monitoring either one or both signals. Two 150 VDC 150 ma modular supplies in IP-725 powers it and CV-1612; requires 115/230 VAC 50-60 Hz. Each unit 7x19x15, 125 lbs sh wt. Used-reparable with schematic, \$150.00





PAGING HORN

OUTDOOR PAGING HORN with sealed voice coil and 5" dia aluminum horn. Rated 15 watts 8 ohms. Includes mounting bracket. O/a 4 1/2" deep, 4 lbs sh. #BZL-0518, NEW, \$9.95

PLASTIC CASH DRAWER

RUGGED PLASTIC CASH DRAWER with keylock; a good item for the small business man or flea marketeer who wants to better organize and protect his or her receipts. Brown slide-out drawer has black removable tray with 13 compartments for currency, coins, checks, receipts, etc., adjustable dividers, and five spring-loaded currency retainers. Handsome textured black case has reinforced top. 5x19x21.8, 18 lbs sh. #PL-CD-685, NEW, \$29.50 \$35.00



NASA CONTROL PANELS

GROUND/GROUND INTER-COMMUNICATIONS PANEL appears to be high quality NASA surplus; has twenty-four 0.8" x 1.2" microswitch AML Hall-effect switches w/28 V lamps, 6-16 V sink. These switches are bounce-free type for use in digital circuits. Also has mechanical matrix 16-key keypad. 1.75" dia speaker, three Bourns 80-Series pots (25K/25K, 10K/10K, 25K/500) w/knobs; 6.3x11.5, 4 lbs sh. #66-COM-PL, removed, \$12.95

GROUND/AIR/GROUND CONTROL PANEL, has Microswitch AML Hall-effect switches; four 0.8" sq and four 0.8x1.2" single circuit, eight 0.8x1.2" dual circuit switches, plus four red and four red/green-dual LED's. Display/driver board has sixteen HP-5082-7740 7-seg 0.3" socketed displays, 3/ULN2004, 2/74C14, 14511, 14514 IC's. Button inscriptions can be re-worked. 4.3x11.5, 2 lbs sh. #GAG-PL, removed, \$9.95



DUAL RUNNING TIME

TWO ENGLER 2" dia 115 VAC running time meters with 5-digits + tenth hour indication, Sodeco 115 VAC 7-digit counter and three reed relays all in 3.5x8 x3.3 black metal box; 3 lbs. #2RTM-CB, used, good condition \$14.95



PROJECT ENCLOSURES

#SA-1499 TERMINAL BOX, usable as 9.5x7x5 project box; has two conduit holes one end, two connectors on other. Inside 15-term 3/4" barrier strip and P&B MH2300 12 VDC sealed relay; steel, 5 lbs. Used, \$2.95

#JB-416161 STEEL JUNCTION BOX, 4.1x6.1x6.1 with three knockout holes on each side for conduit. Dark gray; 5 lbs sh. NEW, \$4.50



#ENC/ROMII ENCLOSURE, designed for portable test instrument; cover telescopes and slide-snaps over slant-style bottom. Top handle and rubber feet on back and bottom. Slanted section 2"D min to 3.8"D max; o/a 8x8.5x5.3, 3 lbs. Unused, \$5.95

ALUMINUM ENCLOSURE and frame from antenna coupler. Adapt as-is or re-work; 7.5"H x 10"W x 10"D. Front has cut-outs for 1-3/4" sq meter and two connectors. Also removable 4.5"x2.5" insulator. 8 lbs sh. #ENC/180L, \$6.00



SPEAKERS

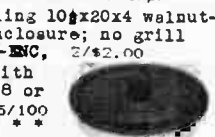
BOOKSHELF SPEAKER in walnut-grained vinyl-covered 7x10x2 1/2 enclosure. Has 4" dia 16 ohm 1 W speaker and 6 foot cord with RCA plug; 2 lbs sh. #ER-WD-SPK NEW \$4.50 ea 2/\$8.

SPEAKER PAIR in PLASTIC ENCLOSURES, each 4" dia 16 ohm 1 W speaker in attractive 6 1/2x6 1/2x5 1/2 enclosure with 6' cord and RCA plug. White & black plastic per plo; 4 lbs sh wt. #ER-PL-SPK-PR NEW \$3.95/pr

SPEAKER WRAP for assembling 10x20x4 walnut-grained vinyl-covered enclosure; no grill cloth. 7 lbs sh. #ER-SPK-ENC, 2/\$2.00

5 X 5 SPEAKER, 2 watts with 1 1/2" dia magnet. Specify 8 or 16 ohm 1 W; 1 lb., \$1.35; \$95/100 *****

100 - 500 LOT PRICING available on all above.



PAGING MIC

MUZAK MBL MULTI PAGE MICROPHONE, dynamic 150 ohm mic, designed for paging and frequency scanning for three page zones. One "all-call" switch. Usable with amplifiers having input impedance of 50 to 250 ohms. 10,000 Hz frequency response. With four SPDT rocker switches and 10 foot 8-conductor cord; 3 lbs sh. #MBL-MIC. NEW, \$24.95 \$19.95



3-WAY FOOT SWITCH

MOLLENSACK DELUXE 3-WAY FOOT CONTROL, large "play" pedal switch has two smaller bar-type switches for "rewind" and "fast forward". Switches are each rated 15 amp 115/230 VAC or 0.5/0.25 A 115/230 VDC; 6 foot four-conductor cord included. 1.5x7x5.5, 2 lbs sh wt. #FSW-A0548, NEW, \$8.95



FULL RANGE

4" DIA HIGH QUALITY 8 OHM FULL RANGE SPEAKER, heavy 3" dia x 0.9"H magnet for cone. Excellent sound; 1 lb 10 oz net. 3 lbs sh.. #AST-180-040. NEW, \$8.95 \$7.50



20 HZ STATIC RINGER

20 HZ INVERTER MODULE, used in telephone equipment to produce 20 Hz 65 volt 50 ma ringing signal from 110 VDC 65 ma input. 3.4x2x3, 2 lbs. #E10/TA182 used \$7.95



PROJECT BOXES

ALUMINUM TRANSIT CASE, originally for test meter but easily adaptable for your project; interior 11.6"Lx8.2"Wx5.3"D. Hasp fasteners; one pair retain top cover. O/a 14.3x10x7.4; 6 lbs. #CS-TCC-11, used, \$6. 2/\$10.

PROJECT CHASSIS, nice 10x12x3.5 size w/capacitors 50000 & 4700 mf 25 VDC; 7 lbs. #CH-3REG, used, \$4.

#CS-48, steel outer CASE-ENCLOSURE for BC-191/375 tuning units; black finish, no top. 7.8x16.8x7.9, 3 lbs sh. \$3.00 ea; 2 for \$5.



TELESCOPING STAND

PROFESSIONAL QUALITY TELESCOPING STAND two 20" long chrome sections; bottom 1.1" dia, upper 0.9" dia. Steel triangular base has 2" dia casters and is 20" across caster to caster. Removable 7" long bracket can be used to mount small item such as speaker, test instrument, etc. (A third telescoping section could be added to really increase possible uses.) 27 lbs. #2020-TST, used-good \$24.95 \$18.95



TRANSISTOR AUDIO AMP

TRANSISTOR AUDIO AMPLIFIER w/5-transistors, on-off-volume and tone controls. Inputs for ceramic or crystal phono cartridges. Other possible uses as homebrew receiver, intercoms, child's projects. Use with 8 or 16 ohm 3" or 4" speaker. Req 6-9 V AC or DC; with schematic. 1 1/2x2 1/4x3 1/4. #ER-10-1231 NEW \$2.95; 2/\$5.00 -100, 500, 1K LOT QUANTITY PRICES AVAILABLE-



ENCLOSURES

STEEL CABINET with lift top for 7"Hx14"Wx8"D panel. O/a 8x16x8 1/2, 7 lbs. #SK-CAB7148, used, \$5.95

PANEL with miscellaneous parts f/above, \$1.50

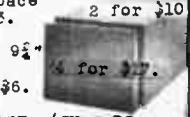
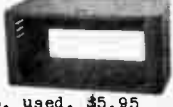
CY-2126/TRC CABINET w/115 VAC 5" fan on rear; f/panel 19.3"Hx19"Wx14.5"D. 30 lbs. Used \$22.

#1313/60 CABINET, 13x19x13 for 12"H panel; top door, 38 lbs sh. Used-good, \$14.00

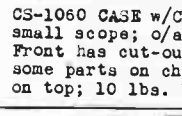
#34-PYE CABINET, 34"Hx21.5"Wx15.5"D f/31.5"H panel; rear door. Steel; 80 lbs. Used, \$22.

PYE/CAB CABINET, 16x19x14 space 2 for \$10 o/a 17x21x14 blue, used \$13.

FILE CABINET for items upto 9 1/2" wide X 8 1/2"H; o/a depth 24". Steel, O.D. green; 14 lbs. \$6.



CS-618S1 CASE w/CHASSIS, 15 1/2"Wx8"Hx23 1/2"D (20"D behind panel). Some cut-outs on front; may be usable for antenna tuner or transmatch project. Aluminum; 20 lbs. Used \$12.



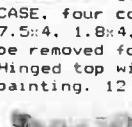
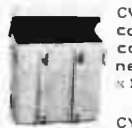
CS-1060 CASE w/CHASSIS, p/o small scope; o/a 8"Wx7"Hx13"D. Front has cut-out for 3" CRT; some parts on chassis. Handle on top; 10 lbs. Used, \$8.95

STORAGE CASES

PLASTIC STORAGE CASE, rugged but light with hinged top, hasp fastener, and recessed top grip. Two glued spacers; interior 7.5x6.3x5.3. Handy item for shop; 2 lbs. #CS-PL-SR, used, \$2.95, 2/\$5.00

CV-425 ALUMINUM CASE with rounded corners; sturdy single compartment construction with hasp-type fasteners. Interior 9.3x10x5.8, 6 lbs sh. Used \$6.00

CY-693/PDR ALUMINUM CASE, four compartments 3.5x4.75x4, 1.8x4, and 13x6.5; may be removed for 13x10 size 9" deep. Hinged top with hasp fasteners; may need repainting. 12 lbs sh; used, \$8.00



FIBERGLASS CASE with carrying handle and six hasp fasteners; lid not hinged. Lower section 13.5x8x9; cover 3.5" deep. Has fittings and rubber shocks to be removed. #FIB-SR-684 11 lbs sh; used, \$7 ea; 3/\$15.



#CS-TH-14 ALUMINUM TRANSIT CASE with hasp fasteners; interior 17.5x19.5x8. 22 lbs sh wt; used. \$10.00

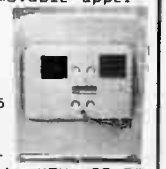
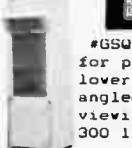
#CS-URM11 METAL-CLAD CASE, top hinged, side handles and fasteners. 10x15.5x12.5, 18 lbs. \$12



EQUIPMENT RACKS

#GSU-19-80 RACK, o/a 80"Hx24"Wx26"D for panel 73x19; has rear door, 24"H lower front door and removable upper angled mount for easy viewing of 7"H panel; 300 lbs sh. Used, \$100.

MCLEAN EQUIPMENT BLOWER RACK, rackmount assembly has dual 115 VAC 60 Hz 1.6 amp 1700 RPM blowers, top & bottom slide-in filters, and line cord; 5"D behind panel. 23x19x8.3, 35 lbs sh. NEW \$29.50



R-390A/URR HF RECEIVER



R-390A/URR RECEIVER famous military set covers 0.5 to 32 MHz AM-CW-MCW in 31 one MHz bands read directly on mechanical digital counter. 455 KHz final IF; has four Col-lins mechanical filters allowing 2-4-8-16 KHz selectable bandwidth. Calibration points every 100 KHz; also BFO, AGC, dial locks, 600 ohm audio out, Line and Carrier Level meters. Rackmount; no covers. Requires 115/230 VAC 60 Hz. 10.5x19x16.8, 95 lbs (UPS)

2 pkgs). Used-repairable, less meters, \$175. CHECKED, complete, \$345. Less meters, \$295. MANUAL, maintenance, partial repro, \$15.00

R-390A "AS-IS", less meters, 3TF7, BFO, and covers; "visually inspected" only, \$135.00
+++++

Good used REPLACEMENT PARTS for R-390A.

Specify chassis part numbers when ordering:

AUDIO AMP, repairable \$18. Checked, \$30.

CLAMPS for gears (specify gear), \$1.50 ea

COUNTER DIAL, mechanical, \$15.00

CRYSTALS, 200 KHz (when available), \$18.

CRYSTALS, specify frequency \$10 ea; 5/35

CAPACITOR C-603 or C-606, \$6.00 each

DIAL LOCK assembly with knob, \$10.00

DIAL ZERO shaft with knob, \$10.00

FILTER, BANDPASS FL-601, \$10.00

FILTER, MECHANICAL, checked: 2 or 4 KHz \$35

8 KHz, \$27. 16 KHz, \$20. SET of four, \$85

GEARS, #39 or #21, \$6.00 ea

GEARS, other than above, \$3 ea; 5/#10.00

KNOBBS, Megacycle or Kilocycle, \$6.00 ea

KNOBBS for RF, IF, Audio etc., \$1.50 ea

KNOBBS f/Ant Trim, Dial Lock, etc., \$1.25 ea

POTS for RF/IF, Audio, Meter Level, \$2 ea

PTO/VFO assembly (not Collins), checked \$40

POWER SUPPLY less 2z5 tubes, \$30.00

PTO/VFO if Collins manufacture, \$60.

RELAY, ANTENNA, \$15.00

RESISTOR TUBE, RT510/ F7/3TF4/3TFV4, \$12.

SLUGS for RF transformers, \$4.00 ea

SLUG RACKS with springs, \$3.00 ea

SWITCH, On/Off/Standby, \$5.00

SWITCHES f/front panel except above, \$3 ea

TRANSFORMER, audio output, \$9.00 ea

TRANSFORMERS, RF or IF, \$8.00 ea

IF AMPLIFIER DECK, checked, \$150.00

Meters and complete RF decks not available.

FACSIMILE TRANSCIVER



STEWART-WARNER MODEL 180 DATAFAX TRANSCIVER, facsimile machine designed to send and receive printed matter and images over telephone lines or private wire. Produces up to six shades of gray.

Drum scanner speed: 180 RPM; 6 minute transmission time for

60x11 message. Receives 1500-2500 Hz signal; 2150 Hz required to activate demodulator. Select manual or automatic operation modes. Uses 200' rolls of facsimile paper (not available). Units tested for basic send-receive; some adjustments may be necessary. Schematic & info packet included. Requires 100-127 VAC 60 Hz. 16x12x21, 70 lbs USED, \$85.00

WW-II VEHICULAR RADIO

BC-620 TRANSCIVER, part of SCR-509-510 radio set as used in World War II vehicular communications. Receives and transmits over 20-27.9 Mhz FM range on any two of 80 different crystal channels spaced 100 KHz apart. Transmitter output: 1.2 watts. Has tuning meter and tubes 12C6, 1LH4, 4/1LNS



2/1291, 1294, 4/1299. Uses FT-241 crystal-type (not included) and requires 1.5 VDC 0.7 amp, 90 VDC 45 ma, 7.5 VDC 0.3 A, 150 VDC 45 ma. Size: 12x16x21, 40 lbs. Used, \$59.50

CS-79 BATTERY BOX for manpack use of BC-620 or BC-659; 17 lbs sh. Used, \$6.

SCR-509/510 MANUAL, partial repro, \$10.

SCR-609/610 (BC-659) MANUAL, \$7.50

TS-13 HANDSET, \$14.00 with purchase of set.

WW-2 BACKPACK RECEIVER



BC-728 RECEIVER. WW-II portable or vehicular unit for the 2 to 6 Mhz AM range; four push-button tuned bands 2-2.6, 2.6-3.5, 3.5-4.5, and 4.5-6 Mhz. Has volume control, phone jack, and built-in speaker. Requires 2 VDC 1.85 amp input originally supplied by BB-54 battery (not available). W/tubes 3/1T4, 1R5, 1S5, 3S4, and vibrators VB-8-9. Radios part of SCR-593; reconditioned for the Italian Army. 11.5x6.3x5.3. 26 lbs sh; \$49.50

AN-75 WHIP ANTENNA for BC-728 w/carrying strap; extends 12"-84". \$12 w/set.

FT-338A VEHICULAR MOUNT, 8 lbs. \$12 w/set.

CD-618A BATTERY CABLE, \$5.00 w/set.

MANUAL for SCR-593, partial repro, \$8.50.

VB-8 or VB-9 VIBRATORS for spares, \$2.00 ea.

SWR INDICATOR CIRCUIT



STANDING-WAVE RATIO INDICATOR CIRCUIT, assemble a SWR meter using this 1 1/2" square 0-10 scale (FS=2 MA) meter with

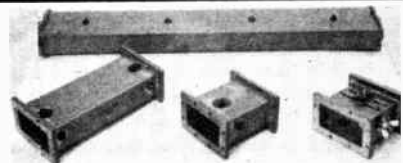
filters and rectifiers and a modified Schering bridge. One pair of bridge arms is resistive, the other capacitive. In theory the bridge circuit is balanced when the antenna is tuned to 52 ohms resistive resulting in a zero reading on the meter. 30-239 connector. Bridge: 2x2x1; 2 lbs. #M701/CU-991, \$8.95

PHASE AND LOAD DISCRIMINATOR

could be useful in tuning an antennas system, if used in circuit with a sensitive zero-center microammeter. Phasing and loading discriminator produces ±DC voltages proportional to the reactance of a system. Phasing output shows the type of reactance (capacitive or inductive) and the loading's indicates the amplitude of impedance referenced to 52 ohms resistive. In both cases zero DC output is ideal (may not be obtained in practical circuit). A third output is proportional to relative antenna current. 2x3x5; 2 lbs. sh #T201/CU-991 w/diag., \$4.95



3.7-4.17 GHz WAVEGUIDE



COPPER WAVEGUIDE, 2"x1" size for the 3710 to 4170 Mhz range; Western Electric manufacture, removed from telephone installations. Filters are tuned to preset frequency; adjusting screws can be reset to desired frequency. No further information available.

#1301-Series FILTER with four adjusting screws; 18 1/2" length, \$24.95

#1303-Series FILTER, two top and two side adjust screws; 6-11/32"L, \$17.95

#1300-Series FILTER, one top and one side adjust screw; 3-5/32"L, \$12.95

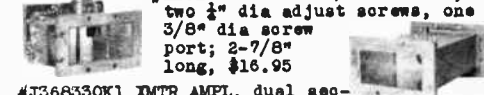
#400-Series TUNER, two 1/2" dia adjust screws; 2 1/2" long, \$14.95

#ED51566-30 TUNER/TRANSDUCER, two 1/2" dia adjust screws, one 3/8" dia screw port; 2-7/8" long, \$16.95

#J368330K1 XMTR AMPL, dual section 2-5/32" and 1 1/2" variable internal port; o/a 4 1/2"L, \$19.95

#ED53919-31 AMPLIFIER with 416B tube with 3/8" dia screw port adjacent to tube grid cap; assembly silver-plated brass. O/a 5 1/2x3 1/2x1-3/8, 4 lbs sh. \$27.95

Mating 6-prong connector, \$2.00



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#ED53919-31 AMPLIFIER with 416B tube with 3/8" dia screw port adjacent to tube grid cap; assembly silver-plated brass. O/a 5 1/2x3 1/2x1-3/8, 4 lbs sh. \$27.95

Mating 6-prong connector, \$2.00

#J368330K1 XMTR AMPL, dual section 2-5/32" and 1 1/2" variable internal port; o/a 4 1/2"L, \$19.95

#ED53919-31 AMPLIFIER with 416B tube with 3/8" dia screw port adjacent to tube grid cap; assembly silver-plated brass. O/a 5 1/2x3 1/2x1-3/8, 4 lbs sh. \$27.95

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Mating 6-prong connector, \$2.00

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Mating 6-prong connector, \$2.00

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Mating 6-prong connector, \$2.00

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Mating 6-prong connector, \$2.00

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Mating 6-prong connector, \$2.00

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Mating 6-prong connector, \$2.00

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#ED53919-31 AMPLIFIER with 416B tube with 3/8" dia screw port adjacent to tube grid cap; assembly silver-plated brass. O/a 5 1/2x3 1/2x1-3/8, 4 lbs sh. \$27.95

Mating 6-prong connector, \$2.00

CV-157 SSB CONVERTER



CV-157/URR SINGLE SIDEBAND CONVERTER, dual channel converter designed for use with R-390 and R-390A receivers but is usable with any receiver having 455 KHz final IF. Unit will deliver single channel output to operate teletypewriter or facsimile. When twin single sideband emission is used, CV-157 will provide two separate channels of output. One channel can handle RTTY and the other FAX and voice. Input frequency adjustable 450-510 KHz; converter IF center and carrier filter bypass 100 KHz. Separate VU and Carrier meters, SB Select "A-LSB-B/USB-A", AGC Select "REC-CAR-LSB-USB-TSB", squelch and drift alarms, and 44 tubes. Requires 105-125/210-250 VAC 50-60 Hz; 15.8x19x15, 125 lbs sh. Used-less meters, \$150.00 MANUAL for CV-157, partial repro, \$15.00

2 - 12 MHZ RECEIVER

RECEIVER SECTION from GRC-9 backpack transceiver, 2-12 MHz in 3 bands AM-CW; 456 KHz IF, 200 KHz calibration points. Controls for AF and RF gain and headset jacks. With tubes 2/1L4, 3/1R5, 1S5, 3Q4; less grid bias battery. Requires 1.4 VDC 450 ma & 105 V 20 ma. 5x10.5x6.8, 10 lbs. #RX/GRC-9, used, \$28 TRANSISTORIZED 24 VDC SUPPLY adaptable for above; info included. #24VPS-GRC-9, \$12.00



RECEIVER SECTION from GRC-9 backpack transceiver, 2-12 MHz in 3 bands AM-CW; 456 KHz IF, 200 KHz calibration points. Controls for AF and RF gain and headset jacks. With tubes 2/1L4, 3/1R5, 1S5, 3Q4; less grid bias battery. Requires 1.4 VDC 450 ma & 105 V 20 ma. 5x10.5x6.8, 10 lbs. #RX/GRC-9, used, \$28 TRANSISTORIZED 24 VDC SUPPLY adaptable for above; info included. #24VPS-GRC-9, \$12.00

LS-166 SPEAKER



LS-166 SPEAKER housed in cast-aluminum case with cable and U-77 audio plug for use with RT-70/AM-65 and similar family GRC/VRC radio equipment. 4" dia speaker has heavy-duty PM magnet; also 600:8 ohm audio transformer and HI-LO switch. 5x5x3.3, 5 lbs. Used, \$12.00



TCS SPEAKER-CONTROL UNIT, has 5" dia permanent magnet 6 ohm speaker, 500 to 6 ohm audio transformer, volume control, headphone and mic jacks, and three toggle switches. 5x7x3 1/2, 8 lbs. #TCS-23270, \$12.95

BANDPASS FILTER



F-237/GRC BANDPASS FILTER, designed to operate from 54 to 70.9 Mhz using dial tuning. Bandwidth: 250 Khz @ 3 db points or 4.5 Mhz @ 40 db points. 50 ohm output and input impedance. Unit consists of a 3-gang variable capacitor coupled to 3 sets of three sealed cavities. Type C connections. F-237 has conversion possibilities for 6- and 2-meter amateur applications. An article about these by W. Tucker, W4FXE, appeared in 12/80 issue of Ham Radio. 5x11x11, 17 lbs. \$19.95

CODE PRACTICE SET



AN/GSC-1 CODE PRACTICE SET designed for student practice of Morse code, accommodating upto 10 keys. Hand keying produces either an audio tone with adjustable volume and pitch or a blinker flash. Has effective range of

40 ft. if background noise is less than 60 db. Can be operated from 6, 12, 24, or 115 VDC or 115/230 VAC. With built-in speaker, blinker, volume and pitch controls and tubes 6X5 and 2/6AK6. Keys not included. 13x11x11, 58 lbs sh. Used, \$14.95; MANUAL, \$7.50

PHONE JACK STRIPS

TELEPHONE JACK STRIP. 24 jack pairs plus a monitor jack/pair; adjustable 6x26 terminal block on chassis rear. 3.5x19x15, 15 lbs. #J-2098, used, \$28.95 \$22. #J-2097 JACK STRIP, 24 pairs, 3x26 terminal block; 2.8x19x15, 12 lbs. Used, \$20.95 \$15. #24-SWB-PP, similar to J-2097 except no chassis or 3x26 terminal block; 2.1x17.8 x3.8, 6 lbs sh. Used, \$18.00 \$14.00



BANDPASS CAVITIES



FULL-LENGTH TWIN-CAVITY BANDPASS FILTERS, 9-1/8" length; gold-plated. Similar to filters described in W4FXE's article in 2/80 Ham Radio Magazine. 8 lbs sh wt. \$22.00 each

F-240 (67-76 Mhz) F-239/U (58.5-67 Mhz)
F-241 (76-84 Mhz)

SHORT-LENGTH twin-cavities, \$17.50 each.

F-196/U (184-205 *) F-201/U (284-314 Mhz)
F-199/U (224-254 *) F-202/U (314-344 *)
F-200/U (254-284 *) F-203/U (344-374 *)
F-204/U (374-404 *)

TA-1/PT TELEPHONE



SOUNDPOWERED TELEPHONE SET WITH AUDIBLE AND VISUAL CALL SYSTEM PALM OPERATED GENERATOR PUTS OUT APPROX. 100 V. THAT SOUNDS BUZZER IN OTHER PHONE AND ACTUATES VISUAL INDICATOR. COILED CORD WITH PUSH TYPE BINDING POSTS FOR INTERCONNECTING WIRES TO BE FASTENED TO. COMES WITH FIBER CARRING CASE. SIZE: 8x3x3 1/2; WT: ACT 2LB USED \$26.00 EACH

OSCILLATOR

TRANSISTORIZED CRYSTAL OSCILLATOR and BUFFER, 56 to 99 Mhz with 75 C temperature controlled oven. Requires 5th overtone HC-6 (20 pf) x-tal (not incld). Has external oscillator input and tuning meter and oven output. Requires 12-18 VDC reg. for osc., 22-39 VDC 1 amp for heater. W/BNC and two submini 27 (UG-1465) connectors, power input DEC 9P connector, and schematic. 6x2x3 1/2, #OSC99028, \$8.



MAGNETO PHONES

MAGNETO TELEPHONES for two-wire communications from a fixed location to another. Desk and wall types available; each with handcrank ring for generator, bells, and standard handset w/common U-1 and T-1 elements. 3 V required for voice circuit; Northern Electric type. Black; used checked. #D-NE-111 desk type; 5x6 x8.5, \$24.95 \$34. #W-NE-111 wall type; 5.8x9x4.5, 9#. \$45 \$35.



FIELD TELEPHONE

EE-8 FIELD TELEPHONE, portable hand-ringing magneto type for use where radio communications are not feasible. Two or more can be used in two-wire system up to 17 miles in length. Connect with two conductor wire; GN-38 handcrank generator signals transmission and MC-131 bell alerts of call. Two "D" cells required to operate TS-9 handset. With carrying case and strap. 8x10x3.5, 19 lbs. Used, \$50 \$40. MANUAL, \$5.

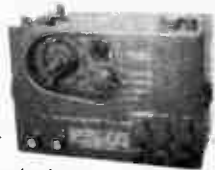


TA-43 FIELD TELEPHONE, rugged light-weight unit replaced EE-8 and can be used with them. Includes G-42 handcrank generator, BZ-3 clack-ringer call-signaler, H-60 handset, and canvas carrying bag w/strap. 12x7x4, 12 lbs. Used-checked, \$65. MANUAL, repro, \$8.50



RM-39 FIELD CONTROL

RM-39 CONTROL UNIT allows EE-8 or similar field phone to remotely transmit and receive AM and CW radio communications. Has GN-38 handcrank generator, MC-131 bell, selector for Telephone-Through-Radio-CW, and plugs & jacks for Headset, Key, and Mic. Requires 4.5 V, 15 V, and 3 V from batteries (not available). 5x6x9.3, 16 lbs sh. Used, \$14.95; CS-76 CANVAS BAG, \$5. MANUAL for RC-289 including RM-39, \$7.50



WESTON 370

WESTON MODEL 370 PORTABLE AC-DC METER, scale 0 to 5 amps AC or DC with rated accuracy of 0.25%. Large 5" mirrored scale; nice cherry-finished wood case. 8.3x10.5x5.5, 10 lbs. #370-SACRC, used, \$45.



TURRET ATTENUATOR



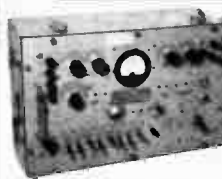
VARIABLE COAXIAL TURRET ATTENUATOR, 0 to 60 DB in six DB steps. Utilizes individual silver plated attenuation elements for each range engaged with a pull-rotate-push movement of the knob; 5.5" dia dial and female "N" connections. 7"Lx5" dia.; 6 lbs sh. Lorch #VA 112-6, used \$49.50

LANGUAGE LAB RECORDER



LANGUAGE LAB TAPE RECORDER, solid state design, made by General Electronics Lab. Has three heads: one playback only master head on one track and the other two, playback and record, on a second student track. Uses standard 1/2" audio tape on upto 7" reels at speeds 3 1/2 and 7 1/2 ips. In practice, one can monitor the master "instructor's" track while recording responses on the student track. The student track can be played back simultaneously or separately from the master track depending upon control selection. The master track, which plays in one direction only, can be recorded upon or erased by switching plug-in wires from the student track heads. Besides its original usage, the recorder could be useful for code practice of for sound-on-sound sound audio experimentation. Audio response approx. 300-8000 Hz. Controls for student and master volume, playback-practice select, pause, and the other standard recording functions. Also three motors for very rapid fast forward/rewind, audio level meter, footage counter, 4" built-in speaker, and four plug-in circuit cards for audio, master audio, student audio, and bias oscillator. Uses common 2N2836 and 2N3702 transistors. Tape and reels not included; microphone and schematic not available. Requires 115 VAC 60 Hz. 18x16x8 1/2, 36 lbs sh. Schematic included. Used, repairable, \$19.95; Checked, \$45.00

TELEPHONE TEST SET



I 142/PTM-6 TELEPHONE TEST SET, measures characteristics of telephone and related equipment including these operations: 1. Sound source for mics and receivers; 2. Efficiency test for mics and receivers; 3. Capacitor test for leakage resistance; 4. Generator test; 5. Ringer test; 6. Insulation test; 7. Dial test indicating percent of pulse period; 8. Continuity test; 9. Instrument tests such as 600 ohm circuit for sound-powered equipment; 24 V. DC-AC res. circuit for common battery phones; impedance matching circuits for carbon and magnetic mics and receivers. Meter has scales -10 to +6 DB and 0-100 VDC. Requires external batteries for 3, 12, 24, and 135 VDC. Batteries not available. 19x12 x9, 46 lbs sh. I-142, used, \$59.50 \$49.50 TS-903/PTM-6A, more recent; 65 lbs., \$65.00

AM-4531 POWER AMP



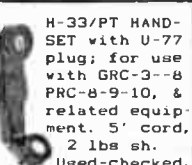
AM-4531/GR VHF LINEAR POWER AMPLIFIER by Granger Associates; designed for 120 to 152 MHz range to deliver 50 watt output from 10 W input. Uses 8122 tube in F-A. Has 2.5" rd multimeter with seven position switch to monitor Plate to 2 KV, Screen to 1 KV, Plate RF Peak to 1 KV, Bias to -100 V, Forward Power to 100 W, and Reflected Power to 100 W. Also 2.5" rd 0-300 ma Plate Current meter, Loading and Coupling controls each with lock, and Bias Adjust. Requires 105/115/130/210/230/260 VAC 47-400 Hz. 7x19x14.5, 50 lbs. Used-not tested, \$150.



HS-23 HEADSET, 2K ohm using R-14 elements and unused grey plastic headband; 4 1/2' cord w/plug. Less cushions, \$9.25
HS-23 w/HB-7 brown headband (not U.S. mfg), 18" cord and PL-354 plug, **WHITE**

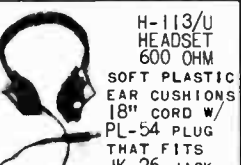


#2A/CAN3538 dynamic headphones, 125 ohm impeded; **MOVING COIL-TYPE, QUALITY REPRODUCTION. ADJUSTABLE CANVAS STRAP FITS ON TOP THE HEAD; STEEL-BAND BEHIND. WITH CHAMOIS CUSHIONS, "H" CORD, AND PHONE PLUG. UNUSED, \$5.95**



H-33/PT HANDSET with U-77 plug; for use with GRC-3-8 PRC-8-9-10, & related equipment. 5' cord. 2 lbs sh. Used-checked, \$15.00 ea

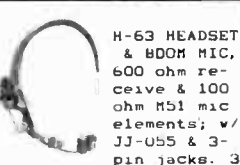
Western Electric Sound-Powered 1024 ohms D-173016 trans. new \$3.00 ea.
 Carbon Elements F-1 Mic. \$1.50 Lip Mics: M-51 M-6 M419 etc. \$1.50 Telephone elements: U-1 or T-1, \$2.00



H-113/U HEADSET 600 OHM SOFT PLASTIC EAR CUSHIONS 18" CORD w/ PL-54 PLUG THAT FITS JK-26 JACK (SEE CD-307 EXTENSION CORD ELSEWHERE ON THIS PAGE) **WT: 3LBS. USED-EX \$4.95**

CW49505 HEADSET like H-113 except black and has provision for snap-on CW-51071 lip mic listed below. Used-excellent \$4.95

CW-51071 LIP MICROPHONE 100 OHMS IMPEDANCE w/ 2 SNAPS FOR FASTENING TO H-62 HEADSET, 14" CORD w/ PL-291 PLUG INTO EXTENSION CORD CD-318 LISTED ON THIS PAGE OR CW-49561 EXTENSION CORD LISTED BELOW **USED \$1.00**



H-63 HEADSET & BOOM MIC. 600 ohm receive & 100 ohm M51 mic elements; w/ JJ-055 & 3-pin jacks. 3 lbs sh. Used, \$12 \$9.95



AN/GSA-6 CHEST GROUP, push-to-talk switch SA-142 & CX-1077 cable with U-77 plug connects H-63 with GRC radios. Includes canvas straps: 2 lbs. Used \$8.00 \$5.95

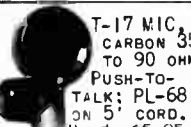


WESTERN ELECTRIC D173213 CHEST SET 50 ohm mic, 250 ohm HS-30 headset, 7' cord w/PL-58 plug; 3 lbs. Unused, \$15.

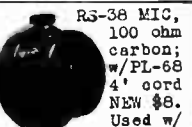


HS-30 HEADSET 250 OHM IMPEDANCE hearing aid type light weight headband 7 1/2" cord w/spade lugs that wire into CD-604 or CD-605 cord for 4000 ohm Used, \$7.50

4" CHAMOIS CUSHIONS for use with HS-23 or HS-33, #M301 NEW \$4.00 RUBBER CUSHIONS #MC-162 2 1/2" \$1.00 MX-41 2 1/2" \$1.25 **HB-7 HEADBANDS:** Grey \$3.25; Br \$3



T-17 MIC, CARBON \$5 TO 90 OHM PUSH-TO-TALK; PL-68 ON 5' CORD. Used, \$6.95 Reconditioned, \$12.00



RS-38 MIC, 100 ohm carbon; w/PL-68 4' cord NEW \$8. Used w/ coil cord \$7. New, not U.S. \$6.

HS-230 HEADSET w/350 ohm elements as used in HS-30; soft 3 1/2" velour cushions, leather headband, & 18" cord w/PL-54 plug. Unused, \$9.95

CX-1334 CABLE, adapts H-113 or CW49505 to PRC-equip (JK-26 jack and U77 plug, \$4.

JK-38 PHONE JACK FOR INLINE USE, TAKES TWO PL-55 PHONE PLUGS \$1

PUSH BUTTON SWITCHES FOR HANDSETS THAT USE BUTTERFLY TYPES. DIRECT REPLACEMENT. #5930-327-7308 \$1.25

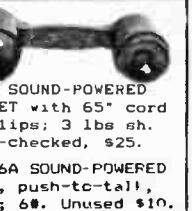


CARBON MICROPHONES 50 OHM F-1TYPE PRESS TO TALK No. C-3 (LEFT) 4' CORD PL-55 PLUG UNUSED \$4.95 No. 2/10A/1422 (RIGHT) 4 1/2' FT. CORD PL-68 \$3.95

SWITCHBOARD CORD 4' w/PL-47 #8D-96 \$1.50



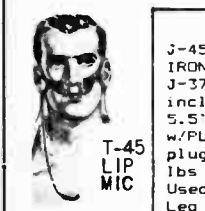
TS-10 SOUND-POWERED HEADSET with 65" cord and clips; 3 lbs sh. Used-checked, \$25.



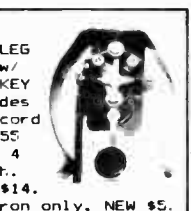
#M-236-6A SOUND-POWERED CHEST MIC, push-to-talk, 18' cable; 6#. Unused \$10.

TS-9 HANDSET with butterfly switch as used on EE-B and similar field phone equipment; 2 lbs. Used, \$9.95

4-23 HANDSET, push-to-talk; cord w/PL-68 & -55. Like TS-13; unused, \$16.



T-45 LIP MIC



J-45 LEG IRON w/ J-37 KEY includes 5.5' cord w/PL-55 plug. 4 lbs sh. Used \$14. Leg iron only, NEW \$5.



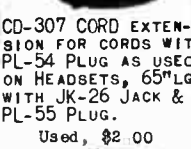
T-30 THROAT MIC.



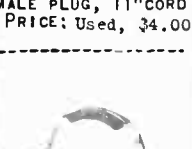
T-30 MICROPHONE CARBON TYPE, 75 OHM 50DB BELOW 1 MILLIVOLT, FLAT RESPONSE WITH PL-291 2 COND MALE PLUG, 11"CORD UNUSED, \$3.00

CD-307 CORD EXTENSION FOR CORDS WITH PL-54 PLUG AS USED ON HEADSETS, 65" LG WITH JK-26 JACK & PL-55 PLUG. Used, \$2.00

CD-508 CORD ASSY for headsets w/ SW-141 switch, PL-68 plug, and JK-48 jack; like CD-318 but SW-141 does not "lock". Unused, \$4.50

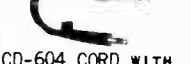


CD-604 CORD WITH IMPEDANCE MATCHING TRANSFORMER 500OHM TO 4000, USED WITH HS-30 HEADSET, 6" CORD & PL-54 PLUG. Unused \$1. Used 60¢



H-113/AIC HEADSET with noise-shielded mic; sound-powered set designed for aircraft inter communications. Has 24" cord with U-93A plug; David Clark mfg, 4 lbs. Used-checked, \$40. Less mic, \$27.50

CX-2950 CORD, 10' PL-55 one end and PL-68 on other. Unused, \$2.50

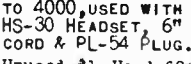


CX-2951 CORD, 10' with PL-58 on both ends, \$2.65

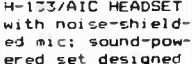


CD-605 CORD SAME AS CD-604 ONLY 30" LG. WITH PL-55 PLG. Used, \$2.00

PL-68 MIC PLUG 30" Used, \$1.00

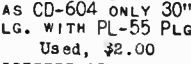


PL-55 PHONE PLUG 30" CORD \$1.00



JK-34 PHONE JACK TO FIT PL-55 PLUG. Used, 3 for \$1.

JK-33 JACK TO FIT PL-68 MIC. PLUG. Used, 3 for \$1.00



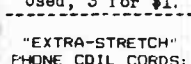
COILED CORD SETS

Three conductor, 24" to 72" 75¢ 12" to 36" 50¢

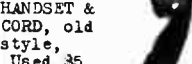
"EXTRA-STRETCH" PHONE CDIL CORDS: #T425-MOD, 4 ft to 25 ft extension with modular jacks; tan. NEW, \$3.95 #B212-LUG, 2 ft to 12 ft with terminal lugs; 4-cond., black. NEW, \$2.50

BLACK STANDARD TELEPHONE HANDSET & CORD, old style, Used \$5. Newer-style used \$3.00

3-cond. in colors 18"-36"; green, red, lt. blue 50¢ Grey or pink, 3/1



MIC CORD, 1-wire shielded, 2-wire not; 30"-42", \$3.



DOUBLE PLUG D178542 for headset; similar to type 289 and 298. Used, \$2.50

MIC CORD, 1-wire shielded, 2-wire not; 30"-42", \$3.

CONTEMPRA PHONE

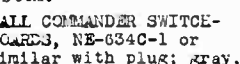
Modern CONTEMPRA PHONE, quality Northern Telecom manufactured with key pad, ringer, coil cord, and module jack. Low profile; looks sharp on desk or wall. Specify 1st-2nd-3rd color choice: Gold, yellow, brown, beige, almond, white, green, blue, red, and orange. Nice phones at a nice price "as removed from service." 6 lbs sh. #NNE-CON-PH. complete-not checked, \$14. 2/\$25.

STANDARD TELEPHONE EQUIP.

All of our standard telephone equipment is sold as "used-complete" only unless otherwise noted. Some adjustments may be required so that the equipment conforms to your local telephone company's system.



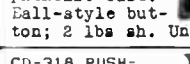
CALL COMMANDER SWITCHBOARD, NE-634C-1 or similar with plug; gray, green, or beige colors: 11-line 1-hold \$22.95 \$14 17-line 1-hold \$28.95 \$16



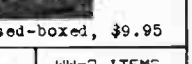
3-LINE 3-HOLD AE 87 DESI PHONE lines each with "hold" buttons buzzer-type call signaler using 5823 tubes. With handset. coil cord, 3' cable w/terminal lugs, mount hardware; black, 6 lbs. Unused \$27.95 \$22.95

FLAMEPROOF KEY

J-5A FLAMEPROOF KEY, early U.S. #W-II vintage; 3-1/8x2-5/8x3/8 phenolic base. Ball-style button; 2 lbs sh. Unused-boxed, \$9.95



CD-318 PUSH-TO-TALK SWITCH w/lock. Has 7' cable w/PL-68 plug. JK-26 jack, & straps Use with T-30 throat or T-45 lip mics; 2# sh. Used, \$5.



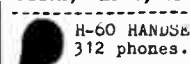
WW-2 ITEMS TD-3 new \$7. TD-4 new \$7. T-26 new \$7. T-39 new \$8. T-46 new \$7. H-12 new \$7. 4-18 un \$8. H-19 un \$15. SE74 used \$7

JEN-20 HANDSET w/AMPLIFIED receiver for the hearing impaired; Black, white, or beige. NEW \$15.

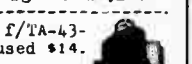
OPERATOR HEADSET

WESTERN ELECTRIC TYPE 52 OPERATOR'S HEADSET w/BOOM MIC. has single 150 ohm DC res. receive element and 50 ohm mic on 8" boom; 5' cord has WE396A dual PL-55 style plug. 2 lbs sh. Used-excellent. \$17.00 \$15.

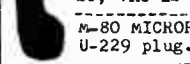
OSLO TELEPHONE, sleek European 1940's phone suggests Art-Deco period; can be used as desk phone or invert for wall mount. Rotary dial, ringer, and cord with terminal lug connections. Not FCC registered; 6 lbs sh. Used. #OSLO-BK, black, \$14.95;



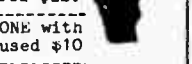
H-60 HANDSET f/TA-43-312 phones. used \$14.



H-189 HANDSET f/PRC-25, VRC-12 Used \$12.



M-80 MICROPHONE with U-229 plug. used \$10



M-29 MICROPHONE with U-77 plug. used \$5

H-250 HANDSET w/U-229, used, \$15.
H-251 HEADSET w/U-229. used. \$14.
H-63 HEADSET & BOOM MIC used for wall mount.
4-91 HEAD & ROOM MIC w/U-77, \$14.
H-144 HEAD & ROOM MIC w/U-77, \$15.
H-161 HEAD & ROOM MIC w/U229, \$25.
H-182 HEAD & ROOM MIC w/U-77, \$18.

TENSION GAUGES

PRECISION GAUGES for measurement of tension or weight. NEW:

#LP-36 SPRING SCALE, 36 oz X 1/2 oz or 1 KG X 20 G scale; spring assembly 5.5"x1.5" O/A 14.3" long Chatillon. 68.

JONARD #G-50 SPRING ARN center zero, L-R reading; 0-50 grams 5 gm steps. Stainless steel parts; 4.8"x1.6" W. \$14.95

#68B SPRING ARN, center-zero left-right reading; 0-70 grams in 5 gm steps. Not stainless. 6.1"x1.6" W. 99.

12 VDC COUNTER

6-DIGIT MECH ANICAL COUNTER 12 VDC non-resettable; black numerals on white. Rear mount flanges; o/a 1.3"x1.5" x 2.5" D, 1". #E07B10DC12, NEW, \$2.95

CANVAS

BAGS, STRAPS AND COVERS, MAY BE USED OR UNUSED. ALL ARE CLEAN WITHOUT TEARS. SHOULDER STRAPS ARE ADJUSTABLE AND MADE OF COTTON WEBBING.

CW-216 ACCESSORY BAG f/PRC-8-9-10; holds antennas & handset. O/A 19"Hx5"W (tapers to 7"W at bottom) 3.5" deep; w/snap cover and clip for ammo belt. Used, \$6.

ST-120 BACKPACK HARNESS & M-1956 SUSPENDERS f/PRC-8-9-10, 98.

CW-206 ROLL BAG for MS-116 -117-118 mast sections and related; snap and web strap closure. O/A 40" long 3" high 5" deep. Used, \$7.50

ST-19 CARRYING STRAP, 65" LG. X 2"W; w/2" SWIVEL-EYE SNAP HOOK AND TONGUELESS-BAR BUCKLE NEAR ONE END TO ADJUST LENGTH. \$3.00

ST-42 CARRYING STRAP, AS ABOVE, NO SWIVEL, \$2.50

CW-187 ROLL BAG for AB-21 -22-23-24 mast sections; 36" long. Used, \$6.00

PRC-25/77 CANVAS, used: ST-138 HARNESS, \$12.00 CW-503 ACCESSORY BAG, \$6. GRC/VRC EQUIPMENT COVERS: CW-329, adjustable for GRC-3--8, NEW \$9. CW-330 f/VRC-8-9-10 NEW \$7

CANVAS CASE for EE-B field phone; used, \$5.00 CY-1277 CANVAS CASE w/strap for TA-43-312, used, \$6.00

AUDIO

AUDIO RECORDING TAPE on 7.5" plastic reels; 1 mil 1800 ft. Major manufacturers; bulk erased. 2 lbs sh. #AST7586, Used, \$1.00 ea; 5 for \$4.

1920-2520 MHz



LOCAL OSCILLATOR 4/6BM6 klystron in tunable reflex cavity; three probe coupled outputs; requires -300--600 V ref. -300--475 V grid. -300 V beam. 6.3 VAC fil. 3-BNC conn & info: 12x4x4, 5#. #OSC/R41B. \$65.

TIME-O-MATIC SIGN CONTROL

115 VAC 60 Hz. THREE CONTACTS RATED 15 AMP EACH. TWO ALTERNATELY MAKE AND BREAK ONCE PER SECOND FOR 15 SEC; OTHER BREAKS FOR 20 SEC. AT THE SAME TIME. THEN ALL THREE MAKE AND THE CYCLE REPEATS. SIZE: 3x5x6; SHPG. WT-5 LBS. #53 K-155, \$4.95

CARD SCANNER

CREDIT CARD SCANNER, uses optical system to read raised numbers of credit cards into a photo array. Small AC motor drives card through reader; w/connector diagram. 5x5x4, 3 lbs. #ECR2020, used \$4.95

HEAD MOUNT MASK

masks extraneous light during low light viewing of instruments--nice Halloween mask. too! Rigid rubber w/velcro adjusting straps. #5855-179-8583. unused, \$4.95

TX CHASSIS

KNITTER CHASSIS for 2-12 MHz range; p/o GRC-9 set described elsewhere but "demilitarized" by "whack" on the tuning control. Still a good source of quality switches, coils, and other RF parts. Less tubes and indicator; 10.5x10.5x6.8, 18 lbs sh. #TX/GRC-9-D, "AS-IS", 97.95

12-DIGIT FLUORESCENT DISPLAY, 3/8" digits 0 thru 9, -, ., and decimal point. Tubes 2"H plus IC's, transistors, etc. 9x8.5x2.5, 4 lbs sh. #POS-2, \$4.95 \$3.50

12-DIGIT FLUORESCENT DISPLAY, 5/16"H characters, 1-5/16"H DG-10A tubes; 21 xistors, IC's, etc. 5.3x3.4 3 lbs. #OP-3304, \$4.95 \$3.00

INDUCTOR FC BOARD has 3 200 uH and 2 1200 uH inductors 3/4"H x 1-3/8" dia; also 7/4000 mf 20 V, 3/3000 mf 25 V axial caps, xistors etc. 3 lbs. #54-014535, \$2.

TALLY OSCILLATOR with ferrite coils, 81.9-72.5-44.7-42.9-35.6-34.9-30.2 mH and 39/50 V caps 0.001-0.47 mf and 9/2N3565 xistors. \$2.00



HONEYWELL HUMIDIFIER CONTROL as used on home humidifiers. Plastic element tape senses 10%-70% humidity and closes normally open 120 VAC contacts depending on setting of variable control. Shaft 1/4" dia; o/a 1x 1 1/2x4 1/2. #H46B1150 NEW \$1.95

THERMAL SWITCH opens 30 sec. after cooling. Operate 130 vac. 2m ohm res. 1x1ft, 20" leads. M-4199 \$1.50

HEATING ELEMENTS

NICHROME 650 WATT HEATER WIRE-COIL, 8 ft long; 2 lbs. #NHC-650W, NEW. \$3.95

BRYANT STRIP HEATING ELEMENT, 120 VAC 150 watts; 1 1/2"W x 8" L including mounting flanges. 2 lbs sh. #6115-931-7883, NEW, \$2.95 LOOP COIL TYPE, 9" Long; 115 VAC 30 w. #83975, \$2.00

TIMER BONANZA

CARTRI VISION TIMER CONTROL, part of early home video system; cheap gizmo with interesting parts: 115 VAC timer motor with upto 8 hr delay and SPDT contacts, 18 V 200 ma transformer, 12 VDC SPDT relay, SPDT and 4PDT slide switches, etc. 3.9x9.5x2, 2#. #CV-TC87, \$1

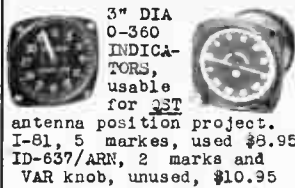
LONG DURATION TIMER WITH 115v RESET RELAY. 115V 60 Hz 1/15 RPH MOTOR. CAM ACTUATES SPDT MICRO SWITCH. 3 1/2x2 1/2. UNUSED \$2.95

ILLUMINATED CLOCK MECHANISM AS USED ON CLOCK RADIOS. CLEAR PLASTIC FRONT TO TRANSMIT LIGHT, NO HANOS. HAS 60 MIN TIMER ALSO HAS ON-OFF-AUTO ALARM 2"SQ FACE. 115v 60 Hz. Unused, \$1.00 \$1.00; 5/94.

SYNCHRON CLOCK MECHANISM, No.610 110 V. 50 CYCLE 3 WATT 1 RPM #EC-129RB, WITH GEAR ASSY, NO RESET OR COVER. 2x2x2 1/2; 4oz. \$1.35

TIMER ASSORTMENT, 5 various timing device; mixed volt ages, mixed speeds. \$2.50

Tx-Rx CASE LEATHER CASE for handheld transceiver; snap-flap for attaching to belt. Interior 8" deep X 3"W top tapers to 2.75"W bottom X 1.5" thick; right-side cutaway for control access. Quality made in USA by Merzon; o/a 10.5"L, 2 lbs. #19430217P11 NEW \$7.50



3" DIA 0-360 INDICATORS, usable for antenna position project. I-81, 5 marks, used \$3.95 ID-637/ARN, 2 marks and VAR knob, unused, \$10.95

PARTS GALORE



TELETYPE PROGRAM SELECTOR part of an obsolete pay TV system which featured pre-recorded tape program review, coin deposit register mechanism, and audio amplifier-power supply with 4" speaker. Generates 8 KHz signal to trigger mechanism and 35 Mhz video output. Tape magazine has recording head and plays 66' of 1" tape in continuous loop. Mechanism has 5 RPM Cramer 115 VAC motor plus other motor, gears, etc. Lower supply output 150 VDC 100 ma and 6.3 V 3 amps. Tube line-up 3/6U8, 63B6, 6BA8, and 12BH7. Cabinet 15x7x7, 21 lbs sh. Our bargain price is worth the tape magazine, coin mechanism, power supply, or tubes alone. NEW, \$6.95

KEY ALARM

ALARM CONTROL PANEL w/5-position key lock wafer switch. SC628 Sonalert 6-28 V 3-14 ma, and five panel lights. 11.3x4x8 2 lbs. #ALRM-SC628 w/key \$7

205 MM

COPY LENS apertures F4.5 -5.6 6.3-8-16 on mtg board. O.D. 3" x 3"L; 2 lbs sh. #AA-L205, used, \$9.



ID-66/APA-44 AIR SPEED INDICATOR; CONTAINS A KOLLSMAN TRUE AIR SPEED METER AND A INDICATING WITH A RANGE OF 84 TO 434 KNOTS. HAS Oster MOTOR AV-240, RELAY, 1/6AK5 TUBE, COMPENSATING DEVICE PLUS MANY OTHER COMPONENTS. 15x7x5; 20 LBS. USED \$10

RHODES 60 SEC TIMER, times from 2 to 60 seconds; bell signals time elapsed. 3" dia plastic case; 1 lb sh. #56414, NEW, \$2.50 each.

24 V BELL

ALARM BELL, 2 1/2" dia bell operates from 24-36 VAC or DC; o/a 5.3x3x1.3, 2 lbs Western Electric #7-AW, unused \$6.95

I-82 RADID COMPASS INDICATOR, 5" dia, 0-360 increments, and AY-54 autosyn. Use in antenna position projects (see 9/79 OST). 4 lbs sh; used-good, \$22.00

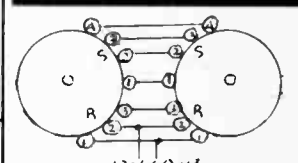
MC-507 SELSYN-INDICATOR, transmitter unit usable in wind direction and beam locator systems. Has 3" dia 0-360° scale 5° steps; 12-24 VAC 60 Hz req. 2 lbs. \$8.95 2/\$15.

I-91(*) RADIO COMPASS INDICATOR 360 deg. ac. used w/ARN-6 sys. 3 1/2"x3" (can be used with wind direction system) used \$9.95 NEW \$14.95

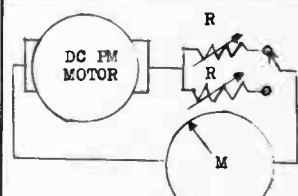
PILOT INDICATOR

MG-2 PILOT INDICATOR for bomb NAV-system. Separate scales 150-0-150° TURN and 360-0-360° TIME TO GO. Two Sperry selsyns mounted in line; 24 V 400 Hz originally but works on 12 V 60 Hz with some response loss. 10x3.8" dia, 4 lbs. \$15.95

WIND DIRECTION



WIND DIRECTION INDICATOR using Bendix AY-100 autosyn xmitter. Design a wind vane and indicator so that you can monitor wind direction from inside your house. #3969-AY100 NEW \$9.



WIND SPEED INDICATOR using a 24 VDC FM motor as a generator, a 1 milliammeter and a resistor range scaler so that wind speed can be monitored indoors. We will supply the FM motor and a 3 1/2" rd 0-1-0-50 scale (FS-1 ma) meter; you design the rest. #WS-MOTOR & METER, \$7.95

AY-1 AUTOSYN MOTOR AS USED IN I-81, I-82 ETC. DIRECT REPLACEMENT. \$5.95

I-81 & I-82 ARMATURES ONLY #382716/A1, UNUSED, \$3.95 I-82 GLASS ONLY, \$2.00

SMALL INVERTER SUPPLY



TRANSISTOR INVERTER POWER SUPPLY input 24 VDC 500 ma output 110 VDC 60 ma. Can be used to supply B+ for low power tube type receivers. Transformer has 286 VCT 70 ma secondary. Other uses possible with modification. Reduced output at lower input voltages. Schematic included.

3 1/2 x 2, 2 lbs sh. #522-1091-004, used-checked, \$9.95; used-defective \$4.95. DA-15S PLUG to fit above inverter, \$1.50 ea.

MICROCOMPUTER SUPPLY

POWER SYSTEMS MICRO-COMPUTER SWITCHING POWER SUPPLY, made for one the "big" in the micro circus who quit the "show"; outputs +5 V 7 amp, +12 V 3 amp, -12 V 250 ma, -5 V 300 ma from 115/230 VAC 50/60 Hz input. Made in 1984 so is the very latest design for your micro or other project.



7.8x4.4x1.5, 2 lbs. #PS1558 NEW \$29.95 \$24.95



NORTH ELECTRIC MODULAR POWER SUPPLIES, stable solid-state units removed from equipment. All 115 VAC 60 Hz input; outputs -5% @ 40 centigrade. Appearance varies from picture; 20 lbs sh wt approx.

#N65006A 5.0 VDC 35 amps \$45.00
#N11006A 6.0 VDC 3.5 amps \$12.00

ELECTRO MODEL 50 18-22 VDC 2 amps \$20 \$15
PHC PXC-C-36 36 VDC 2.3 amps \$22 \$16
LAMBDA LH-122 0-20 VDC 5 A; meter, used \$45
T-BAR #5000-M974 24 VDC 6 A rackmount, \$35.

SPERRY #4113281 SUPPLY, outputs +48 VDC 5.5 amps, +6 V 5 A, -12.5 V 2.5 A from 115/230 VAC in; rackmount, 45 lbs. Unused, \$50 \$35.

2-14.5 VDC SUPPLY



CB POWER SUPPLY, regulated 12-14.5 VDC 500 ma continuous; 1500 ma intermittent. With 6' AC cord and replacement On-Off switch.

6x2x4, 2 lbs sh. #CB-PS-12, NEW, \$7.95

POWER CONVERTERS

ASTEC DC - DC CONVERTER designed for PC board mount; +5 VDC input produces -12 VDC 85 ma output. 1.2x1.5x1; 1 lb sh.



#AA7210, \$2.95 ea; 2 for \$5.00
PLUG-IN WALL TRANSFORMER with 8 VAC 750 ma output from 115 VAC input; lug output connections. 1.5x2.5x1.5, 1 lb sh. Potrans #WP410608, \$1.95 ea; 2/\$3.

POWER HEATSINK

POWER UNIT HEATSINK ASSEMBLY, 5.3x4.8x1.1 plate with three 2N3055's, two diodes, On-Off switch, and fuse; 3 lbs sh. #AE-HS-3T, used, \$2.95



TRANSFORMER & DIODE ASSEMBLY with Signal 24-4 transformer which has two 12 V 4 amp secondaries. Also two 200 V 40 A diodes, two 300 V 25 A SCR's, and a P&B 120 V 50-60 Hz DPDT relay w/10 A contacts. W/schematic. 10 1/2 x 3 1/2 x 3 1/2, 8 lbs. #ASI-M912VPS, \$12.95

SANGAMO DC SUPPLY



SANGAMO DC POWER SUPPLY, output +5 VDC 5 amps and ±12 VDC 250 ma from 115 VAC 60 Hz input; transformer-type. Modular-style chassis w/On-Off switch, fuse, and marked output terminals. 5.1x4.1x1.3, 9 lbs. #SANG-696515, used \$10.00



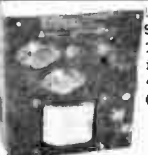
PP-68-B VIBRATOR SUPPLY, 100 to 110 VAC 60 Hz 15 or 50 watt output from 6 VDC 6/13 amp (15/50W) or 12 VDC 3/6.5 A input. With 66" cable. 9.8x11.3x8.8, 34 lbs. Unused, \$33.00
PP-68, older style, used-ckd \$23

MRC-66 DC TO DC SUPPLY



MRC-66 DC TO DC SUPPLY has two separate DC to DC transistor inverters operated by 24 VDC input: Output "R" -70 V bias, +100 VDC 20 ma, and +200 VDC 100 ma. Output "T" +200 VDC 150 ma 70 VDC (isolated +, -) 75 ma, and 6 VAC 5 amps. Inverters in separate boxes which can be removed and used independently. Also has 24 VDC control relays, Reg-Ohm regulator for 6 VAC, locking cabinet with cover & key, plug, and schematic. 9 1/2 x 6 1/2 x 6, 21 lbs. \$22.00

LAMBDA DC SUPPLIES



LAMBDA MODULAR POWER SUPPLIES, 105-125/210-250 VAC 47-63 Hz input; outputs +5% @ 40 C. Used-good cond: #LOS-2-5, 5 VDC 3 amp 4.8x4x2 3 lbs \$14.95

12/24 VDC 22/11 A



GFP-2 POWER SUPPLY, output 12 VDC 22 amps or 24 VDC 11 amps. With mains and load control and output mode indicator lights. Input: 90-130 VAC 60 Hz. Size: 11x8 1/2 x 10 1/2, 90 lb sh wt. Used, \$66.00 New \$45.00

DYNAMOTORS

DM-21CX used \$20 DA-1 used \$12
DM-32 used \$4 DA-6 re-new \$10
" re-new \$5 DA-14 re-new \$10
DM-35 re-new \$20 DY-10 used \$14
DM-36 re-new \$7 BD-83 re-new \$10
DM-53 used \$6 PE-73 re-new \$30
DM-53 12 V \$7 PE-86 re-new \$8.
DM-64 used \$10. PE-94 re-new \$20
D-10A used \$5. PE-101 used \$7.
D-401 re-new \$8. PE-133 used \$10
TCS 12 VDC RM-TX DYNAMOTOR SUPPLY, outputs 220 VDC 100 ma & 400 V 200 ma; 30 lbs. #TCS218B1, unused \$25.

28 VDC SWITCHING SUPPLY



28 VDC 1.25 A SWITCHING POWER SUPPLY, also outputs +12 V 1.5 amp, +5 V 4 A, and -12 V 0.5 A requires 115/230 VAC 50/60 Hz input. Not for RF applications. 5.5x10, 4 lbs. #PS-1486, \$19.95 \$14.95

5 VDC 28 AMP



HEAVY DUTY SWITCHING POWER SUPPLY with "heavy duty" outputs +5 VDC 28 amps, +12 V 4 A, -12 V 1 A, and +24 V 1.5 A from 115 VAC 60 Hz input. Has On-Off switch, 3-prong input connection and 16-pin Molex output connector; removed from equipment. 2x5x13, 6 lbs. #SWPS-528, \$14.95

SCR HEATSINK ASSY

SILICON RECTIFIER BRIDGE, single phase half-wave; GE #C14114CX5 or equivalent. Rating approx 500 V 35 amps. 7x6x5, 4 lbs sh. #KS-19576L1, used, \$5.95 \$6.95

INVERTERS



JACK & HEINTZ INVERTER #AN-3532-2 INPUT 27.5 VDC @ 20 AMPS. OUTPUT 115 VOLT 400 CYCLE, 3 PHASE, 250VA VOLTAGE REGULATED. SIZE: 12x7 1/2 x 4 1/2; WT: 20 LBS. Fed#6125-617-0967

Used, \$18.95

PU-7 INVERTER

INPUT: 28 VDC 160 AMPS. OUTPUT: 115 VAC. 400 CYCLE 21.6 AMP. 1 PHASE SIZE 19 1/2 x 8 x 10 1/2; 100 LBS. PRICE: Unused \$49.50

GE #5D21NJ3A INVERTER, INPUT: 27 VDC 35 amps OUTPUT: 115 VAC 400 Hz 1 1/2 485 watts. 8.5x5.8" dia; 15 lbs sh. Used, \$34.95

MG-149H INVERTER

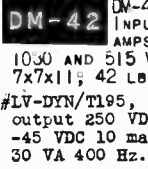
INPUT: 24 VDC 36 A. 750 VA. OUTPUT: 115 V. 400 CYCLE 1 PHASE 500 VA & 26 V. 400 CYCLE 1 PHASE 250 VA. SIZE: 12x8 1/2 x 8; WT: 25 LBS. PRICE: Used, \$45.00



INVERTER INPUT 27.5VDC 60A OUTPUT 115 V 400 CY 750 W 3 PHASE 26 V 400 CY 50 W 1 PHASE SIZE 11x10x6; WT: 40 LBS. LELAND#10285 USED \$34.95



WINCHARGER 51S1 DYNAMOTOR on 15x9 1/2 base. Input 26 VDC 22 amps; output 1500 VDC 200 ma and 350 VDC 100 ma. 44 lbs sh. Used, \$20.



DM-42 DYNAMOTOR; INPUT: 12 VDC 39 AMPS. OUTPUT: 10.30 AND 515 VDC @ 215 MA. 7x7x11; 42 LB. RECORD, \$15. #LV-DYN/T195, input 10 amps output 250 VDC 300 ma, -45 VDC 10 ma, and 115 VAC 30 VA 400 Hz. 8 1/2 x 3 d. \$25.

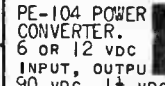
HIGH VOLTAGE



ACE HIGH VOLTAGE POWER SUPPLY; OUTPUT: 3000 VDC 50 UA APPROX. INPUT: 115 V. 60 Hz. USES TWO 1B3 RECTIFIER TUBES. WITH MOUNTING FLANGE. SIZE: 6x7x2; SHPG. WT: 8 LBS. UNUSED. #ACE-HV3000, \$5.95 SPECIAL!! 3 for \$10.00



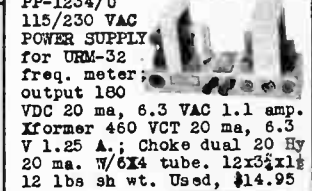
JACK & HEINTZ F-132 INVERTER INPUT 27.5 VDC @ 100 AMPS. OUTPUT 115 V. 400 CYCLE 1500 VA 3 PHASE SIZE: 16 x 11 x 7; WT: 55 LBS PRICE: USED \$75.00



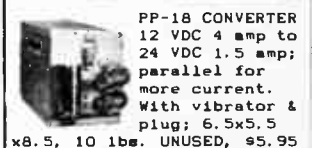
PE-104 POWER CONVERTER. 6 OR 12 VDC INPUT, OUTPUT 90 VDC, 1 1/2 VDC AND -45 VDC. SIZE: 4x4x7; WT: 10 LBS. NEW \$3.95 W/EXTRA VIB. \$4.95



PP-855/PRC-14 VIBRATOR POWER SUPPLY WITH FILTER NETWORK. 6 VOLTS DC INPUT, 5.35 AMP OUTPUT 135 VDC @ 155 MA. SIZE: 7 1/2 x 2 1/2 x 2 1/2; WT: 3 LBS NEW \$4.95



PP-1234/U 115/230 VAC POWER SUPPLY for URM-32 freq. meter; output 180 VDC 20 ma, 6.3 VAC 1.1 amp. Xformer 460 VCT 20 ma, 6.3 V 1.25 A.; Choke dual 20 Hy 20 ma. W/6X4 tube. 12x3 1/2 x 1 1/2 12 lbs sh wt. Used, \$14.95



PP-18 CONVERTER 12 VDC 4 amp to 24 VDC 1.5 amp; parallel for more current. With vibrator & plug; 6.5x5.5 x8.5, 10 lbs. UNUSED, \$5.95

BLUE M OVEN



BLUE M BATCH OVEN, large 8 cubic feet capacity with Power-O-Matic 60° saturable reactor proportionating control system; temperature range 15°C ambient to 180°C. Oven interior 24"Hx24"Wx25"D. Units used in PC board testing and have removable 5x6 card rack installed for thirty 4"x14" cards. Also extra power control electronics, running time meter, and large 0-250°C West temperature meter. Requires 208 VAC 60 Hz 2.7 KVA 1 phase. 8x37x34, 300 lbs. #PDM-5863BX, used, \$695.00

SPEED CONTROL

WALL MOUNT SPEED CONTROL, solid-state unit designed to adjust speed of Miami-Carey ceiling fans is rated 120 V 60 Hz 3 amps. Use to vary speed of any motor of similar rating. Includes aluminum mounting plate for standard outlets, hardware, and wiring info. 1 lb sh. #MSCW/KIT, NEW, \$5.95

TUBE SOCKETS



4X150 SOCKET PAIR f/ T-195 xmitter moditr 4 1/2 x 3 x 2 1/2, #T195/4X150 Removed, \$12. \$10.

CERAMIC PLATE CAPS, cut-offs. 5/8" size, s.75; 3/8", s.60 OCTAL TUBE SOCKET EXTENDER, plugs in to save wear-and-tear on your tube checker's octal socket; #1189, NEW \$1.75

U-102 OCTAL TEST SOCKET, test points for octal tube; plugs into socket. #4578 NEW \$2.50

OCTAL MOULDED 2 HOLE MTG. \$.35 " " RING " .35 " " CERAMIC (SPECIFY) .60

OCTAL MOULDED 2 HOLE CERAMIC TYPES 4,5,6 & 7 CONTACTS STANOARO SIZES MOULDED TYPES 4,5,6 & 7 CONTACTS, STANOARO SIZES .45

MINIATURE MOULDED 7 & 9 CERAMIC 7-PIN for 1625, s1.25 SHIELDS FOR MINIATURE TUBE .40

GIANT 4 CONTACT CERAMIC FOR 211 VT-4C, 872 ETC. GE#M17461594-G1 USED \$1.25

GIANT 4 CONTACT CERAMIC FOR 715,718 ETC. JOHNSON 234 TYPE STK.#227684.98 UNUSED \$1.25 CERAMIC FOR 829 ETC. used 1.25 " " 832 ETC. used 1.25

JOHNSON 209/210 CERAMIC SOCKET w/shoulder f/811-866. Used \$3. *****

JOHNSON CERAMIC SOCKETS, unused #214 for 750TL/1500T etc \$2. #244 for 8008 etc. \$2.00 #122-237 for 813, \$5.00

EIMAC SE-113 GETTER CLAMP f/4" dia tube base NEW \$45 122-207 for 826/829/832/4032; VHF septar. Used. \$3.00 ea

JOHNSON 247 or equal socket for 829/832; used, \$1.50 ea

TERMINAL BLOCKS--TELEPHONE TYPE #TT4X10FA, 4 rows ten terminals each; total 40. Size: 3 1/2 x 3 x 2; unused \$4.25 WE 4x10, used \$2.25 #660069, 3 rows 26 removable terminals; 78 total. 7x2 1/2 x 3 \$4.50

WE 2-rows 25-term; used \$2. 459865 40-term, flat mt. \$2.

879-9661 3 rows of 30 terminals one side wire wrap. size 8-7/8x2-3/4x1-3/4 \$3.50 AIRCRAFT STYLE TERMINAL STRIPS AN-3436-2-6 6 term. 4x7/8x11/16 6-32 studs on 19/32 centers .55

AN-3436-4-16/10 term. 12x1x1 10-32 studs on 3/4 centers \$1.25

5Bk-22 BOX Consists of 3 AN-3436 terminal strips 13 term. each & 2 AN-3436 9 term. ea. The 10/32 studs extend thru. the phenolic board and have solder terminals. Board size 5 1/2 x 8 1/2 x 2; 4lbs \$2.75

RF TAP SWITCH



5 POSITION CERAMIC TAP SWITCH for 100 W WW-2 transmitter; 2.3x2.3x1.8, 1 lb sh. #329605 unused. \$3.95 10/\$32 100/\$265.

TERMINAL STRIPS WITH CLIPPED WIRE BARRIER TERM. STRIPS AVAILABLE, 3/4, 1 & 1 1/2" WIDTHS, 2 TO 16 TERMINALS. TWO TERMINAL 20¢ EA. EACH ADDITIONAL TERMINAL 3¢. WE WILL SHIP CLOSEST TO YOUR ORDER.

HEAVY DUTY TERMINAL STRIPS. APPROX. 2" W X 1 1/2".

8 " 6 " 2.00 SCREW DOWN 12 " 8 1/2 " 3.00 HOLDER TYPE \$4

Capacitors



4 MFD 4000 VDC 12.3x4.5 x3.8, 9# w/bracket \$12.00

25.6 MFD 1 KVDC, 2 KV int.

6.5x3.8x3.3, 6 lbs. \$9.00 MFD VDC SIZE PRICE

4 400 2 1/2 x 4 1/2 \$.75 2 600 2 1/2 x 2 1/2 .75

4 600 3 1/2 x 2 1/2 .95 6 600 4 1/2 x 2 1/2 1.20

7 600 4 1/2 x 2 1/2 1.35 1.5 1000 4 1/2 x 1 1/2 .85

2 1000 4 1/2 x 1 1/2 .95 4 1000 4 1/2 x 2 1/2 1.35

2 1500 4 1/2 x 2 1/2 1.15 4 1500 4 1/2 x 3 1/2 1.95

8 1500 5 1/2 x 3 1/2 3.00 1 3000 4.5x3.8x2.3 1.50

1-1 3000 8x9x4 12" 1.25 (case ground) 2 3000 5.5x3.8x3.3 2.50

0.84 4000 5.3x3.8x1.9 2.25 8 4000 case ground 8.3x3.5x2 \$10.40

2x0.1 4500 5.5x3.8x1.8 1.50 2x0.1 7000 case ground 5.5x3x1.8 2.50

0.03 7500 5" x 2" dia 1.25 0.5 7500 8.9x3.8x4.5 6.00

2x0.5 9KV 13.5x7.5x7 #42 \$7 0.1 12000 6x3.8x4.8 4.00

COMPUTER GRADE

MFD VDC SIZE PRICE 23000 7 5 1/2 x 1 1/2 .6C

Bank of five 2.25 61000 10 4x2 1/2 1.5C

150000 10 5 1/2 x 3 3.25 28000 15 4 1/2 x 2 2.00**

73000 15 4 1/2 x 3 3.00 5200 20 3 1/2 x 1-3/8 1.25**

40000 20 4 1/2 x 2 2.75** 52000 20 6x3 2.85**

18000 25 4 1/2 x 2 2.00** 16500 30 4 1/2 x 3 2.00

25000 30 4 1/2 x 3 2.25 54000 30 6x3 4.00**

18000 35 4x3 2.50 25000 35 4x2 2.75

37500 35 6x3 3.75 9400 40 4 1/2 x 1 1/2 2.00

51000 40 5 1/2 x 2 1/2 4.15 20000 55 5.75x3 3.25

1000 50 3 1/2 x 1 1/2 1.20** 23200 50 4x3 3.25**

3500 55 4x3 2.00** 11000 60 4x2.5 2.55

58000 20 6x3 2.20** 20000 70 6x3 5.00

950 75 4x3 2.0C 5200 200 6x3 7.5C

1400 99 4x2 dents 1.0C** 2700 300 5 1/2 x 2 5.0C**

900 165 4x2 dents 1.0C** 1250 180 4 1/2 x 2 3.0C**

500 200 4x2 NEW 2.25 500 200 5 1/2 x 3 1.0C**

1700 200 5 1/2 x 3 3.8C 1000 350 5 1/2 x 3 3.75

5200 200 6x3 7.50 ** marked, take 25% OFF. BUY 5 COMPUTER GRADES or SAME rating, take 20% off.

ROTARY SWITCHES

1-POLE 17-POSITION, 2 1/2" dia bakelite; 3/8" dia shaft. CRL #PA3001 NEW \$1.95; 2/\$3

ROTARY SWITCH, 2-DECK. ONE 4PDT MOMENTARY-BOTH SIDES; OTHER 2PDT MOM. B.S. AND 1PST MOM. 1-3/8" OIA.; CER. AMIC. #329825-20, \$1.00 MINI-ROTARY, 1-pole 3-pos. shorting. 1" dia; 1/8" dia shaft. No hardware. #LED-M13-S, unused, 75¢

THUMB-WHEEL WAFER SWITCH, 18 POSITION, NUMBERED, 2 HOLE MTC. HORIZONTAL OR VERTICAL. 2 1/2 x 3/8" # 960 NEW \$1.25 SAME AS ABOVE 19 POSITION 2 1/2 x 3/8" #980 NEW \$.75

2-DECK 5-POS W/OFF-ON SWITCH 2/SPST 8 A 125 V. 2 1/2 x 1 1/2, 2" d shrt. #2D5PSW \$3.

MALLOY NON-SHORTING TYPES: #32B4J 3-circuit 4-pos \$1. #3243J 4-ckt, 3-pos., \$1.10

2-DIGIT THUMB SWITCH 00 to 39; can be modified to 99 but one digit has 1-pole 10 pole wafers, other binary code output. Digitran Serie 23000; 1x1x1 1/2. NEW \$1.75

Rotary switch one deck 17-position, one tie deck, 1 1/2" x 1. silver pl. SW-249 \$2

CERAMIC 2-pole 4-position; 1-5/8" dia. 1" x 1/4" dia shaft. #SW-106 4 NEW \$2.25

DAVEN SWITCH

18-POSITION, CONTINUOUS TURN, 2" dia. Zinc-silver contacts. 2 1/2" dia shft. #329825-92.2 Unused, \$3.00

Miniature tap switch 1 pole 7-position rated 1 amp. 1 x 1 1/2". Grayhill 7 pos. \$2.00

CERAMIC TWO DECK, 1-pole 4-position/deck (90 throws); 2x 1/2" dia shaft, 1 1/2" dia wafers. #83-2-1P4P, \$1.75

CERAMIC 2-deck 8-position; 1-3/8" dia wafers. Shaft 1/4" dia. #383-5447, \$2.50

CERAMIC 1-deck 12-position 1-3/8" dia wafer; 1/4" dia shft. #SW112/TV-2 used \$3.

BAFELITE 1-DECK 1-POLE 10-POSITION w/stop, 1-3/8" dia wafer; #1110-3713 NEW \$1.25

DUAL CONTROL SWITCH, 1 1/2" dia outer shaft switches 1-pole 4-position rotary; 1/8" dia inner shaft adjusts 50K ohm pot w/on-off. #5540 NEW \$2.

ANTENNA CIRCUIT SWITCH 100 WATT 3/MAKE 3/BREAK SIZE: 4 1/2 x 2 1/2 IN. #329626 \$2.50

RESISTOR PAIRS on brackets; rating/size f/ each resistor:

0.2 ohm 100 W 6x1, 2# s3/pr 8 1/2 400 W 8.5x1.8, 3#, s9/pr

EDGEWOOD RIBBON RESISTOR. 0.67 500 W; 11x2, 3#. s8.

METALIZED-PAPER CAPS

0.1 mf 400 V, 3/s1 0.5 mf 400 V, 2/s1 0.0068 mf 600 V 4/s1 0.033 mf 600 V 3/s1 0.68 mf 600 V, 2/s1 0.0033 mf 1 KV 3/s1

Parts Kits

HARDWARE ASSORTMENT from electronic equipment such as washers, screws, rivets, nuts, terminals; 2 lbs \$2.00

MICA CONDENSERS 25 ASST. 10 MFD To 6800 MFD. \$1.00 a KIT

BATHUB CONDENSERS KIT .1 to 1 mfd up to 600 VDC. Various types 10/\$1.

PRECISION RESISTORS 25 asst. on boards. Carbon or wire wound 1%. \$1.50/kit

RESISTORS WIREWOUND 25 ASST. 5 to 20 Watt. Wide range of values some tapped. 25 ASST \$1.00

VOLUME CONTROLS 10 ASST. Popular Values \$1.00

TERMINAL LUGS, ring spade, crimp types. Wide variety of sizes for all uses in plastic box. APPROX. 200 PCS. \$2.00

ROTARY WAFER SWITCH six different types Multi-decks and contacts \$1.25

RESISTORS 25 W 4 ohm Slider + 4A fixed: 4x0.6 \$7 100 W 1A tapped 0.2-0.4-0.4, 6x1.3 \$1.75

100 W 175 non-inductive feed-thru \$2.50 110 W 10A 8x1.3 \$1.50 200 W 2A SLIDER ADJUST, 10.5x1.3 \$2.25 200W 5K410.5x1.2 1.75

CAPACITANCE DIVIDER, 15 KV insula- 30 pf total capacitance 50:1 ratio. 32L RG-11 cable with PL-259 connector. 7.5x5, 6 lbs; NEW. GEWC373179. \$12.95

PHOTO-FLASH CAPACITOR 750 uf 330 VDC 2 1/2" dia; NEW \$2.25. 5/49.

POLYSTYRENE CAPACITORS .01 uf 200 V, 4/s1. 0.33 uf 400 V, 3/s1.

CENTRALAB 957 HV DOORKNOB CAPACITOR. 40 pf 15 KV; used \$3

AC CAPACITORS

MFD VAC SIZE PRICE 4 220 4 1/2 x 1 1/2 \$1.00 14 320 4 1/2 x 1 1/2 2.25

3.9 330 4x2x1 1.00 50-60 330 4.4x2.1 dia 2.25

17.5 330 5 1/2 x 2 1/2 2.50 12.5 360 4-3/8x2 1/2 2.00

2 440 2x2x1 1.00 25 330 5x3.8x3.3 3.00

7.5 480 4.5x2.5x1.5 2.00 21 525 6 1/2 x 3 1/2 4.00

18 600 4 1/2 x 4 1/2 4.00 4 660 3 1/2 x 2 1.25

6 660 5 1/2 x 1 1/2 1.50 1.3 950 5 1/2 x 4 1/2 3/1.00

0.5 2500 2 1/2 x 2 1/2 .65 1.3 4000 8 1/2 x 4 1/2 4.00

ELECTROLYTIC (E)/PAPER (P) 6800uf 16 V axial (E) 4/\$1 450 uf 25 VDC (E) 50¢ 5/32

1000 uf 25 V axial (E) 5/32 1500 uf 63 V axial (E) 75¢ 50-50 uf 150 V (E), 2/\$1.

30-30-15 mf 150 V (P) \$.65 80-40-20 uf 150 V (P) 2/\$1 250uf 150 V axial (E) 2/\$1

25-25 uf 200 V (E), 45¢ 60 uf 250 VDC (P), \$.75 ea 160 uf 250 VDC (P), \$1.10

160-240-240 uf 200 V \$1.65 140 uf 300 V axial (P) 85¢ 50 uf 350 V axial (P) 65¢

20-20-20-20 MF 450 V (E), 7X1.7" dia, NEW \$1.50 60 mf 450 V (E) \$1.25

80 mf 450 V (E) used \$1.50 0.5 mf 2500 V 3x1.2" dia axial, \$2.00

1 KV DISCS: 7/s1. 100/56. UF .0001 .0002 .002 .0056

TANTALUMS, 35 VDC PCB-type 4.7 or 6.8 uf 4/\$1 1C/\$20 40 uf 25 V, 2x3/8, 2/\$1.

RESISTORS

3/5 W, 20¢ EA; 10/25 W, 30¢

0.5 " 10 " " 2.0 " 10 " " 2.43 " 3 " " 10 " 8 " " 30¢

34 " 5 " " 70 " 5 " " 100 " 5 " "

0.33 ohm 25 watt " 1000 " 25 " , WW 15K " 10 " " 15K " 3 " " 100K " 3 " , CERAMIC

1.6 OHM 220 W, 5%, \$1.50 0.05 " 105 W, 5%, 4x1, \$1.

PRECISION RESISTORS 100K ohm 0.33 W 0.1%, \$ 1.40 7.5K OHMS, 0.333 WATT, 0.25%, WIREWOUND, 40¢ EA.

28K OHMS 1/2 WATT, 0.05%, WIREWOUND, 40¢ EA. 55 MEGOHMS, 10 WATT, 1%, DALE WIREWOUND, \$1.00 EA.

DALE PRECISION POWER RES. 100 WATT 1400 ohms 1%; 3.5x3x1.8, 1 lbs., \$2.50 250 WATT 43 ohms 1%; 4.5x3 2.3 (RH-250), 2 lbs, \$3.

10K125 W KOOLOHM 3x3/4 s.40 100K115 watt 6.5x1.2 s1.25

1 OHM 130 W, 5% Dale, \$2.25 1K OHM 160 W 12x1.3" \$1.65

260 ohms 5 watt 1 1/2, 3/\$1. 4K ohms 3 watt, 1 1/2, 2/\$1.00 228 W 1.8A, 10.5x1.6. \$2.50 220W 30A SLIDER 10.3x1.3 \$2

SLIDER VARIABLE WW RESISTOR 15 ohm 35 watt, 10%, \$1.00 10 ohm 75 watt Ohmite \$1.50

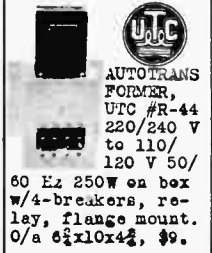
MINIMUM ORDER \$5.00

HIGH VOLTAGE TRANSFORMERS

PRI	HZ	SECONDARY	SIZE	WT	STOCK #	PRICE
117v	60Hz	375V 40MA 2/6.3	6A 2x4x2 1/4	4LB	#2003	\$3.95
105/115/125	780 VCT	65 ma 5x5x4 1/2	15	#A3499		\$5.95
200/225/250	60 Hz	6.3 VCT 4 A, 5 V 2 A				
115	60	350 CT/26 MA 5x3x3 1/2	3	647-6762		3.95
115	60	1470 VCT 128 ma 5x6x4 1/2	16	#556-9885		\$14.95
		(2640 MWV), 6.3 V 2.5 A, 6.3 V 0.4 A.				
115	60	360 VCT 150 ma 3x3.3x4.5	8	#T360/AM2353		\$5.95
		5 V 2 amp				
115	60	110V 100MA, 50VCT 4x3x3x3 1/2	10	KAL#2334		6.95
		5A, 25VCT, .15A. 14VCT 2.5A.				
115	60	289 V 200 ma 5.5x4.6x4 1/4	14	#FR146/510		\$8.95
		207 V 125 ma, 6.3 V 1.4 A, 6.3 V 9 A				
115	60	2400 V 2/2.5 V 2 A 4.3x4.3x5 1/2	7 lbs.	2800		
		VDC 5 ma in 2X2 circuit. Stancor P8151				\$9.95
108/115/121	700 VCT 50 MA	3x5x3 1/2	11 lbs	#12314		5.95
121 VAC	60 Hz	5 V 2 A, 6.3 VCT 3.5 A				
115	60	820 VCT 120 ma 4x4x4 1/2	10	#7629831		6.95
		5 V 2 amps				
115	60	1000 VCT 220 ma 5x4x4 1/2	20	#T1/610		\$10.95
		2.5 VCT 5 A, 5 VCT 3 A (1750 V insul.)				
120	60	6.4/1A 3/6.4 3A 2x3x2 1/2	1	645-0612		2.25
115	60	280 VCT 75 ma 4.5x3.8x4.6	14	#8767		\$6.95
		13.5 V tapped 1.5 V 1.2 amp, 5 VCT 3 A				
115/60HZ	360VTAPS/7/332/346V	1.25MA 228V.015				
		6.6VCT 4.2A 4x5x3 1/2	12lbs.	#7489394		\$3.95
115/230	60	720 VCT 90 ma 5.3x4.6x3.5	7	#TS-19/TRA		\$7.95
		6.4 V 4 A, 6.4 V 2.6 A				
115/230	600 VCT 200 ma 4.5x5.3x3.5	10	#T103/C292			\$8.95
		6.4 V 1.85 amp, 5 V 2 amp				
115	60	342 VCT 350 ma 3.5x4.8x4.1	11	#PL-T216		\$10.95
		300 VCT 1.15 A intermittent				
105-125/210-250	1000 VCT 250 ma 8x8x6	23	#T1/CV157			\$14.95
115	60	500 VCT 10 ma 2.5x3x2.3	3	#PHC-10		\$3.95
		6.3 V 0.6A, 6.3 V 1.2 A				
115	60	2/550 V 40 ma 3.8x3x2.3	4	GE#68680		\$4.95
		(tapped @ 280 V)				
115	60	965 VCT 120 ma 4.8x4.3x3.9	9	GE#68681		\$7.95
115	60	570 VCT 40 ma 3.5x3x2.8	5	#T1/TA182		\$4.95
		(220 VCT 55 ma int), 6.3 V 3 amp				
115	60	500 VCT 150 ma 5x4.5x3.8	10	#MB1281		\$5.95
		500 VCT 100 ma, 6.3 VCT 3 amp				
115	60	500 V 100 ma 5x5x3.5	8	GE#7467177		\$5.95
		tapped 300 V, two 5 V 3 A				
115/230	60	500 VCT 50 ma 4.3x3.5x3.9	9	#T1/TG-34		\$6.95
		6.3 V 5 A				

LOW VOLTAGE TRANSFORMERS


PRI	HZ	SECONDARY	SIZE	WT	STOCK #	PRICE
115v	60Hz	6V/1A 45VCT/.5A	3x2x2 1/2	2LB	#1461312	\$2.95
220/440	60	three 2.5 V 5 A 6x7x4.5	13	#UB370		\$8.95
		2.5 V 15 A, 3 KV test				
115	60	12 to 29.7 V 3.5x4x4.2	11	Stancor RT-206		\$12.95
		(24/11.5 VDC 6/12 amp choke input)				
115	60	Two 2.5 V 6 A 3.6x4.5x3.2	8	#F1L-T216		\$8.95
		12.6 VCT 6 amp				
220v	60Hz	2.5vctw 5vct w 3a	4x3x3 1/2	9	THR-8708	\$3.95
115	60	6.5 VCT 11 A, 4x6x3 1/2	16	#FT2550		\$8.95
		6.5 VCT 6.2 A, 5.2 VCT 4.4 A, 6.5 V 7.8 A				
115	60	24 VCT 50 VA 2x3x2 1/2	3	#BRL1269001		\$5.50
115	50-400	34/2.7 A 3.0/250 MA	4x4x4 1/2	14	853-6026	\$4.50
115	50/60	5 1/2 @ 1.5 A RD.4x2 1/2	6	869-2849		\$4.95
		5 1/2 @ 1.0 A				
115	60	2.5 VCT 10 A (10 KV) 3x5.3x3.3	6	#T2/610		\$6.95
115	60	2.5 V 10 A 10 KV insul 4x3x3 1/2	8	#229611.144		\$2.95
117	60	31V, 3.27A, 15.5V 3x4x4 1/2	10	5950-9195		\$3.95
		51A, 23VCT, 21A. 24V @ 85 A				
215 V	60 Hz	2.5 VCT 10 A.; 4x3x3 1/2	12	#2253		\$2.95



AUTOTRANSFORMER
UTC #R-44
220/240 V to 110/120 V 50/60 Hz 250W on box w/4-breakers, relay, flange mount.
O/A 6x10x4 1/2, \$9.



PRI: 115 V 60CYC
SEC: 850CT 280MA 280CT 10MA
5 V 5 A
6.3 V 600MA 36 V 5 A
5x5x7 1/2: 28 LBS.
#5950-646-3943 \$6.95



115 VAC 60 Hz primary 2240 V CT 245 MA 3940 WV sec. 7.5x5x6.3; 35 lbs. #SMB202-907, \$20.
#SMB-202912, 448 V CT 20 ma; 2x3x2 1/2 3 lbs. Used \$2.50

5000 VCT 325 MA

PRI: 115 VAC 60 Hz
SEC: 5000 VCT 325 ma, 7 KV rms test 7.5x9.5x5.5, 80#. #T402/AM2353, \$45.

PRI: 115V50/60Hz
SEC: 1860Vct @ 130 ma. 1500 wv 5x4x4 1/2; 18 lb #SMB202-909 \$15

PRI: 200/220/240 VAC 60 Hz.
SEC: 1400 VCT 350 ma, 3 KV test; 6x6x5.3, 27 lbs. #CS-5566, \$16.95

PRI: 120 VAC 60 Hz
SEC: 2000 VAC 125 UA, 400 VCT 25 ma 6.3 V 1.2 amp, 26 V 400 ma. 3.5x4.3 x3.3, 6 lbs sh. #T101/CP95, \$5.95

POWER SUPPLY TYPE

115 VAC 60 Hz primaries Unused

#BRL2696: 19 V 1.5 amp, 19 V 2.5 A, 10 V 4 A; 3x4x3 1/2, 7 lbs sh. \$4.95 10 for \$45.00

#PT-09: 48 VCT 2.5 amps; 3x3x3 1/2, 6 lbs sh. \$5.95

#SR-448: 36 VCT 2 amps; 3.5x2.9x2.3 3 lbs. Used \$4.95

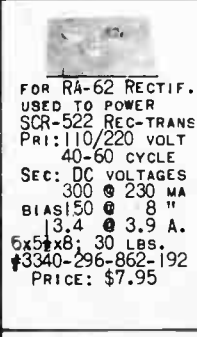
#TRA-1577: 15 VCT 3 amp, 5 V 1 A, 2x3x3 1/2, 4 lbs. \$3.95

#EMC-56: 50 VCT 3A 3x3x3 1/2, 8 lbs. \$5.95 ea; 10/\$54.

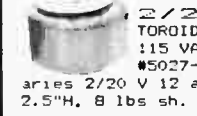
10V. 75 A

PRI: 220 VAC 60HZ
SEC: 10 VCT 75A. Requires 6 mfd capacitor 660 AC 6x4x5 1/2; 24 lbs. #BRL6114781 \$18.95

PRI: 105-130 VAC
SEC: 600 VCT 80 ma 6.3 V 3 amp, 5 V 2 A. 4.1x3.5x4.6; 10 lbs. #193-8636, unused, \$6.95




FOR RA-62 RECTIF. USED TO POWER SCR-522 REC-TRANS
PRI: 110/220 VOLT 40-60 CYCLE
SEC: DC VOLTAGES 300 @ 230 MA BIAS @ 8" 13.4 @ 3.9 A. 6x5x8; 30 LBS. #3340-296-862-192 Price: \$7.95



2/20 V 12 A TOROIDAL-STYLE, 4.5" dia 115 VAC 60 Hz primaries; #5027-PI803 with secondaries 2/20 V 12 amps. 2.5"H, 8 lbs sh. NEW. \$16.95

ART-13 MODULATION

ART-13 MODULATION TRANSFORMER 50 WATT 300-4000 RESPONSE 2DB, PRI. TO SEC. 1/1.695, PRI. TO SEC. 2/1.254, 2 SEC. 1/15000 2 SEC. 1/7300, TEST 4000 v. 4x3x2 1/2 4 LBS. COLLINS#677N252 RE-MOVED \$3.95



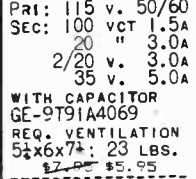
PRI: 115 v. 50/60
SEC: 3/17 v. 5 AMP 28 v. 10 "

WITH CAPACITOR REQ. VENTILATION 4x5x7 1/2; 20 LBS. GE-9T91A4074 \$11.95 \$8.95

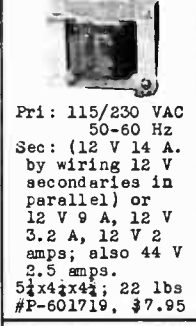
PRI: 115 v. 50/60
SEC: 100 VCT 1.5A 20 " 3.0A 2/20 v. 3.0A 35 v. 5.0A

WITH CAPACITOR GE-9T91A4069 REQ. VENTILATION 5x6x7 1/2; 23 LBS. \$7.95 \$5.95

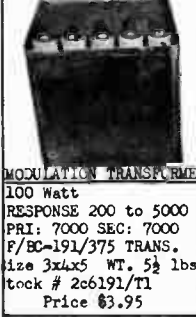
PRI: 115/230 VAC 50-60 Hz
SEC: (12 V 14 A. by wiring 12 V secondaries in parallel) or 12 V 9 A, 12 V 3.2 A, 12 V 2 amps; also 44 V 2.5 amps. 5x4x4 1/2; 22 lbs #P-601719, \$7.95



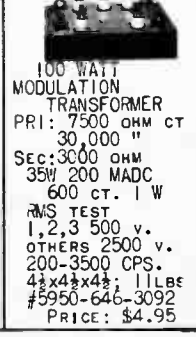
115 VAC 60 Hz primary; wire leads Removed f/ Sun power supplies: SUN #700-91432, 14 VCT 7.5 A two 30 VCT 2.5 A, 30 VCT 1.2 A, 50 VCT 2 A, 12 V 2 A 54 V 2 A 6.3 V 2 A; 4.5x5.8 x5.5, 13 lbs. \$7.50 SUN #778392, 36 VCT 4 A, 11 V 15 A, 30 V 2 A, 19 V 2 A; 4x5.3 x4.8, 16 lbs. \$7.95



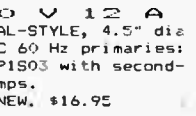
PRI: 115/230 VAC 50-60 Hz
SEC: (12 V 14 A. by wiring 12 V secondaries in parallel) or 12 V 9 A, 12 V 3.2 A, 12 V 2 amps; also 44 V 2.5 amps. 5x4x4 1/2; 22 lbs #P-601719, \$7.95



100 WATT MODULATION TRANSFORMER RESPONSE 200 to 5000 PRI: 7000 SEC: 7000 F/BC-191/375 TRANS. size 3x4x5 WT. 5 1/2 lbs. stock # 266191/T1 Price \$3.95



100 WATT MODULATION TRANSFORMER PRI: 7500 OHM CT 30,000 " SEC: 3000 OHM 35W 200 MADC. 600 CT. 1 W RMS TEST 1, 2, 3 500 V. OTHERS 2500 v. 200-3500 CPS. 4x4x4 1/2; 11LBS #5950-646-3092 PRICE: \$4.95



2/20 V 12 A TOROIDAL-STYLE, 4.5" dia 115 VAC 60 Hz primaries; #5027-PI803 with secondaries 2/20 V 12 amps. 2.5"H, 8 lbs sh. NEW. \$16.95

TRANSFORMERS LISTED BELOW HAVE 115 VOLT 60 HZ PRIMARIES UNLESS OTHERWISE STATED

Sec: 18 V 5.4 A, 26 V 1 A, 6 V 900 ma, 25 V 500 ma, 35-10-0-10-35 V 5 A. 4x4x4 1/2, 16 lb #401-21 unused \$8.95

Sec: 40v 2.5A/6.3v 1.5A 3x3x5 1/2; 10 LBS. #43278 \$4.95

Sec: 250 V tapped 50 V 120 ma, 4 KV test. 4x6x3 1/2, 9 lbs sh. #BP-18587 used \$6.95

Sec: 30 vct 560 ma 40 vct 450 ma 2x2x2 1/2; 2 lbs. #401-6 \$3.00

Sec: 450 VCT 250 MA. 40 VCT 1 A, 2/6V 1A. SIZE: 3x3x4 1/2; 9 LBS. URC#702-704-00 \$6.95

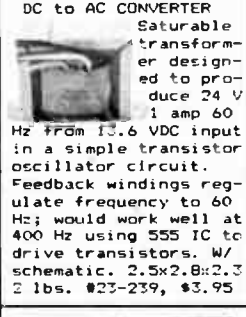
Sec: 50v @ 100ma / 3v @ 100 MA / 40v @ 1.5A / 40v @ 200MA SIZE: 2x2x2 1/2; 2 1/2 LB. URC#372993-1 \$3.95



115 VAC 60 Hz primary; wire leads Removed f/ Sun power supplies: SUN #700-91432, 14 VCT 7.5 A two 30 VCT 2.5 A, 30 VCT 1.2 A, 50 VCT 2 A, 12 V 2 A 54 V 2 A 6.3 V 2 A; 4.5x5.8 x5.5, 13 lbs. \$7.50 SUN #778392, 36 VCT 4 A, 11 V 15 A, 30 V 2 A, 19 V 2 A; 4x5.3 x4.8, 16 lbs. \$7.95

48 VCT 25 A

REGULATING TRANSFORMER Pri: 105 125 60 Hz SEC: 48 VCT 25 amp W/capacitor. 7.5x7x6, 50#. GE#9T91Y149. \$32.



DC to AC CONVERTER Saturable transformer designed to produce 24 V 1 amp 60 Hz from 115 VDC input in a simple transistor oscillator circuit. Feedback windings regulate frequency to 60 Hz; would work well at 400 Hz using 555 IC to drive transistors. W/ schematic. 2.5x2.8x2.3 2 lbs. #23-239, \$3.95

2/20 V 5 A

TOROIDAL-type, 4.5" dia X 1.6"H; 115 VAC 60 Hz primary. Sec: 2/20 V 5 amps; 4 lbs #4365-PI82 NEW \$8.95

PRI: 115 VOLT 60 HZ. SEC: 130 VCT @ 200 MA SIZE: 3x2x2 1/2; 2 LB. URC#8316423 \$2.50

Sec: 26.8 vct 1 A. 2x2 2x2, 2 lb. #401-17 \$3

Pri: 115/230 V 60 Hz Sec: Dual 64 VCT 2 amp; 5.8x4.6x5.5 15 lbs. Unused \$15. \$12.

10 VCT 8 A

secondary from 115 VAC 60 Hz pri; 2500 V ins. 3.1x3.8x3, 4 lbs STANCOR P4097, \$10.95

24 VCT 10 A

secondary from dual 115 VAC 60 Hz primary. 3.8x3.3x4.3, 9 lbs sh. MWC #1411-10, \$14.95

Sec: 40 VCT 1 A. SIZE: 3x1x1 1/2; 1 1/2 LBS. URC#56000 \$2.95

Sec: 24.2A/6.3V 100MA 24x100MA. SIZE: 3x3x3 1/2 4 LB. URC-LT-646 \$4.95

Sec: 30 VCT 200 MA. 45 VCT 100 MA/2.5V30MA. SIZE: 2x1x1 1/2; 1 LB. URC#374501-1 \$2.95

SIGNAL TRANSFORMER Pri: 2/115 VAC 60 Hz Sec: 2/6.4 VCT 12 amp 4x3x3 1/2, 7 lbs sh. #DL-12.8-12 NEW \$14.95

2/18 VCT 6 A

PRI: 2/115 VAC 60 Hz SEC: 2/18 VCT 6 amp; wire for 18 VCT 12 A or 36 VCT 6 A. 4.5x 3.8x3.8, 10 lbs. Signal #DL-36-6, \$16.95

Sec: 125 V tapped 90 volts 3 amp. 4x4x3 1/2, 10 lbs. #225-3992, \$12

22 VCT 3 A.

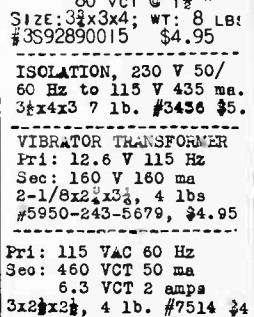
80 VCT 1.5 A.

PRI: 100 115 60 Hz. SEC: 22 VCT 3 AMP. 80 VCT @ 1 1/2" SIZE: 3x3x3 1/2; WT: 8 LBS. #3592890015 \$4.95

ISOLATION, 230 V 50/60 Hz to 115 V 435 ma. 3x4x3 7 lb. #3456 \$5.

VIBRATOR TRANSFORMER Pri: 12.6 V 115 Hz Sec: 160 V 160 ma 2-1/8x2x3 1/2, 4 lbs #5950-243-5679, \$4.95

Pri: 115 VAC 60 Hz Sec: 460 VCT 50 ma 6.3 VCT 2 amps 3x2x2 1/2, 4 lb. #7514 \$4

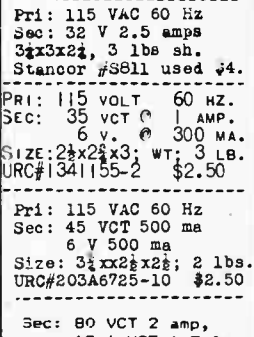


PRI: 115 VAC 60 Hz SEC: 32 V 2.5 amps 3x3x2 1/2, 3 lbs sh. Stancor #S811 used \$4.

PRI: 115 VOLT 60 HZ. SEC: 35 VCT @ 1 AMP. 6 v. @ 300 MA. SIZE: 2x2x3 1/2; WT: 3 LB. URC#1341155-2 \$2.50

Pri: 115 VAC 60 Hz Sec: 45 VCT 500 ma 6 V 500 ma SIZE: 3x2x2 1/2; 2 lbs. URC#203A6725-10 \$2.50

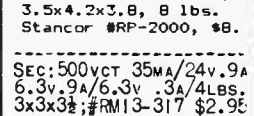
Sec: 80 VCT 2 amp, 12.6 VCT 1.5 A; 3.5x4.2x3.8, 8 lbs. Stancor #RP-2000, \$8.



PRI: 115 VAC 60 Hz SEC: 26.8 vct 1 A. 2x2 2x2, 2 lb. #401-17 \$3

Sec: 24 VCT 3.5 A, 40 VCT 575 ma. 105 V, 350 ma, 90 V 150 ma. 4.5x3.8x3.3, 8 lbs sh #KAL-2334, NEW, \$5.95

Pri: 115/230 V 60 Hz Sec: Dual 64 VCT 2 amp; 5.8x4.6x5.5 15 lbs. Unused \$15. \$12.



Sec: 500VCT 35MA/24V.9A 6.3V.9A/6.3V .3A/4LBS. 3x3x3 1/2; #RM13-317 \$2.95

TRANSFORMERS

40 VCT 9 A

22 V 15 A
Pri: 100/115 VAC
Sec: 40 VCT 9 amp,
22 V 18 amps.

5x5x6, 32 lbs.
#7213-4112, \$15.
As above, but sec
39.8 VCT 8.5 A,
22.7 V 12 amps.
#5602-1500, \$12.



Pri: 115 V 60 Hz
Sec: 15 V 3 AMPS;
13 V 2 A;
6.3 V 7 A.
WITH CAPACITOR,
4x3x3, 13 lbs.
#PV-175-9, \$4.95

AUDIO

STANCOR audio NEW:
#A3837, pri 500-
500 ohm; sec 0.06
to 48 ohm 15 watt
2.9x2.4x2, 2# 84.
#A8085, pri 70.7 V
line 156/312/525/
1250 ohm; sec 8
4/2/1/0.5 W. 2.8x
1.6x1.4, 2# 82.95
#A8089, same as
A8085 except for
25 V line, \$3.00

Pri: 600 ohms
Sec: 8 ohms 2 W
1.6"Hx1.3" dia
#T1/LS166, \$5.
Pri: 250/4000 ohm
Sec: 150, 600Ω CT
400-2000 Hz; 1x
1x2x2, 2 lbs sh.
#C-280/RM-39 \$3.

Pri: 25000 ohms
Sec: 4 ohms; 5
watt. 1.4x2.4
x1.4, 1 lb. Stan-
cor #A-3327, \$3.
Pri: 6000 ohm
Sec: 6000 ohm 20W
200-5000 Hz.
3.5x3.5x2.9, 4#.
TCS #677N201, \$8.

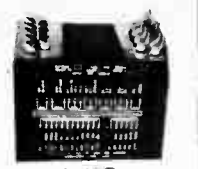
Pri: 7000 ohms
Sec: 4000 ohms tap-
ped 250 ohms; 200-
8000 Hz. 1x3x1x1,
1 lb. #247-9236 \$2.

Pri: 10000 ohms
Sec: 600 ohms CT
1 W; p/o R-390A.
1.5x2.1x1.5, 1 lb
sh. #AF/390A, \$5.
Pri: 4300 ohm CT
Sec: 500 ohm CT &
3 ohm CT, 10 W.
2.8x4x2.8, 4 lbs
#189-3742, \$5.95

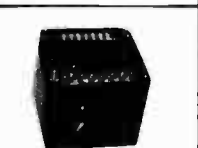
Pri CT to match 5K
ohm PP 2A3 plates;
sec 9K CT to match
PP 100TH grids (B)
3.5x3.1x2.5, 4# sh
#55B030, used, \$6.

INTERCOM AUDIO
Pri: 45-50 ohms
Sec: 3-4/6-8 ohms
8 watts. 2x1.5
x1.5, 1 lb. Stan-
cor #A8091, \$3.50

INPUT TRANSFORMER
Pri: 150 ohms CT
Sec: 150,000 ohms
100-8000 Hz 1.5w
2x1-7/8 dia, 1
lb. #5535, \$3.50



**1-17
TUBE CHECKER
TRANSFORMER**
SIZE: 4x4x4, 5.1 LB
STK. # 229613.667
PRICE: \$4.95



Pri: 26/115/230 V
60 Hz.
Sec: 13 V 8 AMPS
TWO 230V WINDINGS
TO SUPPLY 370 VDC
600 MA.
5x5x5, 22 lbs.
229613.514 \$7.95

Pri: 115/230V 60Hz
Sec: 12/24 V 4/2 A
2x3x2, 2 lbs sh.
Stancor P6377 \$5.



**ALL PRIMARIES
115 VOLT 60 CYCLE**
Sec: 6V @ 500 MA.
1x1x1, 3 oz.
URC#137B648 \$1.25

Sec: 6.3 v. 1 amp
1x1x1, 4 oz.
BE16073-001 \$1.50

Sec: 6.3 VCT 2 amp
2x2x1, 1 lb.
Stancor P-2945 \$3.

Sec: 2/30 V. 250 MA
2x1x1, 4 oz.
URC#60605 \$1.50

Sec: 6.3 VCT 1.5 A
2x2x2, 1 lb sh.
#F-16X, NEW \$1.95

Sec: 12 V 2 amps
2x2x1, 1 lb sh.
#37-7622 NEW \$2.25

AUDIO BANDPASS
2320 Hz peak, 1285-
4200 Hz Band Width;
Pri 600/250 ohms
Sec: 120000 ohms
2x2x1, 4 lbs sh.
#321892-19, \$4.95

MIC TRANSFORMER
Pri: 50 ohms 30 MA
Sec: 500 ohms, 400
to 1900 Hz. 1x1x1
x1, 1 lbs sh.
#T204/PP-115 \$2.00

Pri: 500 ohms CT
Sec: 500 ohms CT,
600-12000 Hz; 2x2
x2, 2 lbs sh wt.
#T203/PP-115 \$2.00

INPUT TRANSFORMER
Pri: 500 ohms
Sec: 20000 ohms CT
150-3000 Hz 0.4 W
1-5/8x2-3/8x1-5/8,
1 lb. #55C162, \$3.

LOW VOLTAGE TRANSFORMERS

ALL PRIMARIES 105/110/115
120/125 VOLTS 60 CYCLE.

Sec: 6.6 v. 18 AMP
3x5x4; 12 LBS.
GE#9T35Y159 \$4.95
Sec: 6.3V 2.75A/6.3
V 5.5A, 2.5 KV test
5x3x3 #7629805 \$6.

Sec: 17 V 1.5 A, 19 V 1.5 A
2.5x3x2.5, 7#. #54-995, \$4.
Sec: 5 VCT 12.6 A, 3.5x4.5
x3, 7#. #T3/6101, used, \$7.

Sec: 5 VCT 30 A 4500 V test
4.5x6x4 16#. #T503/2353 \$15

Sec: 6.3x3.1a/6.3x2.5a/6.3
x.45a/6.3x.30a/2-5.0a2 amp.
TF1A013A \$3.95

Pri: 100-130 VAC 60 Hz
Sec: 6.3 V 25 A; 11x5x5, 28
lbs. SOLA #302237, \$12.

Sec: 2.5 VCT 10 A 2500 V
insulation; 2.5x2.5x3, 3
lbs. Stancor #P3024, \$4.95

Sec: 12.5 V 2 amp, 150 V
2 A; 4x3x4, 13 lbs sh.
#773605, unused, \$6.96

Sec: 6.5 vct @ 3.4a/6.5vct
@ 13.7a/5.2v @ 6.3a/5.2v @
2.1a. 4x3x6; 15 lbs.
TRC-SMB-202910 \$6.95

Sec: 6.3 VCT 8 A, 3.5x4x3,
5 lbs sh. #890260 used, \$5.
Sec: 5 VCT 5 amp; 3.8x3.2x5
4 lbs sh. #229625, \$3.95

Sec: 6.3 VCT 0.6 A, 1.5x1.8
x1.5, 1#. Stncr #P4465 \$1.50

**FLYBACK TRANS-
FORMER, 5 V**
input yields
300 V 80 KHz
output; use in
bug zapper etc
#FLY-800402K, \$1.95; 3/\$5.

Pri: 115 V 60 Hz.
Sec: 900 VCT 130 MA.
5x5x3; 13LB. 229612-38 \$8

MODULATION
Pri: 8000 load 250 ma sec
2800 load 300 ma. 200 Hz-
20 KHz 120 watts. 8x4x4
30 lbs. #T201/LD-141, \$12.

Pri: 21000 load; sec 8000Ω
ct 250 ma, 150-3000 Hz 250
W 7 KV test. 7x4x4, 28
lbs sh. #229633/610, \$15.

**ISOLATION TRANS-
FORMER, 110/115/
120/210/220**
primary;
Sec: 135 V 1 A
6.3 V 5 amps
Switch taps secondary 150/
125/100/75/50 V no load
from 115 V input. 3x2x4, 7
lbs. #P-126J875, \$7.95

HIGH VOLTAGE TRANSFORMERS

DC POWER SUPPLY
Pri: 115V 60 CY
SEC: -8000 v.
-6.25-1 MA.
-120V @ 15 MA
-24V @ 1.2 A
-16V @ .45 A

SIZE: 4x4x9; WT: 15 LBS.
#GE9T63Y2280G03 \$14.95

370 VA ISOLATION
Pri: 100/120/
220/240/260 V
Sec: 70-35-20-
20 volt. Use
secondaries in
series for 105
-110-125 V 3 amp load, 5 A
intermittent. 5.3x4.4x4.5.
17#. #BE15141, NEW \$16.95

Pri: 115 VAC 60 Hz
Sec: 900 VCT 250
MA.
4x4x3, 15 lbs.
#SS-S-P243, \$7.95

Pri: 115/230 V. 60 Hz.
Sec: 520 VCT @ 90 MA.
6.3v/1.5 A. 6.3vct 4A.
SIZE: 4x5x3; WT: 7 LBS.
#TBRX03LB/FGC-29 \$5.95

CHOICE FOR ABOVE 10/25 HY.
125/15 MA. 4x3x4; 4 LBS
#TFRX04L9/FGC-29 \$5.95

Pri: 115/118/121/124 VAC
Sec: 42 VCT 2.5 amp, 2 VCT
12 amp; 6.3x5.8x4.8, 14
lbs sh. #253-2593, \$8.95

IGNITION TRANSFORMER
Pri: 115 VAC 60 Hz
Sec: 7000 V 3.75 ma
4x5x4, 6 1/2" mtg; 10 lb
#9T63Y306804 used \$8.

Pri: 115/230 V 60 Hz
Sec: 920 VCT 100 ma
4/6.3 V 8 amps, 5 V
6 A, 5 V 2 amps
5x5x6, 20 lbs sh.
Paeco #910-96R \$12.

Sec 2500 V 5 ma, 2.5 V 2 A,
6.3/2.5 V 3 A; 3.5x4x3.3, 7
lb sh. #25R29U, used, \$7.95

SOLAT ON



**DUAL PRIMARY, each 100/
110/120 VAC 60 Hz; can be
wired for 200/220/240 V
input. Secondary 120 V
1.1 amp tapped 100 V 1 A;
8 V 2 A -0-8 V 1 A; and
16 V 1.5 A -0-16 V 1 A.**

Mounted on board w/AC soc
ket, fused secondaries, in
diagram. Xformer 5x4x4,
20 lbs sh. #97313, NEW:
\$12.95 each; 2/\$22.00

**2250 VCT (1750 V
working)**
from
115/230 VAC
0 Hz primary
6x4x4, 32
lbs. #TFLUX02Y used \$38.

335 V 300 MA, 6.3V 3A
from 115 VAC 60 Hz pri; replacement
xformer for DRAKE transceiver. 3.8x
3.3x3, 7 lbs. #17-61914, NEW, \$8.95

4800 Hz VCT 475 MA
or 5670
VCT 321
ma 7500
WV; 115/230 VAC 60 Hz primary. 9x
10x8, 110 lbs. #229621/610, \$65.00



**CONSTANT VOLTAGE
TRANSFORMERS; 95
TO 130 VAC 60 Hz
PRIMARY; WITH
CAPACITORS. SOLA
AND OTHER MFGS.
REMOVED FROM E-
QUIPMENT.**

Sec: 6.3v @ 2.38a
as 5x3x3, 12; 8lb
581-5333 \$5.95

Sec: 24 VDC 5 AMPS
SIZE: 4x3x5 15LB
#22661-1 \$9.95

Sec: 25-27VDC 3.5 A
AMPS; 5x3x4, 11LB
#22662 \$6.95

COMMERCIAL GRADE TRANSFORMERS
suitable for constructing DC
regulated power supplies or
other. All 115 VAC 60 Hz pri-
maries; end bell style with wire leads. NEW:

#757-2658, 80 VCT 1.5 amp (3 A int), 115
230 V pri; 3.8x4x3.1, 9#. \$5.95

#TS-465, 44 VCT 3.5 amp, 30 VCT 1.2 A,
9 V 1 A; 4x3x3, 7 lbs. \$5.75

#701-221, 46 VCT 3.5 amps, 7.5 V 2 A;
4x3x3, 6 lbs sh. \$5.95

#TA-600, 48 VCT 3.75 amps, 48 VCT 1 A;
4x3x3, 8 lbs sh. \$5.85

#701-129, 50 VCT 2 amps, 6 V 2 A;
3x3x3, 5 lbs sh. \$4.95

#701-203, 55 VCT 4.5 amps, 7 V 2 A;
4x4x3, 10 lbs sh. \$7.95

#701-205, 2/55 VCT 4 A; 4x4x4 10 lb. \$9.95

#701-206, 115/230 VAC primary, secondary two
55 VCT 3 A; 4x4x3, 10 lb. \$9.50

AUDIO FILTER
115 V 200 ma, 6.3
V 6.25 A; 2x3x3
5 lbs sh., \$4.95
#435-2054, 435 V
370 ma; 2x3x3
8 lbs sh, \$7.95
#1000-2054, 865/
930/1000 V 300
ma; 3x4x4, 14
lbs sh., \$11.95

Pri: 115 V 60 Hz
Sec: 900 VCT 180
ma; 4x5x3, 8
lbs. #74618 \$7.95

Pri: 115 V 60 Hz
Sec: 900 VCT 64
ma; 5x3x4, 12
lbs. #746-7167 \$4

Pri: 115 V 60 c
Sec: 6.3 V 3.6 A
15 V 0.04 A
15 V 0.04 A
SIZE: 3x3x3, 4 LBS
STK#ORD7629806
PRICE: \$1.50

Sec: 115 V 75 ma, 2.5 V 5A,
5.3 V 6 A, 6.3 V 3 A, 6.3V
1.8 A; 4 KV insulation.
4x7x6, 12 lbs. BP18585 \$8.

STEP-UP/STEP-DOWN XFORMER
Pri: 115 VAC 60 Hz
Sec: 208/220 VAC 150 W; 4x
3x3, 8 lbs. #SU-SD150 \$8.

5030 VCT 500 MA
sec; pri 115 VAC 60 Hz.
P/o BC-6108; 12x11x10 115
lbs sh. #229612-1, \$67.50

32 V 3.5 AMP
Pri: 115 VAC 60 Hz
Sec: 32 volt 3.5 amps
Open frame-style. 3.3x2.8
x2.3, 4#. #X5157308 \$5.95

TRANSFORMERS
COMMERCIAL GRADE TRANSFORMERS
suitable for constructing DC
regulated power supplies or
other. All 115 VAC 60 Hz pri-
maries; end bell style with wire leads. NEW:

#757-2658, 80 VCT 1.5 amp (3 A int), 115
230 V pri; 3.8x4x3.1, 9#. \$5.95

#TS-465, 44 VCT 3.5 amp, 30 VCT 1.2 A,
9 V 1 A; 4x3x3, 7 lbs. \$5.75

#701-221, 46 VCT 3.5 amps, 7.5 V 2 A;
4x3x3, 6 lbs sh. \$5.95

#TA-600, 48 VCT 3.75 amps, 48 VCT 1 A;
4x3x3, 8 lbs sh. \$5.85

#701-129, 50 VCT 2 amps, 6 V 2 A;
3x3x3, 5 lbs sh. \$4.95

#701-203, 55 VCT 4.5 amps, 7 V 2 A;
4x4x3, 10 lbs sh. \$7.95

#701-205, 2/55 VCT 4 A; 4x4x4 10 lb. \$9.95

#701-206, 115/230 VAC primary, secondary two
55 VCT 3 A; 4x4x3, 10 lb. \$9.50

Pri: 115 V 60 Hz
Sec: 900 VCT 180
ma; 4x5x3, 8
lbs. #74618 \$7.95

Pri: 115 V 60 Hz
Sec: 900 VCT 64
ma; 5x3x4, 12
lbs. #746-7167 \$4

Pri: 115V 50-133cV
Sec: 20 VOLT LOAD
OR 12.5V @ 2 AMPS
MOUNTED ON 4" RO.
ELECT. BOX COVER
3x3x2, 2 LBS.
#FR-24960 \$1.25

CHOKES

10 HY 500 ma 43 ohm 1000 WV
5 1/2 x 5 x 6 24 lbs. SM202916 \$9.00

19 HY 105 ma 170 ohms; 3.3:
4.3x3.4. CRV70390, \$5.00

4 HY 650 ma 25 ohm 1.07 kv
6 1/2 x 5 x 4 1/2 20 lb GE7485547 \$9

6 HY 150 ma 125 535WV 2.3x
2.9x2, 3#. #L601/390A \$3.50

2 HY 100 ma 100 ohms 2 KV
test; 2x1 1/2 x 1 1/2 #T56379 \$2.00

10 HY 150 ma 150 ohm 500WV
3.3x3.4x4, 5#. #L3-AH20 \$5

7 HY 200 ma 140 ohms; 3x3 1/2
x2 1/2, 5 lbs. Kenyon T152, \$5

4 HY 550 MA 40 ohms \$4.95
3 1/2 x 4 x 4; 7 lb Paeco 911-39

5 Hy 500 ma 30 ohm, 536 WV
4.3x5.3x4.5, 15#. #B600, \$5

4 HY 400 ma 70 ohms 450 Vrms;
3 1/2 x 3 1/2 x 3, 6 lbs.
#SMD-422-746 \$4.

4 HY 300 ma 70 ohms 1000 V
rms; 3 1/2 x 3 1/2 x 3 #SMD422768 \$4.

1 HY 700 ma 11 ohms 1K WV;
5 1/2 x 3 x 3 1/2, 9 lbs. L101/141 \$3

2 HY 700 ma 23 ohms 1K WV;
5 1/2 x 3 x 3 1/2, 9 lbs. L201/141 \$4

6 HY 250 ma 105 ohm 2 KV-T
4.3x3.5x3, 8# #L123/610 \$5.

20 Hy 16 ma 810 ohms; 3.2x
2.2x2, 2#. SMB202914 \$2.75

7 Hy 140 ma; 2.8x3.5x2.6,
4 lbs. GE#B06116, \$3.50

12 HY 80 MA 375 ohm \$1.50
3x2x2; 2 lbs. SAlN20C53

150 MA AVAILABLE VARIOUS
HY TELL US YOUR NEED.

3 HY 350 MA 30 2K PV; 3 1/2 x
4 1/2 x 2 1/2, 6 lb. L-225/PP115 \$3

3.5 HY 200 ma 90 V 1 KV RMS
3 1/2 x 4 1/2 x 3, 4 lbs. #7629828 \$3

TUNED REACTOR, 210 mHY 1 A
choke in circuit with 8 mf
and 4 mf capacitors; switch
selects 50 or 60 Hz operation.
1.5 ohms max DC res.
4 1/2 x 6 x 4 1/2 10 lbs. USC3416 \$8.

PRI: 60 V 60 Hz. SEC: 2130
V 16 ma, 112 V 4 ma. 4 1/2 x 6
x 4 1/2, 10 lbs. #HA131P \$8.95

1 hy 235 ma
80 ohm
2x2x1 1/2; 8 oz
#0146 \$2.00

34 HY 35 MA
360 ohm; 2.6x
3.3x2.5, 3#. #L1/1193 \$3.50

5.5 HY 325 MA
4500 v test
5.3x4.1x4.6,
15#, #L1/AH-
2353, \$6.00

AMP P/N 845321 3
PRI 5v 60Mz
SEC: 10,000VAC 100MA
5x5x4, 10LBS. \$20

ACE HV POWER SUPPLY as on
page 10, 3000 VDC 50 ua
output from 115 VAC 60 Hz
input. Includes 2/1B3 tubes
6x7x2, 8 lbs sh wt. Unused.
#ACE-HV3000, \$5.95 2/\$10.

PRI: 112/117/122v. 60 Hz.
SEC: 228v @ 15 MA.
360v @ 125 MA. TAPPED
@ 7v/332/346
6.6 v. 4.2 AMP.
5x3 1/2 x 3 1/2; 8lb. 2Z9613-869 \$5

HV OSCILLATOR TRANSFORMER
r/HP-160 & USM-105A scopes;
used with 50 Khz 6A45 os-
cillator. Two HV windings
approx 5000 V each. 2 1/2 x 2 1/2
x 2 1/2, 2 lb. #3862 NEW \$35.

3 HY 350 MA 30 2K PV; 3 1/2 x
4 1/2 x 2 1/2, 6 lb. L-225/PP115 \$3

3.5 HY 200 ma 90 V 1 KV RMS
3 1/2 x 4 1/2 x 3, 4 lbs. #7629828 \$3

TUNED REACTOR, 210 mHY 1 A
choke in circuit with 8 mf
and 4 mf capacitors; switch
selects 50 or 60 Hz operation.
1.5 ohms max DC res.
4 1/2 x 6 x 4 1/2 10 lbs. USC3416 \$8.

PRI: 60 V 60 Hz. SEC: 2130
V 16 ma, 112 V 4 ma. 4 1/2 x 6
x 4 1/2, 10 lbs. #HA131P \$8.95

1 hy 235 ma
80 ohm
2x2x1 1/2; 8 oz
#0146 \$2.00

34 HY 35 MA
360 ohm; 2.6x
3.3x2.5, 3#. #L1/1193 \$3.50

5.5 HY 325 MA
4500 v test
5.3x4.1x4.6,
15#, #L1/AH-
2353, \$6.00

AMP P/N 845321 3
PRI 5v 60Mz
SEC: 10,000VAC 100MA
5x5x4, 10LBS. \$20

ACE HV POWER SUPPLY as on
page 10, 3000 VDC 50 ua
output from 115 VAC 60 Hz
input. Includes 2/1B3 tubes
6x7x2, 8 lbs sh wt. Unused.
#ACE-HV3000, \$5.95 2/\$10.

PRI: 112/117/122v. 60 Hz.
SEC: 228v @ 15 MA.
360v @ 125 MA. TAPPED
@ 7v/332/346
6.6 v. 4.2 AMP.
5x3 1/2 x 3 1/2; 8lb. 2Z9613-869 \$5

HV OSCILLATOR TRANSFORMER
r/HP-160 & USM-105A scopes;
used with 50 Khz 6A45 os-
cillator. Two HV windings
approx 5000 V each. 2 1/2 x 2 1/2
x 2 1/2, 2 lb. #3862 NEW \$35.

3 HY 350 MA 30 2K PV; 3 1/2 x
4 1/2 x 2 1/2, 6 lb. L-225/PP115 \$3

3.5 HY 200 ma 90 V 1 KV RMS
3 1/2 x 4 1/2 x 3, 4 lbs. #7629828 \$3

TUNED REACTOR, 210 mHY 1 A
choke in circuit with 8 mf
and 4 mf capacitors; switch
selects 50 or 60 Hz operation.
1.5 ohms max DC res.
4 1/2 x 6 x 4 1/2 10 lbs. USC3416 \$8.

PRI: 60 V 60 Hz. SEC: 2130
V 16 ma, 112 V 4 ma. 4 1/2 x 6
x 4 1/2, 10 lbs. #HA131P \$8.95

1 hy 235 ma
80 ohm
2x2x1 1/2; 8 oz
#0146 \$2.00

34 HY 35 MA
360 ohm; 2.6x
3.3x2.5, 3#. #L1/1193 \$3.50

5.5 HY 325 MA
4500 v test
5.3x4.1x4.6,
15#, #L1/AH-
2353, \$6.00

AMP P/N 845321 3
PRI 5v 60Mz
SEC: 10,000VAC 100MA
5x5x4, 10LBS. \$20

ACE HV POWER SUPPLY as on
page 10, 3000 VDC 50 ua
output from 115 VAC 60 Hz
input. Includes 2/1B3 tubes
6x7x2, 8 lbs sh wt. Unused.
#ACE-HV3000, \$5.95 2/\$10.

PRI: 112/117/122v. 60 Hz.
SEC: 228v @ 15 MA.
360v @ 125 MA. TAPPED
@ 7v/332/346
6.6 v. 4.2 AMP.
5x3 1/2 x 3 1/2; 8lb. 2Z9613-869 \$5

HV OSCILLATOR TRANSFORMER
r/HP-160 & USM-105A scopes;
used with 50 Khz 6A45 os-
cillator. Two HV windings
approx 5000 V each. 2 1/2 x 2 1/2
x 2 1/2, 2 lb. #3862 NEW \$35.

3 HY 350 MA 30 2K PV; 3 1/2 x
4 1/2 x 2 1/2, 6 lb. L-225/PP115 \$3

3.5 HY 200 ma 90 V 1 KV RMS
3 1/2 x 4 1/2 x 3, 4 lbs. #7629828 \$3

TUNED REACTOR, 210 mHY 1 A
choke in circuit with 8 mf
and 4 mf capacitors; switch
selects 50 or 60 Hz operation.
1.5 ohms max DC res.
4 1/2 x 6 x 4 1/2 10 lbs. USC3416 \$8.

PRI: 60 V 60 Hz. SEC: 2130
V 16 ma, 112 V 4 ma. 4 1/2 x 6
x 4 1/2, 10 lbs. #HA131P \$8.95

PRI: 115/230 VOLT:
SEC: 54.4vct 2.5A
37.5vct 7.8A

6 1/2 x 5 1/2 x 4 1/2: 20 LBS.
SCHOTT TV4RX020A
\$12.95

PRI: 117v 50/60
SEC: 6500vct
65MADC, 4350WV
5 1/2 x 6 1/2 x 7 1/2: 35LBS
539-6504 \$25.00

HIGH CURRENT CHOKES
#6220526, 85 mHY 10 amps;
0.49 ohms DC resistance.
4 1/2 x 3 1/2 x 4 1/2, 15 lbs. \$9.95

#6221188, 4 mHY 8.7 amps;
0.083 ohms DC resistance.
4x2 1/2 x 2 1/2, 4 lbs. \$4.95

#WE330A, 60 mHY 7.5 amps;
0.74 ohms DC resistance.
4 1/2 x 4 1/2 x 4, 12 lbs. \$7.95

#WE1059A, 6 mHY 15 A; 0.11
ohms DC res. Sealed-type.
5x4 1/2 x 4 1/2, 15 lbs. \$8.95

#WE1060A, 2 mHY 15 A; 0.14
ohms DC res. Sealed-type.
3 1/2 x 4 1/2 x 3 1/2, 8 lbs. \$5.95

#WE241C, 2.5 mHY 25 A; .25
ohms DC res. Sealed-type.
3 1/2 x 4 1/2 x 3, 7 lbs. \$7.95

SWINGING
CHOKES
2.5/12.5 HY
200/20 MA
2.5x3x1.9 3#
#L601/390A,
Used, \$4.

6.7 Hy 215 ma
2100 v test;
4:6.5:3.3, 8#
#UX6911, \$5.

1 hy 235 ma
80 ohm
2x2x1 1/2; 8 oz
#0146 \$2.00

34 HY 35 MA
360 ohm; 2.6x
3.3x2.5, 3#. #L1/1193 \$3.50

5.5 HY 325 MA
4500 v test
5.3x4.1x4.6,
15#, #L1/AH-
2353, \$6.00

10 HY 250 ma 850 ohm, 4x
3.4x5.3, 12#. #L1/T593, \$7.

10 HY 75 ma 268 ohms; 4x2 1/2
x 2 1/2; 3 lbs. #CS13886, \$3.

DUAL CHOKES
11 HY 100 MA
200 OHMS
4x4x5 1/2 WT 8
#3C557F-1
\$1.75

PRI: 115/230 VAC 50-400 Hz
SEC: 980 VCT 250 ma, 5 VCT
2 amps, 6.3 V 5 A; 6x4.8
x4, 12 lbs. #T1/T593, \$12

PRI: 115 VAC 50-60 Hz; Sec
850 VCT 340 ma 700 WV. 4 1/2 x
5 1/2 x 4 1/2, 17 lbs. #T2546 \$10.

PRI: 115 VAC 60 Hz; Sec:
870 VCT 250 ma 2 KV insula.
5x4 1/2 x 4, 12 lbs. #T5/610 \$8.

PRI: 115/230 VAC
SEC: 650 VCT 70
ma, 6.3 V 3.8 A.
3 1/2 x 4 1/2 x 3, 7 lbs sh
#M4626/TS1060 \$6.

POWERSTAT 21
POWERSTAT TYPE 21 VARI-
ABLE TRANSFORMER 120
VAC 50/60 Hz input out-
put 0-140 VAC 4.5 amps
0.63 KVA. 3.8x4.3x3.5, 5
lbs sh. NEW, v/knob & dial. \$28.95

LUXITROL D2500H 0-120 VAC
20 amp 2500 W; easy-to-
use vertical mount style.
With knob but no dial
plate. 9.3x10.6x4, 10 lbs
sh wt. Used, \$64.00

LUXITROL D6000H 0-120 VAC
50 A 6000 W; vertical mtg
with knob & dial, 35#. Used, \$130.

LINE REGULATION
CN-1091/BSQ-76 LINE
REGULATOR, input 115
VAC 47-63 Hz with
output 115 VAC 60
amps. Has 2.5" dia
30-150 VAC meter and
Output Increase ad-
JUST. SOLA MFG; 14x
19x12.5, 225 lbs sh. Used, \$195.00

SOLA REGULATORS
SOLA MODEL 63-13-175, port-
able harmonic neutralized
unit designed for computer
applications. Input 95-130
VAC; output 120 VAC 750 VA 60 Hz. 8.7x8.9x
18.6, 65 lbs sh. Used, \$185.00

SOLA #23-22-125, CVS harmonic
neutralized hard-wire type. In-
put 95-130 or 190-260 VAC; out-
put 120 VAC 250 VA 60 Hz; 9.6x
7.5x5.4, 32 lbs. Unused, \$85.00

SOLA #63-13-114 PORTABLE
LINE REGULATOR, best quali-
ty CVS-type. Input 95-130
VAC 60 Hz; output 120 VAC
140 VA 60 Hz. Two outlets,
On-Off, and cord. 5.6x5.8
x11.7, 18 lbs sh. NEW, \$85.

DAVIS DIMMER
AUTO TRANSFORMER
Input 230 VAC 60
Hz 1 Ø; five
slide adjust 0-48
V outputs, 20 amp
max-total. Used
as stagelight
control. 10x10x7,
90 lbs sh.
#GR-3-048 \$39.95

MULTI-VOLTAGE
ISOLATION TRANS.
PRI: 73/88/95/105/
115/125/190/210/
230/250, 50/60 cy
SEC: 17.6/35.2/189
193/196/200/203
@ 1.6 AMP.
9 1/2 x 4 1/2 x 7 1/2; 40 LBS.
2Z9619-6 \$14.95

SWINGING CHOKES, 10/25 HY
125/15 ma. 4 1/2 x 3 1/2 x 4 1/2, 6 lbs.
#TF1RX04LB/FGC-29, \$5.95

DUAL CHOKES, 30 Hy 25 ma
1350 & 5 Hy 135 ma 150 ;
2 1/2 x 5 1/2 x 2 1/2, 3 lb. #6663, \$3.

VARIABLE TRANSFORMERS
120 VAC 60 HZ in;
0-120 VAC output
Used-checked;
knobs and dials
included:
4.5 amp, NEW \$28.95
10 amp \$35.
12 amp \$42. 20 amp \$65.
50 amp \$145.00

240 VAC input; 0-240 V out
2 amp \$16. 8 amp \$47.
QUANTITIES LIMITED. Write
your needs; stock changed!

12 VOLT 60 HZ input, 0-3.5
V 2 amps out. #5-1066, \$3.

VARIAC M-5/RMS11-2, 0-135V
@ 5 AMPS FROM 114 VAC 400
HZ INPUT. #7486, \$12.95

VARIAC M20BB 120 VOLT 350
20 AMP. MOTORIZED 115V400
#5950-089-7734 NEW \$65.00

115VAC 60HZ 9AMP GANGED
FOR TWO PHASE MOTORIZED
115VAC 60HZ CN-54/FST-1
USED, \$50. LESS MOTOR \$45.

POWERSTAT, 115v. 400/800Hz
OUTPUT: 0-130v
7.5 AMPS,
0.975 KVA.
#5950-518-
2508, NEW
\$13.95

400 WATT REGULATOR
SOLID-STATE LINE REGULATOR,
use to protect your valu-
able equipment from line
variances and spikes.
Input 96-132 VAC 50-60
Hz; output 115 VAC +5%
0.75 to 3.5 amps. Har-
monic distortion 12%
total max; circuit
breaker. MIL-spec quality; 11x
6.5x11, 70 lbs sh. #102-5675, unused, \$49.50

3-PHASE ISOLATION TRANSFORMER
for large computers. Pri 220
VAC 3 Ø; Sec 200 VAC 3 Ø 26
amps 50/60 Hz. Has casters,
25 ft power cable & 220 V out-
let. 18.5x15x21.5, 250 lbs sh.
Mitsubishi #SSB-J0064-6, NEW \$250.

SOLID-STATE POWER
PACK, 250 VDC 200
ma +0.05% with
+4% volt adjust;
115 VAC 400 Hz in.
4.9x6x4.2, 5 lbs.
#B94-6397 NEW \$20.

TELEPHONE REPEAT-
IG COILS, 1:1 for
600 ohm circuit;
3x2.6x2.3, 2 lbs.
#C-288 \$4.00

#D1621946, 2-wind-
ings 400 & 9 ohms;
3.1x5x1.7 2# \$4.50

DUAL CHOKES, 0.05H
500 ma 1.36 ohm;
3 1/2 x 4 x 2 1/2, 4 lbs sh.
#3C575Z7-5 \$3.00

HV REC-
TIFIER
TRANS-
FORMER,
primary
117 V
50-60
Hz;
Sec:
5 VCT

10 A 21500 V test
Jumbo 4-pin tube
socket; 4.5" L top
& bottom insula-
tors. 22 lbs sh.
#647-7698, \$15.00

KNOBES FOR VARIACS
2-3/8" dia. fits
3/8" shft. w/ptr.
Luxitrol, \$1.50

4" dia WHEEL with
pointer for 11/16" dia
shaft. #KNOB-35 used \$3.00

DIAL PLATES, unused;
4" dia 0-100 scale; 7/8"
dia ctr hole. Takes three
screws; #BP80B7, \$1.00 ea

10" dia 0-100 scale; 1.5"
dia ctr hole. Takes four
screws; #BP653, \$2.50 ea

POWERSTAT variable trans-
former, 120 VAC 380/1000 Hz
input; output 0-120 VAC 13
amps. 7x6.2x3.3, 9 lbs sh.
#GA-50650L, used, \$18.95

SCREWS. #BP653, \$2.50 EA

TF-238 400 Hz
LINE REGULA-
TOR, input
100-130 VAC
400 Hz; output
115 VAC -5 V
400 Hz 7.5 KV. Uses 13 amp
variable transformer and
buck-boost transformer;
p/o TFS-1G system. 10 1/2 x 14 1/2
x 9 1/2; 55 lbs sh. Unused \$75.

ANTENNAS

HY-GAIN ANTENNAS

HY-GAIN MOBILE COM ANTENNAS: new 76-SERIES antennas include 52 whip, 2.5"H spring base, 18" RG-58 coax cable, PL-259 connector, & UG-175 reducer; 5 lbs NEW, \$9.95 ea: #761 (30-33 MHz) #762 (36-42 MHz) #767 (33-36 MHz)

280-SERIES mobile coil antenna w/ 52" 1g whip & 2" dia loading coil: #280 10 meters, 2-3/4"H coil \$9.95 #281 15 meters, 2-3/4"H coil \$9.95

3 FOOT MAST SECTIONS (left), painted copper-coated steel; sequentially screw into each other with 3/16" dia MS-49 top section smallest thru 5/8" dia MS-54 largest. Sections self-supporting to 15'H; MS-53 can fit into another MS-53. 1 lb sh. May need paint. MS-49-50-51-52-53, used \$1 ea. Unused \$1.50 ea. MS-54 used \$2.50; Un \$4.

CW-206 ROLL BAG for MS-116-117-118 mast sections; 40"Lx3"Hx5"W, used, \$6.00.

MS-49
MS-50
MS-51
MS-52
MS-53
MS-54

FIXED STATION BASE for AT-271/PRC antenna; black phenolic 3/4" dia base w/silver-plated receptacle; BNC connection, and load coil 2 lbs. #CAN-100-7555 \$4.

MP-65 MAST BASE similar to AB-15 below except 4"Lx3" dia insulator; o/a 17"L; 4 lbs. \$12.

AB-243 CORNER BRACKET f/ MF-48-57 and AB-15 bases. (Pictured w/AB-15 below.) 8 lbs sh. Used, \$7.00

MOUNTINGS f/MX-6707 used: #SC-D-189027 f/base, \$10. #SC-D-446058 corner, \$10. EXTENDER f/SCD-446058 \$5.

AB-15 MAST BASE for MS-116-117-118 or AB-21-22-23-24 mast sections; spring action with 3.3"L x3" dia ceramic insulator and bottom terminal. Requires 2" dia hole for mounting. O/a 15"L, 3#. Used, \$6.95

MS-116-117-118 MAST SECTIONS, each 39.3"L. MS-116 is stackable bottom section, MS-117 is middle and MS-118 is tapered top; 1 lb sh each. Used, \$3.50 each

CU-92/APN ANTENNA COUPLING UNIT is a impedance matching device enabling the operation of 2 receivers from one ant. has one SO-239 & 2-binding posts and tuning adjustment 500 Khz-4 Mhz, \$3.95

TH-218 TERMINAL, p/o BC-659, unused, \$8 W-128 wire, 2 ft, \$2.50; 6 feet, \$6.00

AS-27A/ARN-5 Horizontal folded dipole used on BC-733, ARN-5 Receivers 108-110 mhz etc. \$10

AT-438/GR DIPOLE ANTENNA 15" folded, takes PL-259 coax. conn on insulated bracket. \$15

ANTENNA WIRE SOLID COPPER #10 VINYL COVERED, 250FT #4884C \$25

MP-54 OFF-SET BASE FOR AB-15; OFFSET 7" FROM BASE CTR. 11 1/2" \$7.95

AS-2108 ADF LOOP, 100-3000 KHZ; 28 VDC, 11.8x11.8 CTR. 11 1/2" \$1.3 4 lbs Used \$16.

AT-101/GR-9 LONG-WIRE ANTENNA, 107.5 ft #15 stranded-copper w/8 insulators & jumpers to adjust 4.3-12 MHz frequency; 3 lbs. \$10. AT-102, 2-4.3 MHz \$9. AT-101-102 SET, \$15.

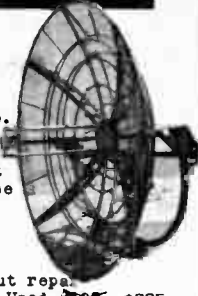
AS-1121/PRC-47 LONG-WIRE ANTENNA, 45 ft vinyl-covered with insulators at 15" and 25"; clips at insulators adjust length. 4 lbs sh. Used, \$12.

AT-339/PRC-6 HOMING ANTENNA 78-55.4 MHz range. Hand-held folding loop; 5-step output attenuator. 4' cord w/BNC connector. Loop 24"H; 12.5x5x2.5 collapsed. W/canvas bag. 6#. \$10.

ANDREWS #83799 similar to 87F connector for HJ7-50A Helia; cable; 1-5/8" EIA flange, .50 ohm. With installation kit; 6 lbs. NEW, \$20.00

8 FOOT DISH ANTENNA

AS-554/TRC 8' dia ANTENNA with aluminum mesh paraboloid surface. Designed for 1700-2400 Mhz with 30 db gain; 4.5 Mhz bandwidth. 20 db major to minor lobe ratio. Rugged military construction; looks like one can add onto and extend the cast aluminum supports to increase dish diameter. 36" feedhorn focal length; 16" fall from edge to center. Shipped in sections with feedhorn and yoke. Mesh may have minor but repairable breaks. 425 lbs sh wt. Used \$285.



AS-1729 ANTENNA SET

AS 1729/VRC ANTENNA SET, consists of MX-6707 matching unit-antenna base, AS-1730, and AT-1095 fiberglass mast sections; designed to be used with RT-246-524/VRC transceivers and vehicular installations of PRC-25-77 radio sets. MX-6707 has automatic or manually tunable frequency ranges 30-33, 33-37, 37-42, 42-47.5, 47.5-53, 53-56, 56-60, 60-65, 65-70.5, and 70.5-76 MHz FM; also BNC connection for RF. Bottom mast section AS-1730 is 52.5"L, upper AT-1095, 64"L; MX-6707 14.3x5.5" dia. 15 lbs; used, \$49.95 MANUAL for AS-1729, partial repro, \$8.50 MX-6707 MATCHING UNIT only, used, \$29.95 AT-1095 or AS-1730 masts only, \$12.50 each.

AB-21-22-23-24 MAST SECTIONS, 27"L (AB-21 is bottom), 1# sh ea. Used, \$2.50 ea

AN-45 Antenna f/BC-620 (SCR509-510) transceiver; telescopes 17 1/2"-98 1/2", unused \$7.50

AT-FRC6 FLAT RIBBON ANTENNA for RT-195/PRC-6 transceiver. 30"L. used \$4.00

AT-272A RIBBON ANTENNA & AT-272 FLEX-BASE SET f/PRC-8-9-10; 2 lbs. Used, \$8

AT-1096/VRM MAST SECTION, used with MX-2799 matching unit and AT-1095 mast; used, \$15.

AN-130 WHIP ANTENNA for BC-1000, used, \$10.

ANTENNA SPRING MOUNT, p/o MX-6707 described above: #SM-C-542057, used, \$7.50

MP-74 GOOSENECK BASE for MS-118/AB-23 Mast Sections, 14" lg. w/spade type bracket for side mounting. \$2.00

M-422 ADAPTER for using MS-116/AS-23 sections with PRC & BC-1000 as long ant. \$2.00

AE-129 Rubber Base f/AT-271 on PRC-8-9-10 \$2.

AE-591 Rubber Base f/AT-271 on PRC-25-77, \$4.

AE-1093/USQ-42 WHIP ANTENNA w/spring base and PL-259 connector on base bottom. Lower two sections telescope 21"-35 1/2"; screw-on 18 1/2"L wire like top section. NEW \$15

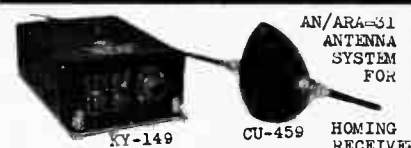
40-100 MHZ YAGI ARRAY

AS-756/TRC TWO 3-ELEMENT YAGI ARRAY for 40-100 MHz range, 5 db gain; vertical or horizontal polarization. Consists of array spacer bar, two antenna booms, and 12 each long, short, and subassembly antenna elements. Component lengths adjust according to frequency: spacer 58"-112". booms 72". elements 40"-58". Matching transformer built-into each boom. 95 lbs sh (UPS in 4 pkgs) AS-756, \$79.50 #7A-756, single 3-element array f/AS-756 \$36.

AE-101 MAST SECTIONS for ANTENNA SUPPORT, steel mast 2" dia X 68" long with swaged end and locking device; sold in sets of 7 only. 100 lbs sh - no UPS. Used, \$38.00

GUY-WIRE & STAKES
QA-7308/G GUY SET for anchoring field antennas or similar tall free-standing structures. Includes three MX-2719 32 ft 1/8" dia steel guys each with pulley and brake, two pinned hook rings and four insulators; four GP-2 15" guy stakes, three GP-11 16" stakes with snap rings, and canvas bag. 26 lbs sh. Used, \$24.95

ARA-31 HOMING SYSTEM



For use in the 24 to 49 Mhz FM range. Complete system consists of four AT-624 24" antenna elements, two CU-459 ant. element connectors, a KY-149 keying unit w/m/gc, and one SA-474 switch box. BNC connections except for one reverse pole BNC. An/ARA-31 w/manual, new, \$50. AT-624 antenna element, \$8.00 each. CU-459 antenna connector, \$5.00 each. SA-474 switching box, \$6.00 each. KY-149 keying unit, \$25.00 each \$18.95

LP-21 LOOP ANTENNA, used with 200-1500 Khz radio compass receiver; has 24 V 400 Hz motor for rotating loop and auto syn to transmit to I-82 or similar indicator Teardrop shape for aircraft; 30 lbs. \$25

AS-578/ARA ANTENNA for ARC-27-34-55 direction finding sets; 15 lbs. Used, \$25.

AS-313/ARN-6 ANTENNA LOOP for AN/ARN-6 radio compass system; 18 lbs. Used, \$15.

MAST MOUNT

ADJUSTABLE MOUNTING PLATE for antenna masts or pipe; three wingnut bolts adjust for 1.1"-2.25" dia pipe. 9" dia base; cast aluminum. 5.5"Hx9" dia 7 lbs sh. #MB-92110, used, \$9.95

SPDT ANTENNA RELAY, with unused contact grounded; part of 30 W 225-400 Mhz transmitter. Coil 60 VDC 15 ma 4000 ohm; 3-BNC connections 2x1x2. #D-0089, unused \$9.95

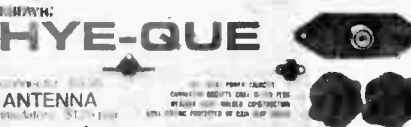
SPDT ANTENNA RELAY

PDT ANTENNA CHANGEOVER RELAY vdc 20 ohm Contacts appear to be good to 100 watts. BNC type conn 3x1x2. #5945-539-3025 unused \$7.95

CP-12-13 COUNTERPOISE

CP-12-13 COUNTERPOISE heavy rubber-covered wire spreads to form 15 ft dia radial network for ground plane antenna; used with MS-116-117-118 mast sections; 4 lbs sh. Used, \$12.00

GY-12/42 GUY ROPE SET, 3x20' lengths, \$7 M37B ROPE, 80', \$6. M379, 10', \$1.50



BUDWIG HYE-QUE antenna insulators and strain connector for long-wire installations; full legal power capacity and weather-tight polymer construction. NEW: #HQ-COHN strain assembly with PL-259 connection for lead-in wire drop, \$5.50 #HQ-INS-PR, insulator pair, \$1.25/pr

ANTENNA WIRE & REEL

AS-807/CRT-3 WIRE REEL ASSEMBLY. 300 ft #16 strand braided cadmium alloy copper wire on RL-48 reel and crank; mounted to aluminum door with adjustable brake and snap swivel. Part of CRT-3 "Gibson Girl" transmitter antenna which attached to kite or balloon. 2x4.5" dia. 3 lbs. Unused-complete wire, reel, door, \$9.95;

CABLES

NEW COAXIAL CABLE

NEW MANUFACTURE AND BRANDED WITH STANDARD TYPE NUMBERS TO MIL-R-17A SPECIFICATIONS.

PRICES LISTED FOR LENGTHS INDICATED, IN-BETWEEN LENGTHS USE THE HIGHER PRICE. LESS THAN 100 FEET ADD 10% TO HIGHEST PRICE

COAX	Ohms	100 feet	500 feet	1000 feet	5000 feet
RG-#		feet	feet	feet	feet
RG-8/U	52	.22	.21	.20	.20
RG-11/U	75	.20	.19	.18	.18
RG-58/U	53.5	.11	.10	.09	.09
RG-59/U	73	.14	.13	.12	.12

Prices subject to change without notice.

NEW COAXIAL CONNECTORS

SO-239	PL-259	CH-259	PL-258 JUNCTION
\$.69 ea	\$.79 ea	75¢ ea.	\$1.50 ea
10 or more	10 or more	10 or more	10 or more
\$.65 ea	\$.75 ea	70¢ ea.	\$1.25 ea
#SH-SO-239, one hole mt	#83-58FCP, short barrel PL-259 for RG-58, 50¢		UG-260 BNC conn for RG-59, \$1.

COAX CONNECTORS

CONNECTORS & ADAPTERS (m) male (f) female, (bulk) bulkhead, (rec) receptacle, (r/a) right angle; (U) used, (Un) unused.

TYPE BNC: UG-88 m (RG-58) U \$.55; Un \$.85
 UG-260 m (RG-59) U \$.60 UG-291 f panel U \$1.
 -260 Un \$.85 -909 bulk U \$1.
 -273 to UHF, Un \$2.00 -913 m R/A Un \$2.
 -282 to post \$1.50
 -290 f rec U \$.65

TYPE C: UG-573 m (RG-8) U \$1.50 ea
 UG-626 m (RG-21) U \$2. UG-710 m R/A Un \$3.
 -943 (RG-21) U \$3.

TYPE N: UG-21 m (RG-8), NEW, \$4.00 ea
 UG-27 m/i R/A Un \$2.00 UG-201 (f) to BNC
 -30 f-i bulk Un 2.00 (m) Un \$2.50
 -58 f chassis U 1.50 -593 f chassis bulk U \$2.00

TYPE TNC: Greomar #6006 m Un \$2.50; U \$1.50
 #6177 m R/A Un \$3. #6098 to N f bulk U \$3.

BALANCED ANTENNA INPUT for R-390A receiver:
 STAR 7162 (RG-58) U \$5. UG-971 to C, U \$7.
 UG-100 m U \$1.50 DA-113 dummy U \$5.00
 -109 f/UG-100 \$1.50 UG-212 HN R/A Un \$3.
 -920 R/A HN (m) to HN (f), unused, \$3.00
 M-359 elbow: PL-259 to SO-239 U \$.80; Un \$2.

COAX CABLES from mil-equipment: used-unused:
 CG-4096 CABLE, 74" RG-58 w/2 UG-98 BNC, \$4.
 RG-9 w/2 UG-573 "C" connectors, 6", \$2.50
 RG-59 w/male & female "N", 50', #CG-357, \$3.
 RG-213 w/2 right angle male "N", 76", \$6.
 TNC-BNC CABLE, 3": r-a BNC, strait TNC, \$4.

WIRE SALE

VINYL-COVERED HOOK-UP WIRE. Limited colors; all stranded copper. May not have continuous lengths over 2000'; no color choice

#14	\$6.50/100'	\$42/1000'	\$185/5000'
#18	\$3/100'	\$14/1000'	\$50/5000'
#20	\$3/100'	\$12/1000'	\$45/5000'
#22 shielded	\$3.50/100'	\$22/1k'	\$75/5k'
#26 solid	\$6/500'	\$9/1000'	\$30/5000'

AIRCRAFT-TYPE WIRE, nylon insulation w/braid covering; silver-coated wire and shield:
 #22 stranded, \$4.50/100' 10x100'/#32.

COMPUTER CONTROL CABLES in black PVC jacket, #24 wire in color-coded vinyl; LV-low voltage
 Cond 10' 100' 500' 1000'
 #CC24-28LV 28 \$/ft .45 .32 .28 .22
 CC24-14 14 .32 .28 .24 .18

U-226 HEAVY DUTY CONNECTOR. 10 contacts (5-male/5-female) each gold-plated 0.1" dia and arranged so that U-226 mates with other U-226. Has locking cap: 2.8" dia X 3.5" L plus 4" sleeve, 2#. Unused-cutoff \$5.



AMPHENOL

RF and AUDIO CONNECTORS, all new package; Male (M), Female (F)

Sale!

BNC quick assembly:
 #31-4702 70 (M) \$1.25; -4703 70 (F) \$1.25
 UHF-types: #82-23 (M) to (F) w/ground, \$1.50
 #83-58FPA, press male to (F) adaptor, \$1.25
 83-58FCP, short barrel PL-259 f/RG-58, \$2.50

83-877, adapter with PL-259 each end, \$1.25
 #83-23 UHF m-f lightning arrester, \$2.50
 B2-B31 push-on chassis BNC (f), NEW, \$.45
 #81-103 mini plug or #81-104 mini jack, \$.50

MICROPHONE CONNECTORS, all males 1/8" diameter

#80-23 press fit 60¢	80-876 lock ring \$1	80-872 extended pins 60¢	80-878 lock ring \$1	80-886 threaded barrel \$1
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RIBBON CABLE for computer wiring or similar jobs;
 20-conductor #22 standard wire with ten color codes.
 #RIB-20C: 10' 100' 500' 1000'
 Price per foot: \$.50 \$.40 \$.30 \$.20

MULTI-LINE TELEPHONE CABLE, 18 feet of 50-conductor PVC jacketed cable with Cinch 77-72500 blue connector on one end and terminal lugs on the other; a nice ready-made piece for those complex wiring jobs. 3 lbs; #50-TC-18, used, \$5.95

BELDEN TV WIRE

BELDEN "CITY COLOR" SHIELDED TWIN LEAD TV WIRE; two 26 AWG 7x34 stranded copper-covered steel conductors with Beldfoil shield. Recommended for VHF-UHF-FM use in high interference metro areas. 75 ft (3#), \$8. 100 ft (4#), \$10.00

2-CONDUCTOR "0" GAUGE COPPER CABLE in PVC jacket. Use for welder or jumper cables or generator hook-up. Each 2-conductor at length indicated: #8369-25, 25 feet, \$25.00
 #8369-50, 50', \$42. #8369-100, 100', \$70. LESS than 25 ft, \$1.25/ft; (Weight 1 lb/ft.)

CODE SIGNALING LAMP

CANADIAN MORSE CODE SIGNAL LIGHT. Mirrored reflector tilts by trigger in handgrip; site-tube on top. Usable also as spot light. Includes 4" clear lens, 10' cable, and carrying case. Light bulb not available (change socket for common bulb). 9: 5.3x8, 15 lbs. #CAN-5A, used \$10. Extra 4" LENS, red, blue, green or clear, \$1.50; 4/\$5.

COLLINS 250 KHZ I.F.

250 KHz IF ASSEMBLY from Collins 618S-1 transceiver. Has 250 KHz mechanical filter with 6.7 KHz width and tubes 3/5749 and 2/5726. 4 1/2 x 6 x 3 1/2, 3 lbs sh wt. #IF250-67/618S1, used, \$12.95
 250 KHz IF ASSEMBLY from RT-311/ARC-38 transceiver. Similar to above but with two mechanical filters--one 2 KHz width, the other 8.5 KHz. #IF250/ARC38 \$24.95

250 KHZ CRYSTAL OSCILLATOR from Collins 618S1. Has 250 KHz BFO oscillator coil, crystal oven with CR-46 250 KHz crystal, and 2/5749 tubes. 4 1/2 x 6 x 1 1/2, 2 lbs sh. #CSC-250/618S1, \$6.95

TRANSMITTING CAPACITORS

MICA TRANSMITTING CAPACITORS, G SERIES TYPE IN USED OR UNUSED CONDITION DEPENDING UPON A VALUE'S AVAILABILITY. VARIOUS MANUFACTURERS. SATISFACTION GUARANTEED OR PURCHASE PRICE WILL BE REFUNDED. OTHER VALUES IN STOCK. WRITE.



TYPE	KV	MFD	KV	MFD
31, 2 1/2" h x 2 1/2" dia, wt: 3 lbs.				\$12.50 ea
1.0	0.04	6.0	0.0001	
1.5	0.08	6.0	0.0002	
3.0	0.02	6.0	0.00024	
4.0	0.0062	10.0	0.00015	
32, 2 1/2" h x 3" dia, wt: 5 lbs.				\$18.50 ea
2.0	0.03	10.0	0.00015	
2.0	0.045			
33, 5" h x 4" dia, wt: 8 lbs.				\$27.50 ea
2.5	0.15	6.0	0.006	
5.0	0.02	20.0	0.00015	
34, 5" h x 5 1/2" dia, wt: 12 lbs.				\$39.50 ea
4.0	0.084	6.0	0.0373	

ARC-38 OSCILLATOR

O-215/ARC-38 STABILIZED MASTER OSCILLATOR ASSEMBLY from Collins-made RT-311/ARC-38, an aircraft HF transceiver. Utilizes series-fed electron-coupled oscillator, a more stable frequency variation of the Hartley-type. Step-adjusted inductor covers 14000 positions to tune oscillator frequency of 1.75 to 3.5 MHz in 125 Hz steps. Includes Collins SMD #70E-22, discriminator #147A-1, 27.5 VDC motor gear drive and tubes 3/6AK5, 6BA6, 2/6BE6. Many parts common to ARC-38A SMD assembly. 6x 6.5x10, 15 lbs sh. Used, w/schematic, \$35.00

618S-1 POWER AMPLIFIER, p/o Collins 2-25 Mhz 100 watt transceiver. Has 12.3 uH roller inductor; coil 3 1/2 x 1 1/2" dia with 27 turns #14 silver-tinned wire rotated by 115 VAC 400 Hz selsyn. Also ten Centralab 850 HV capacitors 10 pf, 50 pf, 7/100 pf, and 1000 pf. Big silver contacts on ceramic switch; uses three 6159 tubes. 11x5x6, 10 lbs #3496/618S-1, less tubes, \$22. With tubes #3C MATING CONNECTORS, 2 required, \$2.50 each. SCHEMATIC for 618S-1 power amp, \$1.50

ANTENNA TUNER

ANTENNA TUNING ASSEMBLY with two 20-400 pf 0.02" air gap variable capacitors. Each rotates 180° in 10 sec using 24 V 60 Hz and 4 mf 330 VAC capacitor (not included); can be adapted to differential use. 360° rotation actuates fixed capacitance in parallel over next 270° in 13 steps. 400 Hz servo motor runs on 24 V 60 Hz; intermittent 115 V 60 Hz required to engage fixed capacitance steps. W/schematic; 4.3x6.5x3.3, 5 lbs. #2C1003/T-195, used, \$10. VAR-CAPACITOR 20-400 pf; #C1003-VC, \$5.95 ea

VARIABLE SPEED DRIVE CONTROL Used with MOTOR AM No. E-85-132. GE#3S70RJ750A1, FIELD 100 VDC ARM., 140 VDC., 2.6 A INPUT 230 V. 50/60 HZ. 5 LBS. Unused w/schematic \$15.00

115 VOLT AC-DC MOTOR, starts at 15 VDC; runs counter clockwise. 3" dia X 5 1/2" lg plus 5/16" dia x 1-1/8" lg threaded shaft. 5 lbs sh. #AC-DC-R102, unused, \$4.95
 115 V AC-DC MOTOR, starts at 25 VDC, runs clockwise. 2 1/2 x 3 1/2 plus 5/16" dia X 1 1/2" long machined spiral sht. 3 lbs. #AC-DC-H102, \$3.

100 RPM 12 VDC GEAR MOTOR, output at 3/8" x 1/8" bar which would mate with slotted shaft (not included). Also 3400 RPM available on 5/32" dia x 1/2" lg shaft. O/A 5 1/2 x 2 1/2 x 2-3/8; 3 lbs sh. #LER-111S2S unused, \$8.95

HANDCRANK



HANDCRANK MAGNETO GENERATOR removed from telephone equipment; features long crank with shaft which extends 2.5" from the generator and versatile mounting plate that allows left or right side or bottom mounting. Use to replace "dead" generator in your antique phone, or as remote signaler (ring bells/buzzers), or as "worm shocker"; 4 lbs sh. #MAG-GEN-1085, used-checked, \$15.00

100 RPM 1/5 HP MOTOR



BODINE ECCI-35E2, 115 VAC 2.2 amp, 1/5 HP 1700 RPM motor with 100 RPM reduction gearhead; 100 lbs-in torque. 2"L x 5/8" dia shaft with 3/16" square key; motor 4.5x4.5 x8.8. With capacitor; 12 lbs sh. Used \$18.95

6 RPM SLO-SYN

SUPERIOR ELECTRIC SLO-SYN 6 RPM SYNCHRONOUS STEPPING MOTOR, 120 VAC 60 Hz, 0.5 A 50 oz-in running torque.



Reversible instant start stop. 1/2" stainless steel shaft; on mounting plate with governor. 7.3x4.5x5.1 lbs. #SS50-1292BU, used, \$17.95 \$13.95

GE MINIGEAR MOTOR, 328 RPM 3/8" dia right angle output shaft; other 3500 RPM 5/16" dia shaft, 5 in-lb torque. Requires 115 VAC 60 Hz and 7 mf 220 VAC capacitor; o/a 4x10x3, 8 lbs sh. GE #SKCM49NG, used, \$8.95 CAPACITOR for above, 7 mf 330 VAC, \$1.35



MD-34/ARA-8 MODULATOR-KEYER, p/o automatic homing keying assembly; contains Oster BT-2-1S 28 VDC shunt motor, 12000 RPM 1.1 amps connected to double worm reduction with output of 32 to 50 RPM over 10-26 VDC. Also has phase shift capacitor and RF UHF connectors. 3.2x10x4.2, 5 lbs. Used, \$3.95



DC MOTOR, operates over 10-15 VDC 100 ma 2375-2425 RPM with governor. Shaft 5/16"L x1/16" dia; o/a 2-7/8x1-1/8. #AST-GK26 \$7.95

160 RPM DRIVE UNIT w/clutch has Globe C-25A512 27 VDC 15000 RPM motor and 27 VDC clutch assembly. Motor operates with good torque over 5 to 27 VDC. 160 RPM output on 3/16" dia X 1/2" 13 shaft. O/a 3.2x4.2x3.2, 3 lbs. #160DRV/618 used \$8.95



ROBOTICS MOTORS

15" STEPPER MOTOR from printer; requires +9 to +40 VDC. High speed and performance w/driver circuit info. 1x1.3" dia shaft; o/a 5.8"x1.6" dia, 2 lbs. #RBM-2-62, 2 ohm field, \$12.50 #RBM-4-62, 4A \$15. #RBM-6-62, 5.8A \$17.00



15" 4-PHASE VR STEP SERVO, 5 ohms 1.5 A/φ; 28 VDC input pulse. 2x 1/2" dia shaft; o/a 3x3x3, 2 lbs sh. Made in Canada; removed from equipment. #20M34C1, \$9.95

26 VDC REVERSIBLE MOTOR with clutch for fast stops; 12K RPM @ 26 VDC 1.2 amps. Clutch engages at 10 VDC which allows variable speed over 10-26 VDC. Rated for intermittent duty. Spline 3/16" dia shaft; o/a 4x1.2" dia, 1 lb. #SR-215 NEW \$6.95



27 VDC 10 AMP 250 RPM MOTOR with brake which actuates when DC input is approx. 5 volts. Duty cycle 30 sec on, 300 sec off. O/a 2.2x2.2x6.2 plus 7/8" long X 3/8" dia. shaft. 5 lbs sh. #2512-6, \$7.95



GE DC MOTOR 27.5 VDC 2.5A .044HP 7400 RPM 2.5x1.75 plus .35 in long 3/16 shaft sh wt 3 #5BN14EA2-6822 \$7.95



#A7155 DELCO DC MOTOR, 28 VDC 2.4 A 1/30 HP 3600 RPM. Size: 5.2x2.2" dia; shaft 1" x 1/2" dia, 2 lbs. Unused \$4.

INDUCTION MOTOR, Eastern Air Devices J71-B, 115 VAC 60 Hz 0.25 amp input for 1/40 HP 3100 RPM output. Quiet running; good replacement motor for blowers. 3.1"x3.5" dia, shaft 0.9"x0.7" dia; 2 lbs sh. External capacitor required. #54B-2239. unused \$4.95; 4 mf CAPACITOR, \$1.

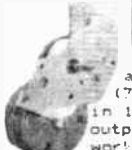


28 VOLT MOTOR, 135 RPM; HP: 1 oz/IN. WITH 5/16x4" DIA. GEARED SHAFT; HAS 4 SOLDER TERMINALS ON 1x1x1/2" BLOCK. MOTOR SIZE: 5x1-7/8 DIA. WT: 1 LB. GE#5BA10FJ444 USED, \$7.95



DC STEPPER MOTOR

PM DC STEPPER MOTOR, dual coil--CCW and CCW rotation; each coil 5-pole (72°). Motor has gear box resulting in 180 2° steps for each rotation of output shaft. Coil 17 VDC 29 ohms but works well on 5 VDC at reduced speed and torque. Motor 1.4"x.6" shaft .4"x.1" dia O/a 3.3"x1.5"; Airpac #AB2302. \$4 ea 7/\$10.



0.7 RPM GEAR MOTOR, 115 VAC 60 Hz, 110 oz-in torque; 3/4"L x1/4" dia shaft; w/shaft coupler and microswitch assy. 2.3x2.3x2.3, 5.5"L w/assy; 3#. #RBH2505-14 used \$15 \$11



BARBER COLEMAN AC GEAR MOTOR, 230 VAC 60 Hz; approx 3 1/2 RPM. 5/16" dia shaft X 7/8" long; Size: 2 1/2x3 1/2x3, 2 lbs sh. B-C #108134483 NEW, \$3.95



MOTOR W/RIGHT ANGLE SHAFT & MOUNT, 1/8 HP 230 RPM. SHAFT SIZE: 5/16" LONG X 3/8" DIA. CLEARANCE BETWEEN SHAFT AND MOUNTING ABOUT 1" REQUIRES 115 VAC 60 Hz @ 1.9 AMPS. SIZE: 7x3 1/2 DIA. WT: 15 LBS. ROBBINS & MEYERS #KL-H330, \$12.95

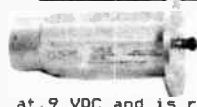


SA-26 AIRCRAFT INSTRUMENT ASSEMBLY with 27 VDC PM motor, 10000 RPM with worm gear assembly and other parts. Motor size 1 1/2x1 1/2, 3/16" dia shaft; o/a 6"1x3 1/2" dia, 2 lbs. Unused \$6.95



MULTI-SPEED PM MOTOR

MULTI-SPEED 24 VDC PM MOTOR can be wired for 11500 RPM 0.012 HP 0.7 amp or 3000 RPM 0.035 HP 2.3 amp operation; motor starts to turn at .9 VDC and is reversible. 2"x2.3" dia with 3.5" dia collar; geared shaft 0.6"x0.4" dia. 3 lbs sh. Sperry #2960031, used, \$12.95 \$8.95



JOHN OSTER TYPE C-24A-1B KS-5829 SERIES MOTOR; 27 VDC, 0.01 HP, 7000 RPM. SIZE: 3x2 DIA.; SHAFT: 1x1/2 DIA. WT: 1 LB. Unused, \$2.95



200 RPM 32 V 60 Hz GEAR MOTOR, has shaft 1"x1/2" dia and 3/16" dia shaft for fan. For intermittent use, increased voltage increases torque. O/a 5 1/2x5 1/2x2 1/2, 3 lbs. #MUL-2460, unused, \$3.25



26 V 400 Hz 2750 RPM MOTOR will operate from 12 VAC 60 Hz; 3x2.8x3, 2#. #B701/R107 \$2.



12 VDC MOTOR, 3000/5000 RPM clockwise rotation; 40 oz-in torque. 4"L x3" dia plus 3/4"Lx5/16" dia shaft. 4 lbs. #C65010-12. \$7.95



CONTROL TRANSMITTER SELSYNS, similar to AY201 motor 26 V 1 φ, stator 11.8 V 3 φ 400 Hz; usable in wind direction and antenna position projects. Various mfg; 1 lb. #WD-CX-SEL \$6.

AY-165 AUTOSYN DIFFERENTIAL, 400 cycle, 11.8 V. 3 PHASE ONE TO ONE RATIO. BENDIX & OTHERS. SIZE: 1 1/2x1 1/2. PRICE: REMOVED FROM EQUIP. \$2.95

AY-231 AND AY-232 SAME SPECS. AS ABOVE. 15CX4 TRANSMIT 115 VAC 400 Hz, used, \$4.95 15RS4L RESOLVER 26/11.8 V 400 Hz, used \$4.95

23TR4 RECEIVER, 115 VAC 400 Hz. used, \$10.00

23CT6 TRANSFORMER 90/1 V per degree 60 Hz \$10

SELSYNS CONTROL TRANSFORMER, 57.5

VAC 400 Hz; usable in pairs for remote position indication and light duty turning applications. Operable from 24 V 60 Hz with good resolution and torque. 1/2" long shaft tapered 1/4", then threaded 1/2". O/a 4 1/2x2 1/2 dia; 2 lbs. #2J1G1, less connector cap \$7.50; w/cap \$9.50



MK II SIZE 6 SELSYNS, 115 VAC 60 Hz; sold in mated pairs for rotational and position-indication uses. 7 1/2x4 1/2 dia, 12 lbs/pair. Used-checked, various manufacturers, \$45/pair

SIZE 5 SYNCHRO DIFFERENTIAL RECEIVER, 115 VAC 60 Hz; used to show the sum or difference of two angular motions. 5 1/2x3 1/2 dia, 5 lbs. \$10.

OTHER SELSYNS AVAILABLE. WRITE YOUR NEEDS.

2J1H1 SELSYN DIFFERENTIAL GENERATOR

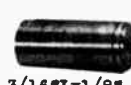
NORMALLY OPERATES FROM 57.5/57.5 VOLTS 400 CYCLE BUT WILL OPERATE FROM 26 VOLT 60 CYCLE AS SHOWN IN WIRING DIAGRAM ON PAGE 31. SIZE: 2 1/2x4 1/2; WT: 8oz. PRICE WITH CONNECTOR CAPS.....\$3.95



DAYSTROM TRANSCOIL CONTROL MOTOR 115 VOLT 60 CYCLE, 1 PHASE, 2 PHASE 200 VOLT CT. 3200 RPM. SIZE: 2 1/2x2, SHAFT SIZE: 1/16"x3/8" WITH GEAR. REMOVED FROM NEW EQUIPMENT. PRICE: \$5.00



TACHOMETER GENERATOR, motor 26 V 400 Hz 2 φ; generator 16V 400 Hz 0.3 V/1000 RPM. No load speed 10000 RPM. 2-1/8"x1" dia 3/16"x1/8" dia shaft. #TACH-SEL-MOD, \$7.95



GAST PUMP & MOTOR

VACUUM PUMP & MOTOR, Gast #0440-V119 oil-less rotary vane pump and GE 115 VAC 60 Hz 1/3 HP 1625 RPM motor. Pump rated 4.0 CFM @ zero vacuum; 15" Hg continuous, 26" intermittent. Flex coupling thermally protects 7.4"x5.4" dia motor; mounted on 5.8x0.6x14.4 steel base. Inlet and outlet filters not available. 40 lbs sh. Used-as removed from service, \$45.00



AIR COMPRESSOR

AIR COMPRESSOR rated 30 PSIG, 0.6 CFM max; suitable for air-brush work or light duty inflating. Diaphragm-type unit uses 7 mf 330 VAC capacitor and operates from 115 VAC 60 Hz. Inlet 5/8" NPT; outlet 1/2". 8.3x4.6" dia, 15 lbs sh. #127P321, excellent, \$27.95



CHILD'S PHONOGRAPH TURNTABLE, 7" dia plastic platter with 115 VAC 60 Hz motor; selector switch for 33-1/3 or 45 RPM. Designed for child's record player. 2 lbs. BSR #1143AC37, NEW, \$2.95 \$3.



SMALL RECORDER PM MOTOR, operates 4 to 12 VDC, reversible. 1/8x3/32" dia shaft; O/a 1 1/2x1 1/2 dia, 1 lb. #R-S57141, NEW \$2.; w/pulley \$2.25



PRR-9 RECEIVER



AN/PRR-9 FM HELMET RECEIVER, extremely lightweight single channel radio in the 47-57 Mhz FM range; 5 mw nominal power output. Uses CR-81 type crystal (not available); 455 KHz IF. Requires 5 V 25 ma originally supplied by BA-505 battery (not available).

With AS-1998 antenna and H-264 headset, 7x3 1/2, 2 lbs. Used \$38. Less AS-1998/H-264 \$25. OPERATOR'S MANUAL for PRR-9, \$7.50

ID-1189/PR CHANNEL ALIGNMENT INDICATOR, designed to test AN/PRR-9 and AN/PRT-4 transmitter. Has 47-57 Mhz signal generator; checks both sets' batteries. Instructions, probes, and transit case included. 12x11x6, 15 lbs sh. Used, \$45.00



RT-68/GRC TRANSCEIVER

RT-68/GRC TRANSCEIVER, 38-54.9 Mhz FM continuously tunable or 100 KHz-step channels. Receives and transmits both voice and 1600 Hz ringing FM; range 10-15 miles. Receiver circuit has variable 1st IF 4.45-3.45 MHz and fixed 1.4 Mhz 2nd IF; also squelch and 600 ohm audio output. Transmitter uses crystal-controlled oscillator and oscillator power amp; power output 2 watts (LO) or 15 W (HI). Also meter to monitor xmtr filament and 90 V input. Requires external power supply available separately. With tubes 4/1U4, 2E24, 2/1A3, 2/1L4, 4/1R5, 2/1A64, 1R5, 4/3Q4, 3A4, 3/3A5, 2/3B4, 6AK5. 9x13x11.3, 42 lbs sh wt. Used, \$35. RT-67 as above but 27.9-38 Mhz, used, \$39.50; RT-66, 20-27.9 Mhz, used \$35.



PRC-6 WALKIE-TALKIE



RT-196/PRC-6 FM TRANSCEIVER, single channel crystal-controlled in the 47 to 55.4 Mhz range. Range: approx. 1 mile depending on terrain and conditions. Handheld unit has push-to-talk switch, volume control, ribbon antenna, carrying strap, and provision for H-33/PT handset. Uses type CR-23 crystal (not included or available). With tubes 6/5678, 3B4, 3/5672, 2/5676, and 2G21. Requires 1.5, 45, and 90 VDC. 15x5x4 1/2, 6 lbs sh. Used, \$18.95; MANUAL, \$7.50

CY-853/PRC-6 CASE, space and padding for 42 crystals; 6x8x11, 2 lbs. Used, \$3.00

AN/GRA-6 RADIO CONTROL



AN/GRA-6 RADIO CONTROL GROUP for GRC-3 thru -8 series equipment. Includes C-433 (pictured), C-434, LS-166 speaker, H-33 handset, J-654 junction, CW-189

canvas bag, and manual. Group was used to control radios at distances upto 2 miles and also provided telephone communications. C-433 and C-434 each have handcrank ringing generator and bell; require two "D" cells each. 36 lbs. Used, \$75. Unused, \$100. C-433, used, \$16.00 C-434, used, \$22.00 H-33, used, \$15.00 LS-166 w/bracket, \$15. J-654, used, \$ 6.00 CW-189, used, \$ 7.00 MANUAL for AN/GRA-6 group, original, \$7.50



PP-112/GRC 24 VDC SUPPLY for RT-66-67-68 transceivers; provides all voltages from 24 VDC 6.5 amp input. 7.3x9x13, 39 lbs sh. Used, \$28.00 \$18. Gov't reconditioned, \$35.00

PP-109/GRC SUPPLY, as above but 12 VDC 12 amp input. Used, \$34.50 \$24. PP-109, gov't-reconditioned, \$40.00 CX-1211 interconnect cable RT:PP units, \$7. MANUAL for AN/VRC-8-9-10, original, \$7.50

AN/VRC-10 RADIO SET, consists of RT-68, PP-112, MT-299, CX-1211 cable and manual; 90 lbs. Used \$85.



AN/VRC-9, as above but with RT-67, used, \$70. AN/VRC-8, as above but with RT-66, used, \$65.

GRC and VRC RADIO CABLES and miscellaneous:
 CD-501, battery cable for SCR-284, \$10.00
 CD-1086, cable for BC-1306 & GRC-9, \$15.00
 CO-278, cord for FT-237 mount, 8 ft, \$9.00
 CX-1209, connects RT-unit to CY-590, \$10.00
 CX-1210, connects CY-590 to G-8/GRC, \$12.00
 CX-1213, interconnect RT-70/AM-65, \$9.00
 CX-1359, DC battery cable for GRR-5, \$8.00
 CX-1360, multi-cell batt-cable f/GRR-5 \$10.
 CX-4655, jumper PRC-25/77 to AM-2060, \$10.
 CX-4721/VRC, DC cable, 2.5 ft, \$8.00
 SC-C-446149, looks like CX-4722, 10' \$7.50
 SC-C-75348, 6 ft adapter w/U-77 & U-78, \$9.

AN/PRC-10 RADIO SET



We sold all of the very popular complete "government-reconditioned" PRC-10 systems but we can still supply reconditioned RT-176/PRC-10's with some good condition "used" accessory kits consisting of CY-5007/744 battery box, AT-271-272-272A antennas, AB-129 antenna base, H-33/PT handset, CW-216 canvas bag, and manual at a "special package" price. RT-176 operates over 38 to 54.9 Mhz FM with 0.9 watt transmitter output continuously tunable. Controls for Volume, Tune, Squelch, Pointer Adjust, and Dial Lock. Tubes 9/5678, 2/5672, 3/5676, 1A4, and 5A6. Size of RT-176 and battery box: 3x9.5x20, 22 lbs sh. AN/PRC-10 SYSTEM as described above, \$85.00 RT-176 only, gov't-reconditioned, \$45.00

RT-174/PRC-8 TRANSCEIVER only, same as RT-176 except 20.0 to 27.9 Mhz, Used, \$35.00
 BA-279 BATTERY f/PRC-8-9-10, 7# unused \$7.95
 AM-598 AMPLIFIER POWER SUPPLY, functions as 24 VDC supply and audio amp for PRC-8-9-10 transceivers which plug into top. Built-in audio cord connects to RT-audio. With tubes OC3, 2/12AT7, 2/26E6, 26Z5; 11.3x 11.5x10.3, 38 lbs. Used, \$28.
 CX-2031 BATTERY CABLE for AM-598.



38 TO 54 MHZ RECEIVER



R-110 RECEIVER 38 TO 54 MHZ FM CONTINUOUSLY TUNABLE, VARIABLE SQUELCH AND AUDIO, OUTPUT IMPEDANCE 600 OHMS. 4.3 MHZ. I.F. WITH TUBES 3/1U4, 2/1L4, 1A3, 2/3A5, 1R5, 2/3C4, 2/6AK5 & 0B2.

VOLTAGES REQ. 135 VDC @ 70 MA. AND 6.3 VDC 2 AMPS. SIZE: 9x13x7 1/2; WT: 32 LBS. USED \$35.95

R-108

RECEIVER, SAME AS R-110 ABOVE EXCEPT 20-28 MHZ. USED \$21.95

R-109

RECEIVER, SAME AS R-110 ABOVE EXCEPT 27-39 MHZ. USED \$27.95

PP-282 POWER SUPPLY 24 VDC FOR R-108-109-110 RECEIVERS. MOUNTS INSIDE REC. USED \$5.95

GRC SHOCKMOUNTS



MT-297 SHOCKMOUNT RACK, used in GRC-3 thru -8 systems. Holds one RT-66-67 or -68, one PP-109 or -112, one R-108-109 or -110, and RT-70/AM-65. Includes system interconnect and DC cables but not RT to PP/AM "dogbones." 33.5x4.8x13.5, 70 lbs. Used \$20. MT-299 RACK for one RT-66-67 or -68 and one PP; 35 lbs sh. Used, \$15.00; Unused, \$25.00 MT-300 RACK for RT-70/AM-65, 24#. Used, \$22. MT-327 RACK for one RT-66-67 or -68, one R-108-109 or -110, one PP-109 or -112; 32 lbs sh. Used, \$15.00; Unused, \$25.00

ACCESSORIES

CY-5007/744 BATTERY BOX f/PRC-8-9-10, \$6.00
 AT-272A-272 RIBBON ANTENNA & FLEX BASE, \$8.00
 AT-271/PRC 7.5' TELESCOPING ANTENNA used \$10
 AB-129 RUBBER BASE f/AT-271 (PRC-8-9-10) \$3.
 AB-591 RUBBER BASE f/AT-271 (PRC-25-77), \$4.
 H-33/PT HANDSET, used \$15. H-29 MIC, \$5.00
 H-189 HANDSET, used, \$15. H-80 MIC, \$10.
 LS-166 SPEAKER with wall bracket, used, \$15.
 GRC/VRC CONNECTORS, specify type and equipment used. Used, cut-offs, \$3.00 each.
 AUDIO PLUGS, metal; used: U-77, \$3. U-229 \$4.
 CX-1211 CABLE, RT-66-67-68 to PP-112, \$7.
 CX-2031 BATTERY CABLE for AM-598, \$8.00
 SHOCKMOUNT for AM-598, \$5. MANUAL, \$4.00

GRC/PRC BATTERY TEST

AN/PSM-13 BATTERY TEST SET; DESIGNED TO CHECK GRC AND PRC-TYPE BATTERY PACKS INCLUDING BA-270, -279, -376, -377, -386/PRC-25, -398/PRC-25, -399, AND -505. METER INDICATES BAD-GOOD (FS) MA. WITH ADAPTERS U-240, -241, -242, -297, -314, -315, -346 AND CANVAS CASE. SMPG, WT: 7 LBS. PRICE: USED, EXCELLENT, \$24.95



PRC-8-9-10 TEST SET

AN/URM-113 RADIO TEST SET, consists of TS-977 and accessories; designed to align and test modules of backpack transceivers AN/PRC-8-BA-9-9A-10-10A. Modules AN-427-427A, TF-132, or TF-204 from the radio under test simply plug into TS-977 and 3.5" round meter indicates the "quality" of the respective modules. Also checks crystal frequencies 4.26, 4.3, and 4.34 Mhz. Operator info incld: 8.6x13x9.7. 23 lbs. Unused, \$40.



XMITTER MODULATOR



MD-203/GR MODULATOR, converts a transmitter's CW signals into frequency shift for RTTY transmission. Designed for use with T-195/GRC-15 xmitter, MD-203 is usable with any xmitter with 1.5 to 3 Mhz fundamental frequency. Shifts 850 Hz (1.5-3 Mhz), 425 Hz (3-6), 212 Hz (6-12), and 106 Hz (12-20). 1 volt min signal input; requires 24-28 VAC 1.8 amp. W/tubes 26A7, 26D6, 5/26A6. 9.3x7.3x13.3, 25 lbs sh. Used, \$24.50; power conn, \$5 w/set. MANUAL for MD-203, partial repro, \$8.50

AM-6669/PRC RF POWER AMPLIFIER, designed for use with PRC-41 backpack transceiver, but usable with other 225-400 Mhz xmitters such as PRC-66, ARC-45, etc. Power output: 10 watts from 2-3 W input; "N" connections. Solid-state; 24 VDC required. 5.3x6x9.8, 10 lbs sh. Used, \$95.00



PP-281/GRC 12 VDC POWER SUPPLY, allows 12 VDC power f/R-108-109-110 & RT-70/AM-65; 6#. PP-281, used, \$14.95; unused, \$22.95

TECH MANUALS WITH SCHEMATICS FOR:
 RT-196/PRC-6...\$7.50
 PRC-9A-10A REP \$10.00 AM-598.....\$4.00
 RT-66,67 & 68...\$5.00 PP-109 & 112...\$5.00
 RT-70.....\$5.00 AM-65.....\$5.00
 R-108, 109 & 110.....\$7.50
 AN/VRC 13-15 or AN/VRC 16-18, CONTAIN INFO & SCHEMATICS ON RT-66,67,68, R-108,109,110,PP-109,112. VAR. MTG. CONTROL BOX Es. \$7.50



R-394/U RECEIVER, 152-172 Mhz FM single channel crystal-controlled. Dual conversion unit has first IF 7.8 Mhz and 455 KHz second IF; also squelch and muting circuits. 8 ohms output impedance. Set features modular construction with plug-in units 1st RF amp, local oscillator, 1st IF amp, 2nd IF and discriminator, and audio/squelch. 455 KHz selective filter is wired in. Also has compartment for modular power supply which is listed elsewhere on this page. Includes tubes 14/5678, 4/1AD4, 5672, 5840, 5783, and 6AK6. 8x5x14 1/2 lbs. Used \$118; Gov't-recond \$207 \$115.

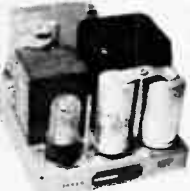
R-257 RECEIVER, same as R-394 except covers 25 to 50 Mhz FM, used, \$12.95



T-278/U TRANSMITTER F.M. 152 to 174 MC APPROX. 30 WATTS, CRYSTAL CONTROL ON ANY TWO (2) PRESET FREQ. PHASE SHIFT MODULATION 15 KC DEVIATION, CR-27/U CRYSTAL UNIT FREQ. RANGE 4750-5437.5 KC. MULTIPLIED 32 TIMES. WITH TUBES 2/364, 3/2E24, 4/5678, 2/5672 AND 2/1AD4.

VOLTAGES REQUIRED AS SHOWN WITH DY-93 DYNAMOTOR POWER SUPPLY FOR USE WITH T-208-278-417 TRANSMITTERS. Input: 12 VDC 20 amps. Output: 380 VDC 180 ma, 225 VDC 45 ma, -25 VDC 5 ma. 8x7x14, 29 lbs. Used \$9.95

MX-1547 RECEIVER SUB-ASSEMBLY for R-257 & R-394; relay controls Tx for re-xmit \$4.95



VIBRATOR POWER SUPPLIES for R-394 and R-257 receivers; fits inside receivers; 10 lb PP-867, 24 VDC input, \$4.95 PP-868, 12 VDC input, \$5.95 PP-846, 115 VAC 60 Hz input, \$29.95

DY-93 DYNAMOTOR POWER SUPPLY for use with T-208-278-417 transmitters. Input: 12 VDC 20 amps. Output: 380 VDC 180 ma, 225 VDC 45 ma, -25 VDC 5 ma. 8x7x14, 29 lbs. Used \$9.95



AN/VRC-19 RADIO SET, 6 VDC input system consists of R-394 receiver, T-278 transmitter, DY-100 dynamotor-power supply, C-847 speaker-control, CY-938 cabinet, MT-1236 mount, H-33 handset, and manual. 17.5x11.3x25, 110 lbs sh (UPS in 2 pkgs). Used, \$55.00; Gov't-reconditioned, \$79.50

#12V/VRC-19 SET, 12 VDC input version of VRC-19; DY 93 in place of DY-100, add \$6.

URC-68 DISTRESS RADIO

AN/URC-68 DISTRESS TRANSMITTER, handheld unit designed as an emergency radio for aircraft pilots; operates over 38-42 Mhz FM and 230-250 Mhz using 4 preset channels, voice, MCW, and beacon. All have 40.5 Mhz FM and 243 Mhz UHF channels; other three frequencies depend on selected crystals (not available), 50 KHz spacing. Power output 500 MW (FM), 200 MW (UHF); range 19 miles line of site or 3-5 miles over varied terrain. Includes squelch, built-in microphone, speaker, and antenna. Requires 11-16 VDC originally supplied by BA-1112 battery (not available). 6x3x12, 3 lbs sh. Used-reparable with receiver and transmitter output, \$79.50 AS-IS, no output but good modules, \$59.50 MANUAL, partial reproduction, \$10.00



CV-278 FREQUENCY SHIFT CONVERTER for RTTY use with R-392 receiver and T-195 xmitter; use with any Receiver having 450-500 KHz IF. Requires 28 VDC 2 A. Has Discriminator meter but less 0-50 us Signal Input meter. 9.3x7.3x13.8, 25#. Used, \$30. Power plug, \$6.

GE 'PROGRESS-LINE'

GE PROGRESS-LINE 50 WATT MOBILE TRANSCIEVER single-channel crystal-controlled in the 144-174 FM Mhz band Has #4KR25C2 receive, #4ET-21A2 transmit, and #4KP2B vibrator power supply sections. Transmit deck uses two 6146 tubes in P-A. Power supply requires two vibrators (not available); for 12 VDC operation. Internal trimmers for antenna tuning, coupling, and P-A plate; 21 tubes. 6x14x15 1/2. 34 lbs sh. #MA E/36N. used less xtal & cover, \$130. S318-CCT CONTROL PLUG, \$3. POWER PLUG, \$2.50



MODULES from R-354 152-174 Mhz receiver; possibilities for the RF experimenter. W/ schematic; 2.6x2.1x7.3, 2#: LOCAL OSCILLATOR, tubes 5678, 5783, 2/1AD4, & xtal oven (no xtal) \$4.95 AUDIO & SQUELCH w/tubes 3/5678, 5672, 6AK6 and 10K:8 ohm AF transformer, \$5.95 152-172 MC RF AMP, 5840 & 2/1AD4; \$2.95 1st IF 7.8 MC, tubes 3/5678 & xtal, \$3.95 455 KHz SELECTIVE FILTER, 2.5x2x5.5, \$2.95

MOTOROLA TRANSCIEVER

MOTOROLA FM MOBILE TRANSCIEVER, transmits in 144-174 Mhz range, receives between 450-470 Mhz. #TD6050AB transmitter section has output of 25 watts min. (144-167 Mhz), 20 W min. (167-174 Mhz) using single crystal-controlled channel. Crystal multiplication 24 times; 50 ohm output impedance. Has nine tubes including 6146 in power amp. #XRE1000-AH receiver has dual squelch "Private Line" or separate tone-controlled and carrier squelch circuits. Two crystal-controlled channels; 455 KHz final I.F. Audio output 2 watts into 3.2 ohms. With 14 tubes. #XPN-6003B transistorized power supply Requires 12 VDC input to supply voltages for transmitter and receiver. Crystals and accessories not available. 6x10x19 1/2, 28 lbs. Used less 6146 tube \$12.50 \$12.50; Schematic set, \$5.



BA-279 BATTERY PACK

BA-279/U BATTERY, intended to power AN/PRC-8-9-10 or Canadian PRC-509-510 backpack transceivers. However, pack can be readily disassembled to utilize the different cell voltages for other power uses. Cell outputs: +1.5 V 675 ma (A1), -1.5 V 250 ma (A2), +67 V 25 ma (B1) +135 V 50 ma (B2), and -6 V 400 ma (C). Batteries have 2/79 dates and have been in cold storage thru 3/84; not rechargeable. 8x8x22 7 lbs sh. Unused, \$7.95 each; Case of 12, \$72

BA-4386 LONG-LIFE MAGNESIUM BATTERY for backpack radios AN/PRC-25-77; output (as supplied to PRC-25-77): 12.5 VDC 600 ma (receive), 12.5 VDC 1.4 amp and 3 VDC 400 ma (transmit) Estimated battery life: 30 hours 9:1 R/T ratio. 4/80 date code; cold storage thru 3/84. 3x9x22, 3 lbs. Unused, \$5.95; 8x36.

PRC-25 AC SUPPLY

C-7673/PCC-1 RECTIFIER CONTROL UNIT, intended for use with two RT-505/P RC-25 transceivers and TH-81 terminal as controller for telegraph-telephone repeater system. Also functions as 115 VAC 60 Hz or 24 VDC supply for two RT-505's. Control one or both RT-unit, power DRY BAT-5B451-OFF-VEH-115 VAC, handset connection, cables, two 3 A fuses for AC and two 5 A for DC. 2.1x9.7x6.6, 10 lbs. UNUSED, \$100.00 Used, \$75.00; Used "AS-IS not working", \$40.



O-32 Mhz RECEIVER

R-392/URR RECEIVER, 0.5 to 32 Mhz AM-CW in 32 one Mhz bands using mechanical digital tuning. Triple conversion on lower 8 bands, double on others. Selective bandwidth 2-4-8 KHz; 100 KHz crystal calibrator points. With 25 tubes of 26A7, 26A6, 26C6, 26D6, 6AJ5, 12AU7. Requires 24-28 VDC 5 amps. Rugged vehicular version of the famous R-390 receiver. 11x14x11; 58 lb sh wt. Used-reparable, \$165. Checked, \$235. MANUAL for R-392, partial repro, \$15.00 IS-166 SPEAKER for R-392, used, \$12. w/set. 115 VAC POWER SUPPLY f/R392-no connector \$25.



54 TO 70.9 Mhz

R-125/GRC-10 RECEIVER, 54 to 70.9 Mhz FM in 100 KHz steps. Variable IF 15.15-16.05 Mhz; final 4.3 Mhz. With signal level meter, AFC, squelch, selectable 600/4 ohm audio out, U-77 type audio connection and 23 tubes. Requires 200 VDC 100 ma and 24-28 V AC or DC 1.3 amp. 9.3x11.3x13.3; 29 lbs sh. Used, \$45.00 CONNECTORS f/R-125, power or control, \$3 ea. MANUAL for GRC-10 (R-125/T-235/DY-94), \$8.50



CY-590/GRC

CY-590 BATTERY BOX usable either as battery box for receiver section of RT-66-67-68 or connects transmit voltages of G-8 generator to RT-66-67-68. Requires five 1.5 VDC BA-403 and one 90 V BA-419 batteries (not available). 14- and 9-pin cable connections. 5.8x8x13, 9 lbs sh. Used, \$15.00 G-8/GRC GENERATOR w/legs & seat; 32 lbs \$35.



WW-2 INTERPHONE KIT

RC 298 ARMORED TANK INTERPHONE EXTENSION KIT used with RC-605 interphone in conjunction with RC-603/604 & RC-683/684 radice sets in WW-II tanks. Includes RC-1362 steel explosion-proof phone box with H-22 handset. RC-1361 remote call box, 30' 7-cond cable, rubber tape, 125 pcs hardware kit, manual, and other items. 85 lbs sh; 2 pkgs UPS or in original wood crate motor freight collect. Unused, \$25.00



C-375/VRC CONTROL

C-375/VRC CONTROL BOX, used with GRC-3--8 series equipment as a remote junction and switching box. Controls audio lines of two transceivers, one receiver, and one interphone amp. Has two each U-77 connections, volume controls, mic & phone jacks. 7x7x4, 5 lbs. Used, \$10.



C-435/GRC CONTROL, plugs into MT-297 mount and allows duplex use and retransmission of GRC-3 thru -8; functions as junction for control and audio lines of Rx-Tx and aux-Rx. Has 1.75" sq meter; no generator. 3.5x8.8x7.3, 7 lbs sh. Used, \$15.



PRT-4 XM TTER

AN/PRT-4 MINIATURE TRANSMITTER, designed to operate on two preset channels between 47 and 57 Mhz. Output 450 mw (Ch 1), 50-250 mw (Ch 2); also 150 Hz tone. Has built-in speaker and clips onto belt or pocket. Requires 12 VDC originally supplied by BA-399 battery (not available). Units sold "as-is" less antenna crystals, battery box. 2x4 1/2x2, 2 lbs. \$16.95



VERY HIGH VOLTAGE

DC POWER SUPPLY WITH 107-25 VAC 60 Hz PRIMARY. Two outputs: -5.4 to 5.75 Kv. @ 140 to 300 u-A. ONE output: -5.1 to 5.3 Kv. @ 100 to 270 u-A. SIZE: 12x2x4 1/2. WT: 10 lbs. GE#9T63Y2029G6, Useo, \$10.95

HIGH VOLTAGE SUPPLIES

HIGH VOLTAGE DC - DC CONVERTERS originally a CRT HV supply module; use in HV experiments or in bug zappers.

#ULC-14-07C, input 5-15 VDC 100; output 4.5 to 13.5 KV. Also 135-402 V and 70-93 VDC. Potted; PTK mfg. 3.2x4.2x1.4, 3#, NEW \$9.95

#B2-10B41-01, input 10-20 VDC 100-300 ma produces output of 10-20 KVDC; aux outputs of 64-135 V and 35-39 V. Greater current output than above supply; components accessible-not potted. 3x5 3/4x2 1/4, 2#, NEW \$12.95

TRYGON DC SUPPLIES

DC SUPPLIES for the military inputs 105 125 VAC 48 62 Hz. Outputs regulated 0.01% w/2.5" dia volt- and ammeters; 6.5x19x15:

#PP-4464 (Trygon M15/15A), output 15 VDC +/- 3v 0-15 amp; 70 lbs sh. Used, \$125.00

#PP-4465 (Trygon M15/30A), output 15 VDC +/- 3v 0-30 amp; 100 lbs sh. Used, \$145.00

#PP-4466 (Trygon M4.5/30A) output 4.5 VDC +/- 1v 0-30 amp; 65 lbs sh. Used, \$65.00

COMPUTER SUPPLY

COMPUTER POWER SUPPLY with popular outputs 28 VDC 9.5 amps and regulated 5 VDC 5 A, 12 VDC 5A, -12 V 2 A, -6.8 V 0.8 A. Operates from 100-125 VAC 60 Hz. Supply has many useful components such as transformer rated 39.8 VCT 8.5 A and 22.7 V 12 A, front panel w/(4) 10x2-7/8x1 1/2 heatsinks and six 2N3055 transistors, (2) K25005 bridge rectifiers, capacitors (3) 51000 mf and one 19000 mf 40 VDC, regulator PC card, other parts. Made in Canada for NCR. 10x14x12, 65 lbs sh. #M32-01-775, \$29.95; 2/\$50.

SOLID STATE POWER SUPPLIES rated conservatively and constructed on rugged steel frames. Units have front voltage adjust +10% running light, AC reset. Also adjustable current limiting and overvoltage protection. Power input: 115 VAC 60 Hz. Removed from equipment. Add \$10.00 to prices for "checked" units.

RATING	SIZE	Sh Wt	No.	PRICE
4 V 30 A	13.5x7x15.5	65#	924	\$20. \$24
20-24 V 5.5 A	9.5x7x20	47#	332	\$40. \$32
30 V 3 A	15.5x7x19.5	38#	889	\$27. \$21

DUAL POWER SUPPLY, same style as above, -32-36 V 14.7 A and -32-36 V 10.3 A; two independent regulators w/common buss. 20x12x14, 125 lbs sh. #450. \$60 \$45

HFE CRT POWER SUPPLY; HAS 6.5 KV LOW CURRENT OUTPUT WHEN USED WITH 10 VDC 1.75 AMPS DC-TO-DC INPUT CONVERTER. WILL PRODUCE 7.5 KV FROM 12 VDC INPUT. OTHER LOW CURRENT OUTPUTS OF -2500 AND -1500 VDC. TRANSISTORIZED WITH COVER AND CONNECTORS. 11x6x5 1/2, 10 lbs. Used, exc., \$15.95

HFE LOW VOLTAGE POWER SUPPLY; OUTPUT: 10 VDC 1.75 AMPS, ADJUSTABLE -1 V. INPUT: 115 VAC 60 Hz. TRANSISTORIZED WITH FUSE AND CONNECTOR. 10x6x4; 12 lbs. REMOVED F/EQUIP., \$7.95

HFE CRT AND LV POWER SUPPLIES AS SET, \$20.00

COMPUTER SUPPLIES

COMPUTER POWER SUPPLY, outputs +5 VDC 15 amps and +12 V 1 A from 115 VAC 60 Hz input. Uses IC regulator to drive 2N3055; also LED status indicators, 4" axial fan, and cover. 6x6x19 3/4 lbs. #MA-2149, used \$19.95

#FD-2266 DISK DRIVE SUPPLY as above but +5 V 5 A, +24 V 5 A, -5 V 1 A; Wilton mfg. \$24.95

DC REGULATOR BOARD

POWER SUPPLY REGULATOR BOARD for supplies +5/-5 regulated 3 amp and upto 24vdc unregulated. W/capacitors 2/15000 mfd 15 V. 33000 mfd 30 vdc. 2/KBPC bridge rectifiers, two 2N6576, 2/2N4441 SCR. Regulators fixed encapsulated circuit boards and replaceable. 7.75x6x4; 3 lbs sh. #MEND-REG-SV. NEW. \$6.50

MODULAR SUPPLIES

AC DC #ECV5N6-1 5 VDC 6 AMP MODULAR SUPPLY, +0.05 line and load regulation from 100/117/220/230/240 VAC 47-440 Hz input; 4.9x5.6x2.5, 5 lbs. NEW \$17.95

ACME ELECTRIC 1S VDC 5.5 AMP SUPPLY, voltage adjust +0.75 V; +0.1% line and load regulation from 115/220/230 VAC 47-440 Hz input. Also remote sensing and adjustable OLP. 9x4.9x3. 8 lbs. #APH1E-6.5, NEW \$22.95

SUN SUPPLIES

OPEN FRAME SUPPLIES which can be used as-is or taken apart for excellent parts values; 115 VAC 60 Hz input, 32 lbs sh. All unused:

#PS-3REG SUN SUPPLY, features two modular regulators 12 VDC 4 amp and one 5 VDC 8 amps max. Unregulated DC outputs 15 V 15 A and 15 V 2 A. AC outputs 50 VCT 2 A, 54 V 2 A, 30 V 1.2 A, and 6.3 V 2 A. Nice 10x12x3.5 chassis; o/a 10"H. Unused, \$24.95

#PS-1415-NR SUN SUPPLY, unregulated DC outputs 14 V 15 amp, +22 V 4 A, -22 V 4 A; AC outputs 19.3 V 1 A, 30 V 1 A. Includes 5.5x4.8x2.6 and 1.5x4.8x1.3 heatsinks w/200 V 25 A rect-bridges and capacitors; no regulator modules, 20 lbs sh. Unused, \$14.95

10/4.5 VDC 15/3.5 AMP

DC POWER SUPPLY provides 10 VDC 15 amp and 4.5 VDC 3.5 A outputs from 100 to 127 VAC 60 Hz input. Wire output in series for 14.5 VDC at 3.5 A. 7x12x4.5, 17 lbs. #PX-2939, \$14.95

CASH REGISTER POWER SUPPLY has outputs +6, +10, +15, -24 VDC from 115 VAC in. Also 6 V gel-cell battery, 6x4.8x1.5 heatsink with 4/70-3 transistors, and regulator board. 8x8.5x7.3, 22 lbs sh. Origir #202550A unused AS-IS \$22. \$14

120 V 20 KHZ SUPPLY

LAMP POWER SUPPLY, an item for the experimenter who finds the 120 VAC 20000 Hz out from 120 VAC 60 Hz input intriguing or finds the supply a good source of usable parts. Consists of two 6x4 1/2 heatsinks each w/2N5055, transformer w/2-4 VCT 500 ma outputs, ferrite core autotransformers, PC board. 4.8x2.5x3.5, 9 lbs. GE#T69Y1500-64, \$6.95

UNUSUAL TUBES for collectors and experimenters. Filaments checked but not guaranteed.

JAN 218 RECTIFIER TUBE, 1/2 wave high vacuum; jumbo 3-pin base. 15x5x5" dia \$10.

250TH-R TRIODE w/bad filament 4-pin base; 10"Hx5 1/2" dia, \$8.

JAN 705A RECTIFIER, 4-pin base. 5"H x 2 1/2" dia. \$5.

JAN 715B PULSE AMP TETRODE 4-pin base, similar shape as 705A; 5 1/2"Hx2 1/2" dia. \$6.

WESTINGHOUSE OL-2 TUBE WITH-IN-A-TUBE, 1 1/2"Hx2" dia \$7.

SAL-219 RADAR MAGNETRON unused \$500.

EIMAC 2-450A high vacuum HV rectifier, 30 KV peak 7.5 V 25 A fil; 7 lbs. "As-Is" not guaranteed, \$17.50; or guaranteed, \$125.

R4330 PHOTOFLASH TUBE Operates at 2250 volts, 6 flashes per minute 100 watt-sec/flash maximum. 12,000,000 lumen peak light output; integrated light output 3500 lumen sec flash. Sylvania, NEW, \$10.00

500 MHZ TRANSMITTING TUBE 8012-A TRIODE

DIRECT WIRE FILAMENT: 6.3 V 1.92 AMPS.
MAX. PLATE: 1000 V. 80 MA. 40 W
CAP: G-F 2.7; P-F 0.4; G-P 2.5
MU 18; GRID CURRENT 20 MA

CLASS "C". TELEGRAPHY 35 W W/DATA, UNUSED, TELEPHONY 20W \$2.00 EA. 4 FOR \$6.

8025 TRIODE, same as 8012 but 4-pin base, \$3.

COLECO DRIVE SUPPLY

COLECO DISK DRIVE POWER SUPPLY for ADAM system; transformer type with outputs +5 V 3 amp, +12 V 2.9 A, -5 V 200 ma, and +18 V inductive 1 A. 115 V 60 Hz input. With cords and On-Off switch. 11x4x8, 10 lbs sh. #COL73559, unused \$12.95

CIRCUIT SUPPLY MODULE

POWER SUPPLY MODULE with conductor card fuse, 100/115 V input switch, and 50% voltage switch. Outputs: 18 V 350 ma and 30 VCT 600 ma. 50% switch results 9 V 350 ma and 15 VCT 600 ma. 6x4 #2.3, 4 lbs. #PSM-4404-B7AD, used, \$4.95

MICROCOMPUTER POWER SUPPLY, uses two 3-TERMINAL REGULATORS AND A 723 WITH TIP3055 TRANSISTOR. INPUT: 115 VAC 60 Hz; OUTPUT: -25 VDC 180 MA; -5 VDC 800 MA, -15 VDC 1.25 AMPS. WITH SCHEMATIC. SIZE: 3x5x4; SHPG. WT: 10 LBS. #ECRPS-744, \$8.00

24 VDC 6 AMP SUPPLY

24 VDC 6 AMP POWER SUPPLY originally used in Xerox equipment but usable to power R-392 receiver and other equipment. Requires 105-125 VAC 60 Hz input. 4x9x8 1/2, 20 lbs. #A3-59134, used-checked, \$24.95

PRINTER POWER SUPPLY Has AC outputs 2/24, 6, 18, 42-14-0-14-42 V from 115 VAC 60 Hz input. DC rectification required for proper voltages. Also has line filter for external fan, relay for cover interlock, and two fuses. 11x6x4, 18 lbs sh wt. #803-101, \$14.95 \$9

230 VDC TRANSISTORIZED POWER SUPPLY, 115 VAC 60 Hz input. Units marked "200 VDC" but they test at 240 VDC 300 ma. 5x4x5, 15 lbs. #3930, NEW, \$22

LEDEX

LEDEX HEAVY DUTY SOLENOID #S 8210
025, 8-position
45° stroke, 28 VDC
Starting torque:
5 lb-in @ 35 watts
(15 lb-in holding) continuous
duty. Upto 32.8 lb-in
starting torque. @ 700 watts
1/20 duty. 7S size: 2 1/2" dia
x 1-7/8" with 3/8" x 3/8" dia.
shaft. 4 lbs. Unused, \$4.95



OPEN FRAME SPDT
5.5-7.5 VAC coil;
CONTACTS RATED 5 A
115 VAC. 1 1/2" x 1 1/8"
#5945-233-1398, \$1.25

ALLIED CONTACT T25X-18, coil 115 VAC 2580
OHMS. GOLD-PLATED
DPDT CONTACTS RATED
5 A 29 VDC. 2 1/2" x 7/8"
x 1-3/8". UNUSED, \$3.00

4PDT RELAYS, 110 VDC, heavy
contacts. 2x2x1 1/2". Removed.
#DOX187T, 5000 coil, \$2.00
#DOX137T, 24 VDC 230 A \$1.50
DUAL COIL each
3PST; one 24
VDC, other 48
VDC. PCB mtg.
2 1/2" x 1 1/4"; #116-2601, \$2.50

TIME DELAY/SEQUENCE RELAY,
has 3-SPDT &
1-DPDT 12 VDC
6 A. relays.
Delay sequence
ON/3.5s/5.0s/10 sec. Solid-
state w/24 V 1 amp transformer,
250 mrd 50 VDC cap. 115
VAC 60 Hz input. 7 1/2" x 3 1/2" x 3 1/4"
3 lbs sh. #140-P197C \$6.95



SIGMA DC RELAYS;
OPEN-FRAME, 2 AMP
CONTACTS, 1 1/2" x 2 1/4" x 1 1/2"
REMOVED F/EQUIP.
#41F500SIL 6 VDC 5A, \$1.25
#41F1000SIL 12 VDC, \$1.50

**GUARDIAN ROTO-
MITE STEPPER**,
12 VDC 12 posi-
tion 3 amps
resistive. 3x
1 1/4"; #706-12P-12D NEW \$4.

**HEAVY DUTY SPST
MICROSWITCH AS-
SY** with electri-
cal reset. De-
press plunger to
open circuit;
close only with
48 VDC to wire leads. In
rugged cast aluminum case.
3.5x3.3x1.5 plus 1" plunger;
26. #2CE17, NEW, \$5.95

**MOTOR DRIVEN
SPST RELAY**
normally open,
115 VAC 60 Hz
10 A contacts.
Non-synchronous 115 VAC 4/5
RPM motor's cams can be set
to make contact over 30-60
sec range. Provision to
bring out shaft. 2.5x4x2, 1
lb. #N17R-68292, unused \$5.

**E-T-A CIRCUIT RE-
SET** push switches,
type 45-700-F. Fits
into 3/8" hole; re-
quires 2" depth.
O/A 1 1/2" x 2 1/2"; Used.
250 VAC 5 amp, \$2.
" 15 A. \$2.50

**MUTER 433-AC
10K OHM POT**,
1930's-40's
precision
pot; 1/2" dia
shaft. 3 1/2" x 5 1/2"
dia. Unused \$4.



STEPPING SWITCH
9-deck 20-posi-
tion 115 VDC
Clare type 20
6x6x2, 5 lbs.
#A320750 \$10.
#7709181-P6,
9-deck 25-pos 24 VDC \$7.50



**ELECTROL 5 VDC 280 ohm REED
RELAY; 2 1/2" x 1 1/2". #R-4376-2 \$2**

**F&B KR-4175-1 DP-
DT PLATE RELAY;**
sealed metal can,
requires octal
socket. 2.5x1.5
x 1.4, unused. \$2.00



**P & B 3PDT PLUG-IN TYPE
RELAY WITH 24 VDC COIL.**
120 VAC 10 A. CONTACTS.
#KUP14015, w/socket, \$2.95

**AC CONTROL RELAY, 120 VAC
coil; SPST N. OPEN 10 A.**
AND SPST N. CLSD. 10 A.
CONTACTS. SEALED CAN, SOL-
DER TERM. 3 STUD MTG. 2 1/2" x
1 1/4". #73216717, \$2.50

**DOLLAR DAZE RELAY
PC BOARD, 3-SPDT** 45-83
12 VDC relays in
1x5/8x1 1/2" plastic cases \$1.50

RHEOSTATS

RHEOSTAT VALUES:
FIRST SET OF
NUMBERS AFTER
RHEO-PREFIX IS
THE WATTAGE.
YOU INDICATE
DESIRED OHMS
IN SECOND SET.
SCD= SCREWDRIIVER ADJUST.



#RHEO-25W-(ohms), \$1.50 ea:	2	5	6	7	
	15	37.5	50	60	
	75	300	350	400	500
600ohm 1K 150K 2500 3500					
5K 10K 20K (DUAL 50K) \$3					

#RHEO-50W-(ohms), \$2.00 ea:	5	8.5	10	15	16
	18	20	30	35	150
	200	225	275	500	10K
DUAL 35 \$4; TRIPLE 2.8 \$6					

#RHEO-75W- 15 25 100 \$2.50				
#RHEO-100W- 5 20 125 1K \$3.				
#RHEO-150W- 500 750 \$4.00				
#RHEO-225W- 2500 ohm \$6.00				
#RHEO-500W- 19.7 ohm \$15.00				

**MIRRA 25 WATT
"ANTIQU" POTS w/
knob and pointer.**
Looks like those
used in 1920's
radios. Specify ohms: 6,
250, or 400. Unused, \$4.50

10-TURN HELIPTS
2 1/2" x 1 1/2" dia; 1/2"
dia shafts. Used.

30K ohms 3-term
3x 1/2"L shift \$3
50K ohms 3-term
3x 1/8"L shift \$3
100K ohms 3-term
5x .5" shift NEW \$4.

RB-DUODIALS f/above Used \$5
** RADIO COLLECTOR'S **
DIRECTORY AND PRICE GUIDE
by R. Grindler & G. Fat-
hauer; 1921-1941 in list-
ings, commentary, pictures.
351 pp; 3 lbs sh. \$15.95

**REED RELAY
CIRCUIT BOARD,**
3/500 ohm and
one 5K ohm
10-15 VDC reed
relays w/large
1/8x1/16" con-
tact area. Also one 25 VDC
DPDT sealed relay 3/6x1/7/8
#792-312, unused, \$3.95



CRYSTALS

FT-241 CRYSTALS f/BC-604,
684; channels 0.79 No
choice 3/1. Choice \$1.50
200 KHZ FT-241 XTAL, \$3.50

1000 Khz CRYSTAL, temp. co-
eff. 0.0001% @10 Hz/°C.
Octal base; f/BC21-T3323-
IM21 frej. meters. Jacket
wiring may be changed. \$12.

JK-02 CRYSTAL OVEN
FOR CR-26 CRYSTALS
OPERATES FROM 6.3-
24.2 V. AC/OC, OCTAL
BASE.
MOTOROLA #25B1001
FOR ONE CRYSTAL AS
USED IN R-394-257
RECEIVERS. \$1.95

**MOTOROLA #25B1003 FOR TWO
CRYSTALS AS USED IN T-278-
208 ETC. TRANSMITTERS \$2.50**
3.6 MHZ CRYSTAL OVEN, octal
based unit has CR-28 type
crystal; 110 VAC. 4x1.8x1.5
1 lb. #Y501/FR-5, used, \$7.
12.0 MHZ CRYSTAL OVEN octal
based unit has CR-36 crys-
tal; 24 VDC. 1.8x1.3" dia;
*XTL-MD203, used, \$4.95

AN-3160 PUSH-BUTTON
aircraft circuit
breaker. 24-30 VDC;
5 or 10 amp. \$1.25 ea

**HEINEMAN MODUL
AM2BK, 2 1/2" x 2 1/2"
12 VDC 3 A \$1.25
50 VDC 3 A \$1.35
50 VDC 40A \$1.50
AM1516 50 V 100A 4x3 1/2" \$4.
AM12 115 VAC 60 Hz \$1.50 ea
AMPS: .93, 1.75, 4.2, 5.15**

JIRPAK UFL1-11-676
65 VDC 45 A; delay
51, trip 56.25 A.
2 1/2" x 1 1/2". NEW \$5.

**#UFG1-1REC2, 65
VDC 1.25 amps;
delay 51, trip
1.57 amps. Aux switch 10
amp 250 VAC. 2 1/2" x 2 1/2", \$3.00**

**HEINEMAN AM2MG, two pole
115 V 10 A; 1 1/2" x 2 1/2" \$2.50**
HEINEMAN CDE
type CIRCUIT
BREAKERS,
ganged two
pole; 4 1/2" x 2 1/2"
2 lbs. NEW

**#CDE-210-1, Rt 0.035 A DC
Cur P. Lt 68 A 270 VAC 60
Hz Cur 3. \$4.00
#CDE-274-2, 10 A 132 VAC
60 Hz T.D. 2; 125 A 10 VDC
T.D. 3. \$4.25
#CDE-A3-DU, two 18 amp 340
VAC T.D. 1. \$4.50**

**P&B #375-207-101, 7 amp 250
VAC or 32 VDC max. Recessed
button. 1 1/2" x 1 1/2". NEW, \$1.25**

HEINEMAN CIRCUIT BREAKERS:
#AM2511M6, 250 V 3.7 amps
3 1/2" x 1 1/2", used \$2.25 ea
#JA2-AB-A, 240 VAC; hold
17 A, trip 21.25 A. \$2.

MAGAZINES

We carry current issues of
CQ \$2.50 QST \$3.00
Ham Radio \$2.50 73 \$2.95

BOOKS & TECH MANUALS

\$4.00 each

AM-598
PP-867-868
-869
TV-7 TUBE TEST
DATA. 1/62 ec
PP-846
DY-93-98-100
ARC-27 O.I.
ARN-59 O.I.

\$5.00 each

FI-1175
FU-145C
RD-60
AN/33C-1
I-208
AN/PDR-27
\$7.50 each

\$5.00 each
RT-66-67-68
RT-70
AN-65
R-230 (mil-
Zenith
Transcecan
BC-191
BC-375
RU-19
BC-221AH only
PP-281-282
-484 repro
PP-804
PP-100-112
-3-26

AN/ARC-5 BRANCH TEST and
ALIGNMENT, covers neces-
sary info to align R-23A,
R-148, R-25-26-27 recei-
vers; T-18 thru T-22 xmit-
ters; and MD-7 modulator.
w/schematics; repro. \$7.50

R-105/ARR-15 repro \$15.00
AN/ARC-38 repro 17.00
AN/ARC-38A repro 30.00
R4427/ARC-39 repro 10.00
AN/ARC-44 8.50
ARC-60 (R19-CV431) 8.50
ARC TYPE 12 including
R-10-11-15-19, T-11-13,
and related equip. 8.50
AN/ARR-30 repro 10.00
R-648/ARR-41 repro 15.00
AN/ART-13 transmitter
only, repro 12.00
AN/ARR-4 repro 10.00
AN/ARC-9 8.50
AN/ARC-10 8.50
AN/GR-14 (R-808/T-631) \$22
AN/ARR-52 repro 17.00
R-395/PRD-1 repro 15.00
AN/ARC-1 (T-14, R-19,
and AM-8 pwr amp) 8.50
AN/ARC-8 (TSO/R-48) 8.50
AN/VRC-19 (R394/T278) 8.50
R-391/URR repro 17.00
BC-AS-229 repro 8.50
BC-348-J-N-3 repro 10.00
BC-348-K-L-R repro 10.00
BC-624/625 repro 15.00
BC-639 repro 8.50
BC-669 repro 8.50
BC-779/1004 repro 12.00
CV-157 repro 15.00
CV-591 (MSR-4) repro 8.50
R-140 (HRO-5) repro 10.00
R-220/URR-29 \$12.00
R-274 repro 12.00
R-388 (5175) repro 10.00
R-390 repro 15.00
R-390A repro 15.00
R-392 repro 15.00
SP-600-JX repro 10.00
T-195/GRC-19 repro 15.00
TCS-12 repro 12.00

FCG-20 & 21 contains TT-98,
-99, -100 and PE-978, \$10.

SCHEMATICS

REPRODUCTIONS of schematics
\$1.50 and up. WRITE.

TEST EQUIPMENT MANUALS
AN/TRM-1 repro \$10.00
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SG-12/URM-48 repro 12.00
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TS-621/URM-52 repro 10.00
FR-5/URM-80 7.50
TS-510/USM-44 repro 10.00
AN/USM-50 repro 10.00
AN/USM-105 repro 17.00
AN/USM-116 repro 10.00
AN/USM-117 repro 15.00
AN/USM-140 repro 17.00
FR-149/USM-159 repro 10.00
BC-221 f/most models 7.50

Reproductions \$8.50 each:
ME-6D ME-26 Q3-8
SJ-92 TS-143 TS-352
TS-375 TS-382 TS-433B
TS-497B TS-505 TS-106B
IP-175B PRM-10
TV-2, -7 or -10A \$10 ea.

TEK G \$6.00 TEK H \$6.00
W 6.00 1A1 \$10.00
1A2 7.50 1A4 7.50
1A5 7.50 130 6.00
131 6.00 132 6.00
453 8.50
CA partial repro, 8.50
HICKOK 1805, part-repro \$15

PARTIAL REPRODUCTIONS
BC-312-342 \$10.00
BC-603/604 (SCR-508) \$10.00
SCR-509/510 (BC-620) \$10.
SCR-608/628 (BC-683-684) \$10
CV-1982/TSC-26 \$10.00

ARRL BOOKS 1987 RADIO AMATEUR HANDBOOK, \$18.
FIRST STEPS IN RADIO, \$5.00
ANTENNA BOOK, theory and instruction on antennas, \$8.
ANTENNA COMPENDIUM, articles from QST, \$10.
SOLID-STATE DESIGN, \$12.00
THE COMPLETE DX'er, \$10.
UNDERSTANDING AMATEUR RADIO, an introduction. \$5.00 \$4.
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200 METERS AND DOWN, \$4.00

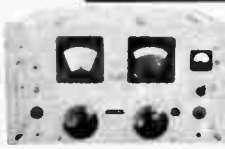
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A USERS GUIDE TO ARC CORP
RECEIVERS --by M. Tauson;
ARC-3, ARC-type 12 etc. \$4.

MAINTENANCE TM for Collins
490T-1 (CU-1658/1669), \$14.
LOW & MEDIUM FREQUENCY
SCRAPBOOK, 4th Ed. \$9.95
TI SEMICONDUCTOR MEMORY
500P (1975), 272 pp. \$1.00

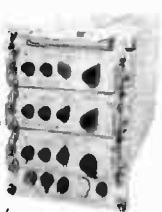
R-1511 RECEIVER



R-1511/GR HF RECEIVER, 54 to 54 MHz AM in six bands. Looks like and has the "front end" electronics of Hammarlund SP-600 but the IF and demodulation circuits are transistorized and unique to the R-1511. Has 13 PC boards including Video Channels A & B, Panoramic Amp (IF out), and Narrow Band Monitor/Metering Circuit all with separate outputs. (We measured "Narrow Band" to be 40 KHz to the phone jack!) Besides tuning controls, front panel has RF Gain, AGC On/Off, Marker Control, BFO (non-adjustable), dimmer, and 0-100 db Video Level meter. Rear jacks for PAN out, Ch A, Ch B, Wavetrap, Ch A CONV/FLT, Ch B CONV/FLT, ANT, and VFO Monitor. Might be worthwhile to modify this radio with some inexpensive ceramic 455 KHz filters; no further info. Requires 115/230 VAC 60 Hz; 10.5x19x17.5, 70 lbs sh. Used-reparable, \$150.00

HF TUNED RECEIVER

R-1440/WLR-6 HF TUNED RECEIVER, solid-state unit operating over 1.5-19.0 Mhz AM-CW on 36 crystal-controlled channels; uses three plug-in band modules with 12 channels each to cover portions of the range. Each module is fully enclosed and shielded and has 12 adjustable antenna circuits, 12 adjustable RF amp circuits, crystal oscillator (uses CR-15 crystals - not available), mixer, 455 KHz IF with Cleveite filter, detector, AGC, BFO; controls for BFO, RF Gain, AM/AGC-AM/Man-CW, Channel select. Mainframe which holds three modules, serves as 115 VAC 60 Hz power supply and audio amp; has Volume, Band select 600 ohm Audio jack. Band modules available:



Band 1 (1.5-3.5 Mhz) Band 2 (3.4-7.2 Mhz) Band 3 (7.9-19.0 Mhz). Our tests have found that the modules can be operated as independent receivers on 12 VDC input and with addition of an audio amp. Also sensitivity less than 1 microvolt and that modules may be tuned over broader range than specified band limits.

We will ship three different modules of your choice with each mainframe; please specify your second choice. \$264x16, 23 lbs sh. Used-reparable, \$150.

MANUAL for R-1440, partial repro, \$10 w/set.

30-300 MHZ RECEIVER



R-1420/URR (CEI 905A) UHF RECEIVER, covers 30 to 300 Mhz AM, FM, CW in bands 30-90 and 60-300 Mhz; bandwidth selective 20 or 300 KHz. IF 21.4 Mhz; IF reject @ 30 Mhz is 54 db, above 50 Mhz is 80 db. Sensitivity: 1 uv/4 uv (AM) and 2 uv/6 uv (FM) for bandwidths 20 KHz/300 KHz @ modulated 1 KHz. Video output 5 vrms across 10K ohm load. Meters for Tuning and Signal, separate band tuning knobs and dials, BFO, RF/IF Gain, Audio Gain, Video Gain, Cor Sens, 600 ohm audio out. Partially transistorized; has 2/6CW4, 8058, 7587 nivistor tubes. Requires 115/230 VAC 50-400 Hz; partial repro manual from microfiche included. 3x19x15, 25 lbs sh. Used-operational/not to specs \$395

COUNTERMEASURES



R-1125/R-1230 COUNTERMEASURES RECEIVER for 2-32 Mhz in bands 2-4, 4-B, 8-16, 16-32 Mhz. Designed for direction finding purposes and features frequency stability of 3 parts/10⁶ @ 50 Hz. Sensitivity 3.5 uv max input for 10 db signal + noise/noise. First IF 1625-1725 KHz, 2nd 220 KHz, and 3rd 65 KHz. Separate Megacycle and Kilocycle 3-digit mechanical tuning counters in 100 KHz increments plus VFO for continuous tune. Meters for Signal Strength and 100 KHz Tune and controls for AGC, Output Level, and Hi-Lo DF. Unit has 65 KHz output with 60 KHz bandwidth only; does not have onboard detector or audio amplifier. External 100 KHz reference signal required for tuning control. With tubes 5/5654, 5670, 3/5749, 4/5750, 6005, 13/7586 nivistors, and 13 semiconductor. Requires 175 VDC, 5 V (lights), 6.3 V (411), 18 V (req-circuit), and 115 V (100 KHz) osc) originally supplied by 0-928/FLR oscillator power supply (not available). 6.2x19x24.5, 70 lbs. Used-reparable w/repro book, \$115.00

WW-2 AIRCRAFT TX-RX

SCR-522 RECEIVER-TRANSMITTER, WW-2 vintage unit has 30 watt output over 100 to 156 Mhz range on 4 crystal controlled channels (crystals not available). 17 tubes including two 832's in P-A. External DC supply and control required listed below. 16.5x12.5x10.8, 50#. Used, \$29.95



MANUAL for SCR-522, partial repro, \$15.00

PE-94 DYNAMOTOR SUPPLY, powers SCR-522 from 28 VDC 11 A input. 12x5x8, 35#. Used \$9.95

BC-602 PUSH-BUTTON CHANNEL CONTROL, used \$6. PLUGS f/RT (3), PS (2), BC-602 (1), \$2.50 ea

VERTICAL GYRO



115 VAC 400 Hz VERTICAL GYRO ASSEMBLY with 24 VDC caging solenoid pictured with cover removed. 360 degree roll; +/-85 degree pitch. Gyro output is to be used with self-syn'type receiver indicators. 6x4x4 in sealed can; 6 lbs sh. #V6-1701-319, used, \$125 \$15.

GYROSCOPE ASSEMBLY

HONEYWELL VERTICAL GYRO ASSEMBLY #JG-7044-A17, single pitch and roll gyro with 400 Hz motors, mercury switches, etc. Gimbal freedom: ±360° (outer axis, longitudinal), ±85° (inner axis, transverse). Erection rate 2°-6° min. Also 400 Hz 1/8 motors 26 V (torque), 115 V (caging solenoid), and 115 V 21000 RPM (power motor). Pick-up pots: 30K² ohm ±168° (roll), 30K² ohm ±80° (pitch). Angular momentum: 4.75x10⁶ gm cm /sec. Unit has "line of flight" monitors for normal loft or alternate O/S. 7.5x9x6; 11 lbs. Used, \$25.00



SSB HF TRANSCEIVER

RT-594/ARC-38A AM-LSB-USB HF TRANSCEIVER, 2.0 to 25 Mhz using 20 pre-set channels with autotune channel change. Uses stabilized master oscillator which allows possible 35250 channels in frequency intervals of 500 Hz (2.0-7.25) and 1000 Hz (7.25-25.0 MHz). Transmitter output: 100 watts peak min (2-14.25 MHz) 90 W (14.25-25 MHz). Antenna tune power: 50 W. Receiver SSB sensitivity: 1.5 uv for 10 db signal + noise to noise ratio. Selectivity: 3 KHz min 6 db down, 8 KHz max 60 db. Has 25 tubes including three 6159's in PA. Requires +28, +600, +250, -50, -65 VDC and 6.3 VAC. Also 115 VAC 400 Hz for selfsyn on PA inductor. 15.5x8x23.5, 80 lbs sh (UPS in 2 pkg). Used-not checked, \$210.00



MANUAL partial repro, \$20.00

C-1398/ARC-38 CONTROL BOX, channel selection for RT-311/ARC-38 but function switch can be modified for use with RT-594; see page 24. Used, less frequency setting book, \$15.00

SETTING BOOK for C-1398/C-3428, repro, \$10.

DY-118/ARC-38 DYNAMOTOR for RT-311-594/ARC; provides all DC voltages from 28 VDC 6.6/26 amp Rx/Tx. 4.9x6.8x18.3, 25 lbs. Used, \$35.



CU-351/AR AUTOMATIC ANTENNA COUPLER, companion coupler to RT-594/ARC-38A; similar to Collins 180L3 described on page 24 except has Cannon-style control connector and type N connection instead of UHF. Usable with any 2-30 Mhz transceiver in 50-180 watt output range. Automatically resonates an antenna to transceiver's frequency and couples RF signal between the two. Coupler has 7-1000 pf 3 KV vacuum variable capacitor and 28 uH variable ribbon drive inductor. Requires 28 VDC 3 amps, 250 or 400 VDC 35 ma, and 115 VAC 400 Hz 20 VA. 10.5x7.8x11.5, 24 lbs sh. Used, \$115; Manual f/180L3, part-repro \$10.

RT-311/ARC-38, similar to RT-594/ARC-38A except not SSB; used-not checked, \$85.00

AIRCRAFT TRANSCEIVER

RT-524M AIRBORNE TRANSCEIVER mfg. by Aircraft Radio; covers 136.00 to 149.95 Mhz AM in 50 KHz crystal-controlled steps. 15 watts output. Has volume and squelch controls. Requires 24 VDC 6 amps. With tubes 8156, 2/8102, 6/6CW4, and 2/7587. Schematic included. Size: 6.5x3.5x14. 10 lbs sh. Used, no cover, \$54.95 \$40.



MANUAL for RT524M, partial repro, \$10.00

SURVEILLANCE RECEIVERS



G175F SURVEILLANCE RECEIVER, 30-260 Mhz AM-FM-CW in bands 30-90 and 60-260 Mhz; IF's 0.455-2.5-21.4 Mhz for bandwidths 10-40-300 KHz. Sensitivity 1 uv (AM), 2 uv (FM) min. @ 10 KHz bandwidth. Also controls BFO, AF-RF Gain, Squelch, CORB Sens, Fine Tune, Nivistors 13/7587, 6/6CW4, 2/7077; some transistors. Requires 115 VAC 50 Hz; 24 VDC for lights. No further info; 4x18.3x17.5, 27#. Used-operational/not to specs, \$329. \$265.

5156C RECEIVER, companion to G175F except 235-1000 Mhz AM-FM-CW in bands 235-500 and 460-1000 Mhz; 40 and 300 KHz bandwidth. Used-operational/not to specs, \$400.00

R-648/ARR-41 RECEIVER

R-648/ARR-41 RECEIVER 190-550 MHz and 1.25 Mhz AM-CW in five bands. Mechanical digital-type tuning in 1 KHz steps. 500 KHz final IF; mechanical filters 1.4 and 5.0 KHz. Controls for BFO, Sensitivity, Broad-Spectrum, and Dial Lock. With tubes 2/6CW4, 3/5749, 2/5750, 2/5814, 5654, 5686, 6A6, and 6AR5. Requires 24 VDC 4 amps; input for 28 VDC. 7.5x9x6; 11 lbs sh. Repair \$125. Checked, \$220. \$195.



MANUAL, partial repro \$15. Schematic \$2.50 Power input connector, \$3.00 w/set purchase.

COLLINS VHF RECEIVER

COLLINS 514-B VHF RECEIVER, 108 to 135.95 Mhz AM with possible 880 channels in 50 KHz steps. Compact aircraft set has selectivity of 40 KHz @ 6 db and 3 uv sensitivity for 6 db S+N:N ratio. Also 500 ohm phone jack, squelch, freq indicator, 514B-3 24 VDC solid-state power supply. Channel selection originally performed by 514U remote control which we do not stock. Tubes 6/5654, 3/5670; some transistors. 7.8x7.8x13.5, 12 lbs. Used w/schematic, \$49.95



AM-1955/GRC AMPLIFIER CONVERTER USED WITH R-1148/GRC-55 RECEIVER FOR 600-1000 Mhz BAND. 17 Mhz IF. Has 115 V 60 Hz MOTOR AS PART OF AFC SYSTEM. WITH TUBES 2C40A, 2/5842, 5654, 1N21B, 1N21WE, 150 VDC and 6.3 VAC REQUIRED. SIZE: 15x9x8; 30 LBS. SH. USED, \$300.00 \$38.

CANADIAN REMOTE STATION



CANADIAN CHANNEL CONTROL BOX, originally used as a four channel remote unit for a transmitter; looks like it might be adaptable as part of an intercom system. Has push-to-talk handset, 3/4" 600 ohm FM speaker, audio transformers 600 ohm to 8 ohm and 50 ohm to 600 ohm CT, volume control, channel selector (2-deck, 6-pole 4-position each), phone and key jacks, two pilot lights, and other parts. Heavy aluminum cast case. 15 1/2 x 13 1/2 x 6 1/2, 34 lbs. #CAN-4C-RC unused \$22.95

VFO - EXCITER - MOD

VFC-MASTER OSCILLATOR FROM THE T-195 TRANSMITTER; GENERATES FREQUENCY OF 1.5 TO 3 MHZ. HAS 5749 OSCILLATOR TUBE AND 5749 BUFFER-AMP TUBE. WITH 3/8" DIA. SHAFT. 2 1/2 x 3 1/2 x 7, WT: 5 LBS. VFC/T-195, REMOVED FROM EQUIPMENT, \$7.95



MODULATOR F/T-195, DESIGNED TO PROVIDE PROPER AUDIO POWER TO MODULATE POWER AMP AND SUPPLY SIDETONE. 300 HZ AND 3500 HZ BANDPASS. W/TUBES 5726, 2/12AT7, 5814. LESS 4X150 TUBES AND SOCKETS. 8 1/2 x 6 x 4 1/2, 6 LBS. \$10.95



TRANSISTORIZED GUARD RECEIVER / modified RT-178/ARC-27; one channel in 238-248 Mhz range. IF's 25.1/3.45 Mhz; has detector, noise limiter, AVC, 4/2N1745 transistors, and 25.1 Mhz filter. 8 x 4 1/2 x 4, 6 lbs sh. #5821-953-9695 used \$12.95

AM-777 AMPLIFIER DETECTOR, p/o RT-128A/ARC-21

2-24 Mhz transceiver; IF's 1800/300 Khz. Slug tuned; w/tubes 4/5836, 3/5896 3/5899, 3/6021, 5840, 5902, and 5719. Schematic included. 13 1/2 x 23 1/2, 5 lbs. Used, \$10.00

HYDROGEN GENERATOR

M315B HYDROGEN GENERATOR, used to provide hydrogen for 4' balloon p/o CRT-3 Gibson Girl rescue radio. Has 1200 grams of calcium hydride crystals in long can which, when immersed in water, produces hydrogen gas. (EXTREME CAUTION must be exercised in the performance of this process because hydrogen gas is dangerously flammable and the liquid calcium by-product is very caustic!) The M315B cans are dented; suitable only for the recovery of calcium hydride. 11.6" x 4.3" dia, 4 lbs sh. Unused-dented, \$6.95 ea; 2/\$12.00 INFLATION TUBES for M315B, \$3.00 ea



TRANSISTOR RADIOSONDE

TRANSISTORIZED RADIOSONDE WITH CLOCKWORK TIMING MECHANISM (NO KEY); USED IN METEOROLOGICAL OBSERVATION OR SIMILAR APPLICATIONS REQUIRING LONG RANGE WEIGHT TRANSMITTER. UTILIZES A 2-TRANSISTOR MODULATOR AND A 2-TRANSISTOR TRANSMITTER CIRCUIT. TRANSMITTER HAS 15.3 ANGLE CAVITY TUBE WHICH FUNCTIONS AS THE TUNED CIRCUIT FOR THE OUTPUT. 1680-1700 MHZ, 575 MW (NO FURTHER DATA). WITH HUMIDITY ELEMENT. TRANSMITTER SIZE: 2 1/2" DIA. x 6"; OVERALL SIZE: 7 1/2" x 4 x 5 1/2. 4 lbs sh. FRIEZ #3002, unused 99-95 \$6.95



AN/AMT-4A RADIOSONDE, consist of T-304A transmitter and MD-147C modulator; unit is similar to Friez 3002 except uses tubes 5794 and 5875 and operates at 1680 Mhz. Requires 1.5, 6, & 15 VDC. 2 lbs sh wt. #T-304A transmitter only, \$4.95; 2/\$8. MD-147C modulator only less humidity and pressure elements, \$3.00; 2/\$5. **T-69E/AMT-2 RADIOSONDE TRANSMITTER** only, 590-410 Mhz; 5703, 5910 tubes--\$2. BB208 battery, \$2.

TELE CASTER I

TELE CASTER I TELEPHONE METER, cost-effective device for the individual or business who wants to keep "tabs" on the length and costs of long-distance and, perhaps soon, local telephone calls. Initial and secondary rates/period are programmable using the numeric plus 6-function keyboard. LED display shows cost/period plus elapsed time hr-min-sec. Also display flashes 15 sec before rate change and has X60 speed-up time so maximum acceptable charges could be determined before the call. In sturdy, handsome beige plastic case. Requires 115 VAC 60 Hz; 2 lbs. NEW w/info \$8.



TAIL LIGHT ASSEMBLY

TAIL LIGHT ASSEMBLY with red tail/brake light and back-up light; also license plate bracket and one each 6E1156 and 1157 bulbs. 13x6.5x3.5; 3 lbs sh. Peterson #M418LBL. NEW, \$6.95 ea; 2/\$12.00



OFFICE CASTER SET

OFFICE EQUIPMENT-STYLE CASTER SET, includes four 2.3" dia dual-wheeled black plastic casters with 3/8" dia threaded 1/2" long metal shaft. Two of the casters have a brake lever. Designed for copy machines but usable for similar weight equipment where "good looks" is a consideration. With hardware and instructions; 2 lbs sh. #73S1234, NEW, \$7.50



VASCAR II SPEED TRAP



VASCAR II DISTANCE/TIME COMPUTER-INDICATOR originally used by police agencies for clocking speed of vehicles while the police car was in motion or stopped. Speed of unknown vehicle determined by referencing a pre-measured distance or the distance can be set while both vehicles are moving. VASCAR can determine speed of vehicle in front of, behind, in opposite direction of, or across the path of the police car. Displays average speed in tenths of miles per hour upto 199.9 MPH. Computer module consists of four circuit boards with 5 VDC logic and transistors. Operates from 12 VDC 3.4 amps. Includes computer module, control/indicator module with cable and plug, power plug, and manuals. "AS-1S" transducer is now included. 2.5x13.5 x 7.3, 18 lbs sh. Used-not calibrated, \$60.00

VASCAR II DISTANCE/TIME COMPUTER-INDICATOR originally used by police agencies for clocking speed of vehicles while the police car was in motion or stopped. Speed of unknown vehicle determined by referencing a pre-measured distance or the distance can be set while both vehicles are moving. VASCAR can determine speed of vehicle in front of, behind, in opposite direction of, or across the path of the police car. Displays average speed in tenths of miles per hour upto 199.9 MPH. Computer module consists of four circuit boards with 5 VDC logic and transistors. Operates from 12 VDC 3.4 amps. Includes computer module, control/indicator module with cable and plug, power plug, and manuals. "AS-1S" transducer is now included. 2.5x13.5 x 7.3, 18 lbs sh. Used-not calibrated, \$60.00

X-RAY CONTROL

RITTER X-RAY CONTROL PANEL, interesting experimenter item; has 0-120 VAC 2.4 amp Staco variable xfomer, 20-pole Impulse/Seconds switch, 1.8x0.8" edge-meter, SC110 120 VAC Sonalert, 7 A circuit breaker & ON-OFF rocker switch. 12.3x12.3x3.3, 7 lbs. #R-XR-CP, NEW, \$17.95 #NVR-XR-CP above X-RAY control less the variable transformer; 4 lbs sh. \$4.95



GRAB BOX ASSORTMENT OF USED AND UNUSED MANUFACTURERS AND GOVERNMENT SURPLUS ELECTROMIC PARTS SUCH AS ASSEMBLIES, MOTORS, COILS, TRANSFORMERS, CHOKES, CIRCUIT BOARDS, CAPACITORS, RESISTORS, AND OTHER USABLE ITEMS. PACKED IN 50 LBS. CARTONS. \$7.50 EA. OR TWO CARTONS FOR \$13.00.

Shipped via UPS with freight charges varying from \$6 to \$24 per carton. Allow for charges. **GRAB BOX IS GOOD FILLER TO TAKE ADVANTAGE OF MOTOR FREIGHT 150 LBS. MINIMUM WEIGHT RATES.**

PDR-27 RADIAC SET

AN/PDR-27 PORTABLE RADIATION DETECTOR consisting of IM-74 radiac meter and DT-53 or similar detector or probe with BS-1 Geiger-Mueller tube. Meter indicates amount of beta and gamma radiation in milliroentgens per hour. Range scale 0.5, 5, 50, and 500 M-rtngs/hour. BNC connection for headset monitoring. Requires 135, 22.5, and 1.5 VDC originally supplied by batteries (not available). 8x6 x 12.5; 15 lbs sh. Used, \$29.95 **MANUAL** for PDR-27, original, \$5.00 **SPARE GM TUBES**, BS-2, \$6.00 **TRANSIT CASE** for PDR-27, \$6 w/set purchase. **H-43 HEADSET** for PDR-27, \$5.95



HY-GAIN CB BOARD

HY-GAIN CB TRANSCEIVER BOARD; 7 x tals, IF transformers, PF coils. Similar to Hy-Gain boards converted to 10 meters (73 Mag, 2/84) and 4 M (73, 2/85); no further info. 5.4x6, 2 lbs. Unused AS-IS \$3.95 2/\$7



INDUSTRIAL RINSE / DRY

FLUOROCARBON RD4500 RINSE/DRYER, designed for semiconductor industry; capacity for 100 4" wafers. Insert for wafers easily removed leaving 16.5" dia x 7" D stainless-steel drum w/ 2" dia drain adaptable for your own projects. Separate 3/8" O.D. lines for water and nitrogen (or air); N2 line has quartz heater to raise gas temperature 180 C. RedHat valves pass 20-40 PSI 2 GPH water and 30-40 PSI 6 SCFH N2. Drum rotated by Gould 1/4 HP DC motor with adjustable rinse times 0-450 (rinse) and 0-1850 RPM (dry); 16.8" mount depth. Model 3798 timer has two 0-6 minute ATC timers and AC to DC motor control. Model 287C box controls Start-Stop functions plus has 0-20 x 100 RPM meter and Sonalert. Book and cables included; requires 115 VAC 50/60 Hz. 120 lbs (95 lbs without insert); UPS in 2 pkgs. Used, \$115.



WEBCOR RECORDER



WEBCOR TAPE RECORDER plays and records 3-3/4 or 7-1/2 ips on upto 7" dia reels; has fast forward/rewind, edit lever, footage counter, and 20-0-20 record level meter. Built-in speaker; jacks for mic, bridge and external speaker. Monaural use only; 100-10000 Hz response @ 7-1/2 ips. 500K mic impedance; tubes 12AU7, 12AX7, 6X4, 6BQ5, 6HU6, 7025. Requires 115 VAC 60 Hz. 13.5x12.3x7. 32 lbs. Used-checked for basic playback/record; may need further adjustment. Without mic & reels. #WEB-173B \$35. MIC \$6. MANUAL-partial \$8.50

ANTI-JAMMING TRAINERS

AN/ULT-T2 (15X12) X-BAND INTERFERENCE TRAINER, a low power transmitter in the 8500-9600 Mhz range designed to train radar operators in anti-jamming techniques. Unit can be manually tuned and modulated by a sine or square wave, pulse, noise, or modulation from an external source. Has controls for CW, 5-16 Mhz/sec sweep, 250-500-1100 Mhz sweep sector, percent modulation, and pulse width 1-5 usec. Frequency modulation 15 Hz-15 Khz variable and fixed 50 or 100 Khz. Audio output impedance 600 ohms. Designed to be used within 50 feet of radar. Uses 2K45 klystron. Requires 115 VAC 50-400 Hz; w/ antenna horn. 13.8x19.8x19.8, 85 lbs sh wt. Used-complete, \$65.00

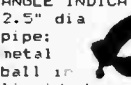


Control Boxes Filters Indicators Tuning Units Amplifiers


ALARM BELL
OPERATES FROM
24 VOLT D.C.
SIZE: 4 1/2" x 4 1/2" x 2 1/2"
WT: 1 LB #561-3
NEW \$1.95




ANGLE INDICATOR, clamps to
2.5" dia
Pipe;
metal
ball in
liquid shows 0-60° tilt on 4"
curved scale. #AL-060 NEW \$4




**RF CHASSIS f/
Bendix RA-18C**
108-136 Mhz
receiver; 7-
gang capacitor
tunes ant-coil
RF grid, RF
plate, mixer grid, 1st oco-
quadrupler, 1st oco-amp, &
cathode follower input.
Tubes 2/5654, 5670, 5725;
requires 6.3-12.6-108-250
VDC. 3 1/2" x 3 1/2" x 1 1/2", 5 lbs. w/
schem. #RF100-RA18 NEW \$10.




TX MONITOR
CARRIER MONI-
TOR, provided
DC and audio
currents for
remote check
of xmitter
operation. Units
LESS 3 pf 15 KV
vacuum capacitors but still
good parts value including
600 VCT 35 ma transformer;
tubes OA2, 6AL5, 6J6, 6X4;
600:600 ohm AF transformer,
DPDT & SPST toggle switches
two 49 pf air trimmer caps,
etc. 6x8.5x6.3, 12 lbs sh.
#CAR-MON-87, unused, \$5.95



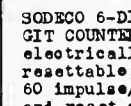
**LS-230 INTERCOMM
UNICATION STATION
CONTROL BX**
CONTAINS 3 ROT
ARY 3 POSITION
LEVER CONT. SW
| LEVER SW. DP
DT CENTER OFF,
| LEVER SW. SPST | SIDE,
OTHERSIDE SPST MOM. & CENTE
OFF. 3 LITE IND. PHONE &
MIKE JACK & 1 MIN. TRANSFER
50 TO 500 OHM. SIZE: 7 1/2" x 2 1/2"
WT: 3 LBS. PRICE: \$5.95




**FIRE CHEX AUTO
SHUTDOWN DEVICE**
automatically
disconnects a
vehicle's elec-
trical system
in a collision.
Also use of its 80" spline
control allows Fire Chex to
manually "shutdown" elec-
trical systems making it
more difficult for a thief to
steal a vehicle. With
spline, fused line, mount
brackets, info. 4.5x4.5x1.8
6 lbs. #FI-CHX, NEW \$5.95



**SODECO 6-DIGIT
COUNTER**
electrically
resettable;
60 impulse/sec count coil
and reset coil both 24 V
DC 83 ohms. 1-7/8x1 1/2
x 1/2; #RG266, NEW, \$8.95



**RIGHT ANGLE
DRIVE vernier
control, 1 1/2"
dia. dial, w/
lock & coup-
ling f/1/2" shf**
3-hole mtg. #TU-LORA, \$2.



ARC-5 BOXES



**BC-450 RECEIVER CONTROL f/
tuning upto 3 receivers.**
W/dials 190-550 KHz, 3-6
Mhz, & 6-9.1 Mhz; CW-off
-MCW switches, volume con-
trols, and phone jacks.
#1 1/2" x 3 1/2", 3 lbs. Unused \$8.

**BC-496 DUAL RECEIVER CON-
TROL for SCR-274/ARC-5 re-
ceivers; tuning dials for**
3-6 and 6-9.1 MC, volume,
etc. 2 lbs sh. Unused \$7.95

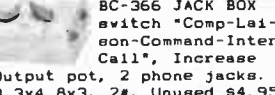
BC-451 TRANSMITTER CONTROL,
for one to four Command
xmitters; built-in key,
mode, mic jack. Unused \$5.

AUDIO FILTER

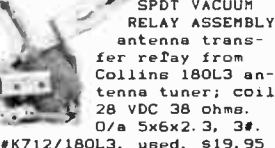


F-90 AUDIO FILTER, reduces
interference in CW and audio
signals for receivers.
Provides sharp null at
approx 1020 Hz in voice
mode while frequencies near
1020 Hz are passed in
"range" mode. Response can
be broadened by placing
variable resistor from in-
put to output. 5.8x2.5x3.8
3 lbs sh. Used, \$3.95
CONNECTOR for F-90, \$2.50

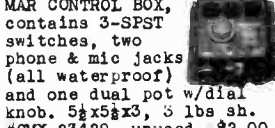
BC-366 JACK BOX
switch "Comp-Lai-
son-Command-Inter-
Call". Increase
Output pot, 2 phone jacks.
3.3x4.8x3, 2#. Unused \$4.95



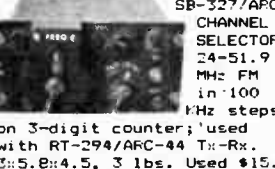
**SPDT VACUUM
RELAY ASSEMBLY**
antenna trans-
fer relay from
Collins 180L3 an-
tenna tuner; coil
28 VDC 38 ohms.
0/a 5x6x2.3, 3#.
#K712/180L3, used, \$19.95



MAR CONTROL BOX,
contains 3-SPST
switches, two
phone & mic jacks
(all waterproof)
and one dual pot w/dial
knob. 5 1/2" x 3 1/2", 3 lbs sh.
#CMX-23429, unused, \$2.00



**SB-327/APC
CHANNEL
SELECTOR**
24-51.9
MHz FM
in 100
KHz steps
on 3-digit counter; used
with RT-294/ARC-44 TX-RX.
3x5.8x4.5, 3 lbs. Used \$15.



3A-474/AR SWITCH BOX has
mini-toggles 4/DPDT, 1/DPST
and 2 pilot lights w/327
lamps. 2 1/2" x 1 1/2" x 2 1/2". Unused \$6.


**SB-328/AR CHAN-
NEL SELECTOR**
for ARC-45;
12-pos chan-
nel select,
tone, volume, 2-pilot light
w/327 lamps. 2 1/2" x 5 1/2" x 4 1/2", 2
lbs. Unused \$10. Used \$6.

SB-329/AR SIGNAL DISTRIBUTION
BOX, p/o ARC-44; WRITE

**-A REAL BONANZA
HAS MANY ITEMS
YOU CAN USE: 1 1/2"**
"tune to max"
300 ua meter;
4-band bandswitc
& dial assy; 5-
position rotary
sw with 1-pos mo-
mentary; spin
crank for tuning with 10-
turn pot; volume control
w/3-gangs; five 327 lamps;
Loop switch (L or R momen-
tary); SPST toggle sw; oth-
er parts. Originally tuned
RI01/ARN-6 (p 4). May have
broken wafer switch; 6 lbs.
#C423/ARN-6 used \$4; 2/37.



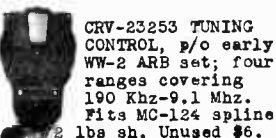
AIRCRAFT FUEL FLOW GAUGES
1.5" dia type 6007; 26 V
400 Hz for autosyn; unused:
ECLIPSE-PIONEER #51E-36B.
1 to 10 lbs/HR x 100, \$22.
BENDIX #38B-7-B, 1 to 20
lbs/HR x 100, \$25.00



**RM-52 Remote
Control** used
for radio
and intercom
set. Has
transformer,
mic & phone jacks. Source
for Phone Patch project.
7 1/2" x 3 1/2" x 5, 5 lbs. Used, \$4.

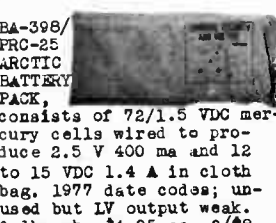
•MAKE
•MACY'S
•PHONE
•PATCH

**CRV-23253 TUNING
CONTROL**, p/o early
WW-2 ARB set; four
ranges covering
190 KHz-9.1 Mhz.
Fits MC-124 spline
2 lbs sh. Unused \$6.

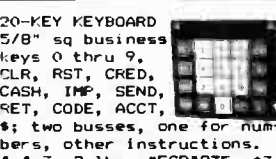


VIBRATORS
VIBRATORS, removed f/equip:
V8-8, -9, -12 or -13 \$3 ea.
3H6690-15 6 V 1/PP-109, \$6.
3H6690-16 24 V 1/PP-112 \$3.
M15035 24 V for AM-598, \$3.
6 VOLT 6-PIN vibrators for
PP-308, #VIB/PP308-6, \$4.
PP-68, #VIB/PP-66, \$4.
KSS566, 12 V 4-pin, \$3.

**BA-398/
PRC-25
ARCTIC
BATTERY
PACK,**
consists of 72/1.5 VDC mer-
cury cells wired to pro-
duce 2.5 V 400 ma and 12
to 15 VDC 1.4 A in cloth
bag. 1977 date codes; un-
used but LV output weak.
6 lbs sh. \$4.95 ea 2/48.



20-KEY KEYBOARD
5/8" sq business
keys 0 thru 9,
CLR, RST, CRED,
CASH, IMP, SEND,
RET, CODE, ACCT,
\$; two buses, one for num-
bers; other instructions.
4x4.3, 2 lbs. #ECR4835, \$3.




**RUBBER SHOCK
MOUNTING**


4 lbs	#4	\$4.45
6 "	#6	5.50
12 "	#12	6.65
16 "	#16	7.75
24 "	#24	1.00
35 "	#35	1.25

OTHER WEIGHTS AVAILABLE.

M-399 ADAPTER
M-399 ALIEN-
MENT ADAPTER
for BC-659
transceiver;
allows the
changing of
crystals as well as the
alignment of the set with-
out the use of an external
meter. Mounts inside the
BC-659. 2 lbs. \$5.00
M-394 ADAPTER f/BC-620, \$5.



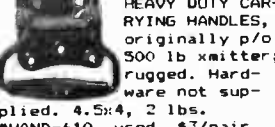
**ART-13 CRYSTAL
CALIBRATOR**, pro-
vides 50 KHz
fundamental
using 200 KHz
crystal. Al-
so 1000 Hz
tone for MCW
operation. Tubes
2/12SL7, 12SA7. 6x5x3, 4
lbs. #XCAL-ART13, \$12.



AUTOTUNE HEAD from ART-13,
Control B multi-turn 0-100
dial. #23518, unused, \$2.95

CDA-T CRYSTAL OSCILLATOR,
converts 4 xtal-controlled
channels to 200-500 KHz
range; less xtals, \$12.95

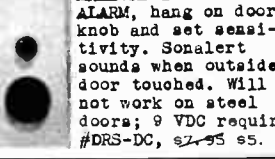
**HEAVY DUTY CAR-
RYING HANDLES,**
originally p/o
500 lb xmitter;
rugged. Hard-
wearing not sup-
plied. 4.5x4, 2 lbs.
#HAND-610, used, \$3/pair



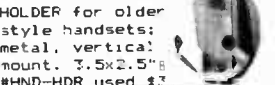
**MALLORY
SONALER**
4 to 28 VDC, 2900 Hz cont.,
64-78 db. Snap-look fit in-
to 1.063" dia hole; 1 1/2" x 5/8"
dia. #SNP-428, \$2.95 \$3.50



**MALLORY INTRUSION
ALARM**, hang on door
knob and set sensi-
tivity. Sonalert
sounds when outside
door touched. Will
not work on steel
doors; 9 VDC require
#DRS-DC, \$2.95 \$5.



**TELEPHONE HANDSET
HOLDER** for older
style handsets;
metal, vertical
mount. 7.5x2.5x3
#HND-HDR used \$3



RECHARGEABLE
GATES 12 VDC
CYCLON BATTERY
PACKS, six 2 V
rechargeable
lead cells
per plastic
container
package. Re-
moved from equip; Checked:
#0810-0016, 2.5 AH; 8.3x2.7
x1.4, 3 lbs. \$7 ea; 2/912.
#0800-0080, 5 AH; 5.4x3.1
x3.6, 6 lbs. \$14 ea; 2/925
#0800-0016, like #0800-0080
but without case. \$12.00

2 V 5 AH CELLS only from a-
bove; 1#. #2V5A-CL, \$2.50

NICAD SUB-"C" CELLS, 2.5 V
800 ma per pair; each 1-1/8
x1" dia. #NC-SC-PR \$2.50/pr

BA-316/AM WATER-ACTIVATED
BATTERY, 7.5 V and 114 V;
5.5x3.3x3.8, 1#. \$1.00

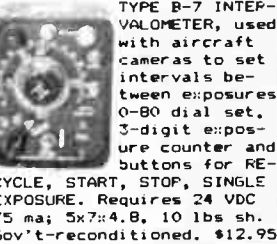
COCKPIT LAMP
AIRCRAFT COCKPIT
EXTENSION LAMP
Type B-7; black
plastic lamp on
5.5 ft spring
retractable cord
and uses stand-
ard 2-contact
auto bulb. Has
dimmer & ON-OFF
switch; 2 lbs. Unused \$6.95




DISCONNECT KIT
HAF-COF's QUICK
DISCONNECT KIT.
easy hook-up of
accessory power
leads; includes
mated pair two-
conductor con-
nectors & four
3M #558 crimp
connectors f/#18-#22 wire.
NEW \$1.25/kit. 5/56.00



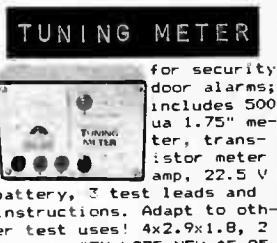
**TYPE B-7 INTER-
VALOMETER**, used
with aircraft
cameras to set
intervals be-
tween exposures.
0-80 dial set,
3-digit ex-
posure counter and
buttons for RE-
CYCLE, START, STOP, SINGLE
EXPOSURE. Requires 24 VDC
75 ma; 5x7x4.8, 10 lbs sh.
Gov't-reconditioned. \$12.95



**FAIRCHILD
SHUTTER**
as used
in 12" FL
aircraft
cameras;
70 mm dia
shutter
has keyed
shaft for
motor but can be tripped
manually. 132 mm dia lens
ring; o/a 9.3" dia, 9 lbs.
#SH-12EFL, \$14.95



TUNING METER
for security
door alarms;
includes 500
ua 1.75" m-
eter, trans-
istor meter
amp, 22.5 V
battery, 3 test leads and
instructions. Adapt to oth-
er test uses! 4x2.9x1.8, 2
lbs sh. #TM-LC75 NEW \$5.95

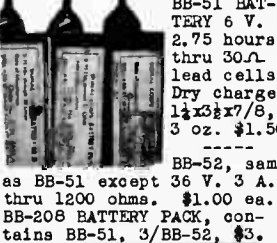


8 OHM SPEAKER
LS-445 4" SPEAKER
ruggedized 8 ohm
2 watt PM type;
300-7000 Hz re-
sponse. P/o LS-
166 loudspeaker;
3 lbs. Used \$7.95



BB-51 BATTERY 6 V.
2.75 hours
thru 30A
lead cells.
Dry charge.
1 1/2" x 3 1/2" x 7/8,
3 oz. \$1.50

BB-52, same
as BB-51 except 36 V. 5 A.
thru 1200 ohms. \$1.00 ea.
BB-208 BATTERY PACK, con-
tains BB-51, 3/BB-52, \$3.



PUSH-TO-TEST



PUSH TO TEST INDICATORS WITH MARKINGS ALSO HAVE CLEAR & AMBER LENSES

KORRY MFG., ALL UNUSED.
KORRY 260 PUSH-TO-TEST INDICATORS, DOUBLE LAMPHOLDER WITH MINIATURE BAYONET BASES. 1 1/2"x1 1/2"x2 1/2". NEW. CHOOSE FROM THESE LENS INSCRIPTIONS:

POWER SUPPLIES, 28 VDC. \$1 EA, 3/32

KORRY 260 indicators with rocket launch-related inscriptions: UNLOCK, TESTING COMPONENTS TEST POWER ON, HEATER 1-2-3, CENTER, LN OVERFLOW, IGNITER LINKS LN UPPER LEVEL, 100% LIQ OXY, LIQ OXYGEN FINE, FUEL TANK PRESSURIZED, COOLANT FILL, 40 C THERMO-STAT, NOSE CONE BATTERIES LOX THROT VALVE HEATER. Price: 75¢ ea or 4 for \$2.

ASSORTMENT OF ROCKET LAUNCH INDICATORS, NO CHOICE, 6/32

KORRY 136 PUSH-TO-TEST INDICATORS, SINGLE LAMPHOLDER WITH MINIATURE BAYONET BASE 1 1/2"x1 1/2"x2 1/2". INSCRIPTIONS:

LOW: MALF. 65¢ 2/\$1.

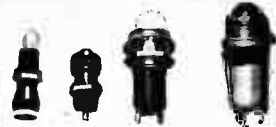
KORRY 103 INDICATOR, PUSH-ON RED PLASTIC CAP; PLASTIC BODY. 5/8" SINGLE HOLE MOUNT. #5167, 50¢ EA. 3/31.

LAMP HOLDERS FOR 327 LAMPS 3/8" HOLE MTG. FLAT TOP LENSE 3/8 DEEP, WHITE LENS NUMBERED 1 TO 9, YELLOW ("MAX"). SPECIFY.

#6210-617-0934, 39¢ EA. #327 LAMP FOR ABOVE, 39¢

TINY 28 V NEON INDICATORS, 1-3/8" long x 3/8" dia; NEW #3495 clear lens w/"B" 3/31 #3496 "w"/"7" 3/31

OBLONG SLIP IN TYPE NEON 1/2x1-3/8" 125v. #3100 USED ALL ABOVE 3 FOR \$1.00



SUB-MINIATURE NEON PILOT LIGHT ASSEMBLY. FLUTED 5/16" DIA. CLEAR JEWEL. BASE IS FEMALE PART FOR A THREE PRONG PLUG WITH 1/16" DIA. HOLES IN ISOSCELES TRIANGLE PATTERN. MOUNTS IN 3/8" HOLE. 0" to 3/8" SURFACE CLEARANCE. 1 3/8" LONG. INCLUDES BULB. USED. 110v. PIL007 \$.25 5/\$1.00

SUB-MINI DIMMER LIGHT with green jewel; T1-3/4 single contact bulb required. 1-3/8" lg; mount in 7/16" dia hole. #5221/0673, \$.65

PILOT LIGHT for single contact mini-bayonet bulb. Clear smooth stovepipe 5/8" dia jewel; o/a 2-1/8" long. Less bulb. #PIL008, \$.50

PILOT LIGHT similar to #PIL008 except 1/2" dia smooth red jewel (not "stovepipe") #86-1179, \$.50

LARGE DIMMER PILOT LIGHT for double contact candelabra bayonet bulb; 1" dia white smooth white jewel. O/a 3" long; fits in 1" dia hole. #504-1632, new, \$.75

PILOT LIGHT for single contact candelabra bayonet bulb; 1" dia red-faceted jewel. O/a 2-3/4" lg; for 1" dia hole. #PIL003, \$.59

PILOT LIGHT for single contact mini-bayonet bulb; 1/2" dia bulb. 2" lg; mounts in 5/8" dia hole. #PIL004 \$.50

PILOT LIGHT JEWELS, 1/2" dia for 1/2" dia threaded assy. Ass't colors. Series-F 6/31

WHITE SWITCHBOARD JEWELS, 3/8" dia. #4C1971, 10/31.

PHELPS-DODGE MAGNET WIRE, 31 AWG on 9 to 10 lbs spools; approx 20000 ft/spool. #PD-MW-31, \$2.40 per lb X spool wt.

ESSEK 37 AWG MAGNET WIRE, 2 lbs/spool; approx 3K ft. #E1211FQ, NEW, \$10.95 \$8.50

LIGHT INDICATOR FUSEHOLDERS f/3AG fuses; 1.6"D behind panel. O/a 2.9"; used: #FU-HXK, 22-33 V amber, \$2. #FU-HKL, 90-250 V clear \$1.

INDUCTORS

FERRITE POT CORE INDUCTORS, PC mount; 7/8x1/2" dia. NEW. 123-177 mH, #NV243, \$1.50 600 mH, #404-3-2, \$1.50

TELEPHONE PICK UP COIL used in modern data coupler; no specs. 5/8x1 1/2" dia #403-4 \$1

COMMAND XMITTER ANTENNA COIL for 5.3-9.1 MHz range. 24 turns wire around 2" dia X 3" ceramic form; with mount brackets but no contacts. #603EMB \$6.

CERAMIC COIL FORM, f/ART-13 xmitter; grooved f/43 turns #14 wire. Vertical mtg. 5"Lx 2.5x2. #L113/ART13, \$2.00

***** EC-348Q RECEIVER IF COILS 2nd IF 9A1953 #148 3.00

100 W LO-PASS

100 WATT LOW PASS FILTER for commercial transceivers; sharp cut-off approx 40 MHz; 5.5x2x1.3 aluminum box with two SO-239. #LPP-40M. \$5.95

COLLINS FILTER

COLLINS #F250 A85 (526-9049-009), for RT-311/ARC-38. 3.5x1x0.9; NEW, \$14.95 #F300-25 (526-9311-000); 3.5x0.8" dia. Used, \$7.50



COLLINS CHANNEL MODEM CIRCUIT BOARDS each with two 6"x1" dia mechanical filters plus other parts such as transformers, chokes, etc. 9.5x6. 2#. Used: #522-5247 w/two F84-28 (526-5249) filters, \$6.95 #522-5252 w/two F64-28 (526-9454) filters, \$7.95

FLUTED KNOBS



TGS SPIN KNOB & CRANK, 1-5/8" dia fluted knob w/ 7/8" crank extension; 1/2" high handle. \$1.50

LUXITROL KNOB, 2-3/8" dia. w/pointer; fits 3/8" dia. shaft, \$1.50

ARMY SPIN KNOB, retractable crank f/beveled top-screw shaft. 1.5" dia; for RT-70 or GRC-106. #2313, NEW, \$5.

ALCO KNOBS



ALCO KNOBS, high quality, modern fluted knobs with brushed aluminum inset; fit 1/4" dia shaft. NEW:

#AL-KN20, 2" dia x 0.8"H \$1.50 #AL-KN8P, 0.8" dia x 0.5" H; pointer, f/alot shaft \$1.45 #AL-KN6, 0.6" dia x 0.4"H for 3/16" shaft, 4/31.00

AUDIO KNOB SET five aluminum 0.7" dia x 0.8"H ribbed knobs f/ 1/4" slot shaft #KT-7100, NEW, \$2.50/set

DUAL CONTROL KNOB SET, lower 0.7" dia x 0.7"H section takes 1/4" dia shaft; upper 0.7" dia x 0.7"H knob takes 3/16" shaft. #DC-KN-ST, NEW \$1.25 #KN757, Single knob matches DC-KN-ST; 0.7" dia x 3/4"H for 1/4 shaft. used. 2/\$1.

SPIN KNOBS

1" DIA. METAL FLUTED SPIN KNOB FOR 5/32" SHAFT. #KNBC09 \$1.79

2 1/2" DIA. SPIN KNOB. METAL. TAKES 3/16" SHAFT. #8089 NEW \$2.00

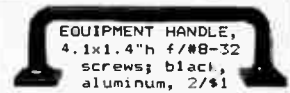
MAKE ANY FLAT KNOB A SPIN 1 1/2" ADAPTER WITH 3 HOLES, TO FASTEN TO YOUR KNOB, WITH SPIN GRIPPER #225816-3 \$1.00

1-5/8" DIA. METAL SPIN KNOB F/ 1/2" SHAFT. URC #KN02, \$1.50

1 1/2" DIA. FLUTED KNOB W/ 1 1/2" SKIRT; BRASS INSERT FOR 3/8" SHAFT. URC #KN04, \$1.50

1-5/8" DIA. FLUTED KNOB W/ 2" SKIRT; BRASS INSERT FOR 3/8" SHAFT. URC #KN03, \$1.75

Brown 1" dia x 1 1/2" high knob for 1/2" shaft. #KNB025, 2/25¢



EQUIPMENT HANDLE, 4.1x1.4" h f/#8-32 screws; black, aluminum, 2/31

MATCHED KNOBS, rounded edge w/4 sets of 4 hash rings. Looks like old Hammarlund. #B5168 2 1/2" \$3 #B570 1 1/2" \$2

HALLICRAFTERS with big 1 1/2" dia; arrow & grip bar. #H81014 new \$1.50

BAR TYPE KNOBS

BAR TYPE BAKELITE KNOB FOR 1/2" SHAFT. 1 1/2"x1 1/2"x5/8". SET SCREW TYPE. #KNB012 \$.25

GRC KNOBS f/Army radio sets fit beveled top screw shaft OD green; 7/8" dia skirts: #KN-GRC-10, 1"L grip, \$1.50 #KN-GRC-14, 1.4" grip \$1.75

RECTANGULAR BAR TYPE BAKELITE KNOB 1 1/2"x1 1/2"x5/8". WITH BRASS INSERT FOR 1/2" SHAFT. SET SCREW TYPE. #KNB014 \$.25

Pointer knob with brass insert for 1/2" shaft; 1 1/2"x1 1/2". #KNBQ26 25¢ ea

Bartype bakelite knob with pointer. For 1/8" shaft; vertical set screw. 1 1/2"x5/8"x3/8". #KNB016 4/\$1.00

Rounded bar style knob, 1-1/8" long x 1/2" across x 1 1/16" H. Brass insert f/ 1/2" dia sh. #KNART13 3/31.

1" dia. x 1 1/16" high knob, Ribbed shaft; Insert recessed 1/2" from base for flush fit. #KNB279, 30¢ ea.

1-5/8" dia plastic knob with 2 1/2" dia aluminum skirt calibrated 0 to 10. Brass insert for 1/2" dia shaft. #9414 NEW \$1.50 ea

1" dia plastic knob with 1 1/2" dia skirt calibrated alphabetically A-B-C, X-Z. Aluminum skirt; f/ 1/2" shaft. #5312 NEW \$1.50 ea

EQUIPMENT HANDLES brushed aluminum 5/8"W flat top. 2"Hx5.3"L; B-32 tapped. Amatom mfg.; #ALH-5-2, NEW, \$3 per pair.

FLUTED 2-3/8" dia knob with 3" dia skirt; brass insert for 3/8" dia shaft; black. #KNB-863233, \$2.00

FLUTED 1-1/2" dia knob with 2" dia skirt; brass insert for 1/4" dia shaft; black. #KNB-862152, \$1.00

2" TUNING KNOB black w/chrome-finish trim. Metal insert f/ 1/2" d shaft. #ROB-B/C \$1.25

MINIATURE LAMPS

STK #	TYPE	V.	BASE	BULB EA	Per 10
#14	flashlight	2.47	.3 cand sc	G-3 1/2	\$2.00
#382		14	.08 min flanged	T-1 1/2	2.50
#327	grain of wheat	28	v 0.04 a	T-1 1/2	3.00
#511		2	.25 min sc	G-6	1.00
1004	auto type	12	.94 DC bay	B-6	1.50
NE-48/991	neon	115	.25 DC bay	T-4 1/2	12.00
NE-51	neon	115	.25 min bay	T-3 1/2	1.40
#24-68M		24	.68 DC bay	B-6	1.50

SEALED BEAM

MARINE TYPE 600 WATT 28 VOLT GE Q600 PAR 56/1 SCREW TERMINALS PRICE: \$6.00 EA. WRITE FOR 100 LOT PRICE.

GRIMES LAMP ASSY. #4725-24 WITH 327 GRAIN/WHEAT BULB. 6220-333-5827 59¢ EA. 2 FOR \$1



LINE FILTERS

RF LINE FILTERS unused. ***** SIEMENS #B84104K, 3 amp 115/230 VAC 60 Hz; plug & lead connect. 1 1/2"x2 1/2", 1 lb. \$1.

#410-3, 2x5 amps 125/250 VAC 50-400 Hz; four solder terminals. 2x2 1/2"x1 1/2", 1 lb. \$1.25 ea. #NF-10869-208, 2 x 10 amp 250 VAC 50/60 Hz; 2.3x3.9x2, 1 lb. "Spike" protector! \$2.95 Cornell-Dubilier #NF10342-2, 190 amps 50 VDC; lug terminals. 4.8x3.5x3, 4 lbs sh; \$8.95 #537-6615, 55 amps 30 VDC; two stud terminals. 2 1/2"x5x2, 3 lbs sh wt. \$2.95

HORN

FARADAY 48 VDC 100 ma HORN, made for Bell Telephone; makes loud, penetrating sound w/screw-driver volume adjust. Steel construction; recess mount. Front size 4x4x1.25; 1.25" panel depth. 7 lbs sh. #FS-12037L2, NEW, \$5.95



SPRAGUE JN17-495082 4x70 AMP 277/480 VAC. 4x4x4.75 plus lug length; 5 lbs sh. \$12.95 \$10.00

CORCOM #F2609 2x20 amp 115/230 VAC 50-60 Hz; 5"Lx1.5"Hx4"W, 2 lbs. NEW, \$5.95

EQUIPMENT GLIDES

GLIDES military quality 2"W x 18"L chassis slides have 21" travel; load rating approx 100 lbs. 6 lbs sh; #GL-1821, used, \$10 \$7.50 per pair.



ADJUSTABLE ALUMINUM SHOCK-MOUNT WITH FOUR 1 1/2-3 LBS. SHOCKMOUNTS. PERFECT FOR SMALL POWER SUPPLY, AMPLIFIER OR OTHER GEAR. FITS 5-1/8"W X 6 1/2" TO 7 1/2" DEEP UNIT; 2" HIGH. SH WT: 3 LBS. #MT-569A/ARA, unused, \$2.50

NATIONAL HRO COILS

Individual coils for HRO receiver coil set plug ins. Unused, \$2.50 ea; 4 for \$8.00

KHz

50-100:	E111
100-200:	B139 E110 B140
175-400:	B113
2-4 MHz:	B123
7-14:	B131

TRANSMITTER COILS

used in 400 W transmitters; 4.5" dia. T-4 type has nine banana jacks; C-type five C-type five jacks. Used/unused as available; 2 lbs:

#T4-1540, 2.0-3.5 MHz,	\$5.
1548, 5.2-7.2 "	\$5.
1549, 7.2-9.2 "	\$5.
#C-454, 1.5-2.0 "	\$5.
-388A, 3.5-4.5 "	\$5.
-389A, 3.5-5.7 "	\$5.
-447B, 8.0-11 "	\$6.

CERAMIC COIL BASE for above #C-coils; 5-banana jacks, two stand-offs. 7.3"L. #C-BS/610, used, \$4.

TCS Rx NOISE LIMITER KIT w/ 12H6, ceramic switch, resistor & capacitor. NEW, \$3.00

TRAVELING WAVE TUBE

EMI 7640 TWT, similar to Hughes 313H; 2.0-4.0 Ghz, 1 KW output, 30 db. 16x3x3 1/2; 20 lbs. sh. Sold as an experimenter's item only; not guaranteed. \$17.50

ITT D-2013 CW TWT, 5 watts 33 db gain, 8.0-9.6 Ghz; 6.3 v. heater. 12x1 1/2" dia. 3 lbs. sh. Unused, \$45.00

RCA 4012/All157 TWT, 2.0-4.0 Ghz, 36 db min., 20 MW min. 15 1/2" x 3 1/2" x 1 1/2". 4 lbs. sh. Unused, \$40.00

MICROWAVE

MICROWAVE DEVICES, used: SPERRY #D4402-2 ISOLATOR 4.4-5.0 Ghz 1 db insertion loss; 15 db min isolation. N male & female conn. \$14.

MICROLAB #HR-50N DC IN-BLOCK, 2-8.5 Ghz, \$7.95

MICROLAB #HZ-10T SIGNAL SAMPLER, 50 MHz-12 Ghz; reactive T-adaptor TNC (m) to TNC (f) to BNC (f), \$8.

MICROLAB #TA-SMT TNC (m) 50 ohm termination, \$6.00

MICROLAB #HA-A64 HIGH PASS FILTER, 2 Ghz, unused, \$12

TCS VARIABLE CAPACITOR, 2 SEC. 10-360 MMF, ONE SEC 10-360 MMF, 3 BAND CALIBRATED DIAL 4" 1.5 to 12 MH. SIZE: 7x3x3 1/2; WT: 10 LBS. #881 \$3.95 USED

SINGLE SECTION 11-67 pf .05" spacing. Has three front mount spacers for #6 screws

Shaft 3/8x2 1/2" dia; o/a 3 1/2x1-7/8x2 1/2. #3D9067V88 \$3.95

RF-3-14A164, 10-40mmf gap 0.04". 2xV. 3x2x2 1/2 \$2.95

HAMMARLUND VAR. CAPACITOR 20-90 pf 0.05" spacing. Silver-plated, 0.04" thick plates. Right angle worm and split gear drive. Shaft 3/8" x 1 1/2" dia. 4 1/2x3 1/2x3 1/2 #446-6571 \$9.95

VARIABLE CAPACITORS, removed f/ T-195/GRC transmitter.

#C-222/T-195, 25-485 pf one sec.; 23-437 pf the other. 0.03" air gap. With gears 1 1/2" dia. and 5/8" d. 4 1/2x3 1/2 overall. \$4.95

#C-221/T-195, 13.5-77.8 pf one section; 17-99.6 pf the other. 0.094" air gap. 2 1/2x2 1/2" dia. shaft. 5 1/2x1 1/2x3 1/2 overall, 2 lbs sh. \$3.95

THREE GANG, 15-85 pf/gang 0.03" gap; 3 1/2x1-5/8x4 1/2. #C74-049 unused \$4.95

3-GANG, 15-160 pf/section, 0.02 air gap; 1" dia shaft 1 1/2x4 1/2x1 1/2. #3TH160, \$3.95

BC-624 RECEIVER R.F. TUNER ASSY 100 - 156 MHz A.M. w/VARIABLE CAP., COILS, TUBE SOCKETS, OSC. SEC. P/O SCR-522 5x5x5; WT: 7LBS 2ZK11150 Used \$3.95/N \$5.95

2-GANG 6-16 pf/gang 0.05" gap. Silver-plated with brass gears; p/o TS-497 sig generator. 7/8x5/16" dia shaft; o/a 4x2-3/8x3. #2330-313, unused, \$5.95

XMITTER TRIMMER, 8-40 pf 0.05" gap; SCD-adjust. O/a 2x1.2x1.6; #766-840, \$2.50

2-GANG, one 15-140 pf, one 15-95 pf, 500 V; 1.3x1.3x1 #230V020H01. used, \$1.25

TUNING CAPACITOR F/RT-176/PRC-10, 38 to 54.9 MHz, 5-GANG, 5-33 PF/GANG. WITH 1 1/2" AND 5/8" DIA. GEARS; 3/16" DIA SHFT. 1 1/2x1-5/8x4, USED, \$4.95

PLUG-IN TUNING COIL SETS for RU-18 & -19 receivers; 3 lbs sh. Unused:

RANGE D, 850-1330 KHz,	\$10.
E, 1330-2040 KHz,	\$9.
F, 4000-6000 KHz,	\$8.
H, 9050-13575 KHz	\$7.

TUNING COILS

used in 400 W transmitters; 4.5" dia. T-4 type has nine banana jacks; C-type five C-type five jacks. Used/unused as available; 2 lbs:

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-388A, 3.5-4.5 "	\$5.
-389A, 3.5-5.7 "	\$5.
-447B, 8.0-11 "	\$6.

TRANS. CAPS.

DUAL 4-30 MMF 1000 VDC 1 1/2x1 1/2x2, SHAFT 1/2x2 P/O BC-640 CARDWELL 430/1M REM \$2.95

DUAL 5-25 MMF 2000 VDC 1 1/2x1 1/2x4 SHAFT 1/2x2 P/O BC-640 CARDWELL 525/2M REM \$3.95

DUAL 4-20 MMF 2000 VDC 1 1/2x1 1/2x3 SHAFT 1/2x2 P/O BC-640 CARDWELL 420/2M REM \$3.95

Single 12-65 pf, 0.06" gap; 3/8x2 1/2" dia shaft, o/a 3 1/2x1 1/2x2 1/2. #CARD-427B NEW \$5.

BC-624/522 RECEIVER, 3 GANG 6-36 MMF EACH SECTION WITH SLOTTED TRIM. SHAFT 5/16" STK#3D9036V

SIZE: 4 1/2x2x3 1/2; 1 LB. \$1.50

Single 7-26.3 pf, 0.06" air gap; shaft 3/8" dia, o/a 2x2x1 1/2. #C227/T235, \$2.95

DUAL 6-22 MMF 1500 VDC 1x1 1/2x2 SHAFT 3/16x2 TELERADIO 622/15M NEW \$1.95

SINGLE GANG 20-400 pf 0.02" gap; ceramic insulated. 3/4x1/4" d-shaft; o/a 4x1.6x1.8. #C1003/T195, used \$6.

MILLEN NEUTRALIZING CAPACITOR, 2-gang, each 7 - 25 pf; 0.062" spacing. 1/2"L x 1/4" dia shaft; o/a 4.3x2x1.5. #22925, NEW, \$4.50

AIR VARIABLE CAPACITORS from BC-191 tuning units; 0.04" air gap:

#77660447-1 10-116 pf; 3.8" x 1.8" x 1/4" dia shaft, \$4.95

#P7761569-3 11-66 pf 3.3x2.8x2.3, 1/4" dia shaft, \$3.95

#P7761569-5 15-77 pf 3.3x2.8x2.3, 1/4" dia shaft, \$4.50

#T7660443-8, 8-26 pf, 5/8" x 1/4" dia shaft; O/a 1.8x2.8x3, 2 lbs. Used, \$3.95

PRECISION TANK TUNE CAPACITOR 25-920 pf w/right angle worm gear reduction tuning. 0.03" spacing; 1 1/2" dia shaft, o/a 4 1/2x2 1/2x3 1/2. Remove f/equip. #C9/SG-15, \$2.00

TU-53 OSCILLATOR PLUG-IN ASSY. FOR BC-610 TRANSMITTER

FREQ. RANGE 8-12 MHz. CONTAINS VAR. CAPACITORS WITH SHAFTS 140 MMFD, 190 MMFD. 2/CERAMIC CAP. 1/MICA CAP. 4/R.F. COILS, 2/RES. 1/DPDT switch, dial, and two knobs Rear plugs are broken. 2x8x4 1/2, 4 lbs sh. Used, \$3.95

MAR TRANS-CEIVER uses single channel in 2.7 to 4.5 MHz range, 200 MW output. In waterproof black plastic case; mic and headset cut-off and not available. With tubes 3/354, 2/1T4, 1R5, & 155. Requires 67.5 VDC 3 ma 135 VDC 19 ma, 1.5 V 30 ma. 8.8x2.8x7.8, 8 lbs sh. Used-AS-IS with book, \$6.95

RECEIVER STYLE VARIABLE CAPACITORS, 500 V spacing; 1/4" dia shaft. 4x1.8x1.5, 1 lb 2-GANG, 18-90 & 10-275 pf; 2"L shaft. #97400, \$2.95

3-GANG, 2/20-365 pf & 17-175 pf; #5740, \$4.50

1-GANG, 15-325 pf; 1.4x1.4x1.3. #512-001, \$2.50

2-GANG, 25-90 & 40-210 pf; 1.3x1.3x1.5. #900229, \$2.66972, 2-gang, 9-50 pf @ 10-100 pf; 1.1x3/4, \$1.25

#074-050J-2, 8-20 pf 3/4x1/4" dia shaft, \$1.25

Dual 5-15mmf, ceramic w/friction gear to hold setting. 0.04" spacing. 2 1/2x1 1/2x1-7/8 in dia shaft. coil gear removable. #358-3164 \$1.95

#KS21146L1, 3-GANG, 7-60 PF/SEC. 0.03" GAP. O/A 5 1/2x1 1/2x1 1/2, \$3.95

GLASS PISTON CAPACITOR #VC-306, 30 pf, 2x1/4", \$1.

#3D9025V-99 TRIMMER, 3.5 to 25 pf; 1.5"L x 0.25" dia shaft; o/a 2.3x1.3x1.3, \$1.25

SINGLE 10-100 pf, 0.02" gap; 1/2" dia shaft, o/a 2 1/2x1 1/2x1 1/2. #3D9100V \$1.95

AIR PADDER CAP

ALL PADDER CAPS REQUIRE SCREW-DRIVER ADJUST.

351-1054 2-8 pf 49¢

ES614178 4-18 pf \$1.60

657-J3 8-55 pf 79¢

SBL72265-2 8-32 pf 59¢

3D9011V-7 5-14 pf silver-plated Hammarlund, 89¢

#C2-R174, 5-40 pf trimmer; 1:1/4" d sh, 1.5x1.3x1.5, \$1

#C655/R174, 2-11 pf screw-driver adj; 1 1/2x2 1/2, \$1.50

#3D9006V-7 DIFFERENTIAL, 3-6 PF, .045" GAP; 1 1/2x1 1/2x1 1/2" D. SHAFT. NEW, \$1.95

JOHNSON #160-102 TRIMMER. 1.5-5.1 pf; 3/16" shft \$1.75

SINGLE GANG 20-245 pf 0.035" gap; gold-plated rotor/stator. 1x1/4" dia shaft; o/a 3x1.8x2.5. #C107/778, used \$6.95

COMMON RECEIVER VARIABLE CAPACITORS, 3-GANG, TRIMMERS & GEARS. 2 1/2x3x4 1/2; 3 LB.

#6558, 62 PF, 6-9 MHz, \$4.

JOHNSON "M" SERIES, 3/16" dia slotted shaft; o/a 1-5/8x3/4x5/8. Used: #160-130/30m8, 3 to 32 pf, 28 plates, \$1.25

ROLLER INDUCTOR ASSEMBLY with 115 VAC 400 Hz motor drive, 3.4" lg x 1.75" dia coil; 28 turns #18 wire approx 14 uH with center tap. Designed to resonate antenna to a transceiver's frequency. 4.5x2.8x2.8, 5 lbs; used. #T301/CU-991, \$14.95 \$12.

OUTPUT NETWORK part of ART-17 transmitter; designed for 200 pf capacitor & L112 variometer to provide Pi and matching for 813 tube. 57 uH coil tapped 2-6-15-24-34 uH. coil tap switch, and 7-Centralab 85C HV caps 25 pf, 3/50 pf, 3/67 pf. 5.5x8x3.5, 7 lbs sh. #ONET/ART-13, used, \$12.00

1820-2520 MHZ

PRESELECTOR, two separate cavities having 21 MHz band width and 3 db insert loss @ 1715 MHz. IN21B crystal mixer 120 Mhz output from 1820-2520 Mhz injection. "C" and "BNC" connect. 9 1/2x3 1/2x3 1/2 4 lb #PRE/TRC29 \$30.

#3CPR/TRC29 TRIPLE COUPLER which fed P-A. 36 db and 65 db RF outputs; DC output for P-A meter. 4 "C" connections and one IN21 connector. 5 1/2x2 1/2x1 1/2 \$7.50

HARMON-KARDEN FM TUNERS with AM capacitors-no AM component. 75 ant, 300 lf jacks. 1/4" dia shaft; 2 lbs sh. #00331591A, two MOSFET RF, MOSFET mixer, 2-transistor oscillator; 3:1 gear. Requires 13 VDC; 4.8x2x4.8. NEW, w/info, \$9.95 \$7.95 #00234229 (Alps), similar features except IC oscillator & 3-gang capacitor; 5.5x2.5x3.3. NEW \$7.95 \$7. #FB113U13 (Alps), one FET two transistor oscillator; req -12 V; 3.5x2.3x2.8. NEW \$4.95 \$3.50

OLDER-STYLE TV TUNERS, AM (550-1600 KHz) or FM (88-108 MHz) as listed:

AM-FM TUNER w/ 12D78 tube and dial; 3x2x3, 2 lbs. #2H02, \$5.

HEATH FM TUNER with 3-gang variable capacitor approx 40 pf/sec. 2.4x1.5x2.5, 1 lb sh. #110-30, NEW \$5.00

HEATH #110-39 SOLID-STATE FM TUNER, 3.8x3.3x1.5, \$4.95

LC-902 ANTENNA INPUT TANK for TN-2A/APR-1 tuner for 76-300 MHz w/variable capacitor, coil, & 955 tube socket. 4.5x3, 4#. \$5. LC-701 300-1000 MHz OSC, \$5

OUTPUT NETWORK part of ART-17 transmitter; designed for 200 pf capacitor & L112 variometer to provide Pi and matching for 813 tube. 57 uH coil tapped 2-6-15-24-34 uH. coil tap switch, and 7-Centralab 85C HV caps 25 pf, 3/50 pf, 3/67 pf. 5.5x8x3.5, 7 lbs sh. #ONET/ART-13, used, \$12.00

OUTPUT NETWORK part of ART-17 transmitter; designed for 200 pf capacitor & L112 variometer to provide Pi and matching for 813 tube. 57 uH coil tapped 2-6-15-24-34 uH. coil tap switch, and 7-Centralab 85C HV caps 25 pf, 3/50 pf, 3/67 pf. 5.5x8x3.5, 7 lbs sh. #ONET/ART-13, used, \$12.00

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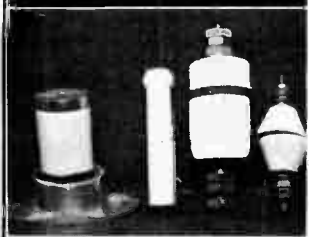
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OUTPUT NETWORK part of ART-17 transmitter; designed for 200 pf capacitor & L112 variometer to provide Pi and matching for 813 tube. 57 uH coil tapped 2-6-15-24-34 uH. coil tap switch, and 7-Centralab 85C HV caps 25 pf, 3/50 pf, 3/67 pf. 5.5x8x3.5, 7 lbs sh. #ONET/ART-13, used, \$12.00

OUTPUT NETWORK part of ART-17 transmitter; designed for 200 pf capacitor & L112 variometer to provide Pi and matching for 813 tube. 57 uH coil tapped 2-6-15-24-34 uH. coil tap switch, and 7-Centralab 85C HV caps 25 pf, 3/50 pf, 3/67 pf. 5.5x8x3.5, 7 lbs sh. #ONET/ART-13, used, \$12.00

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INSULATORS



STAND-OFF, CROWS FOOT, 7" Hx1 1/2" DIA. CAST BASE, 2 1/2" CTRS. TOP CAST W/3/16"-20 SCREW #5970-405-8992 \$4.00 SIMILAR, ABOVE 3" 3.00

FEED-THRU INSULATOR (Fig 2) 1/2" HOLE 7/8" DIA. W/NECK 3" LONG 30¢ 6" LONG 50¢ 8" LONG 60¢ STOCK NO. 1014-(LENGTH) SAME AS ABOVE OVAL TWIN-

PORCELAIN STAND-OFF INSULATORS, SCREW THREADED. #P-4H-.750, 8-24 THRD, \$.50 #P-5H-.750, 8-24 THRD, .65 #P-6.75H-10, 10-24 THRD, .85

JOHNSON THRU-PANEL BUSHING INSULATOR, TWO 0.8"Hx1.3" DIA CERAMIC CONES WITH 2.9" LONG SCREW & HARDWARE. NEW: #135-0051, \$1.25 ea; 10/510

14" LONG SPREADER INSULATOR brown porcelain 14x1.3x1; 3 lbs sh. #361100-192, \$2.75

SPREADER, brown porcelain 8.5"Hx1.8"Hx1"D reinforced 0.5" dia hole on ends; 3#. #SP1-85181, \$1.95; 2/93

GLASS-BONDED MICALEX STRIPS 10"x1"x5/8" Th. Five holes .2" dia. #3G110-160, \$1.50

IN-88 SPREADER INSULATOR, 2.5"L x0.5" dia; 1/16" holes 4/91

STRAIN/STAND-OFF, isolated #10 end-bolts (1.4" & 0.6" L); 3"Lx2" dia white porcelain. #SP/ST-32, \$1.00

STRAIN INSULATOR, 3x2 1/2" dia; 1/2" to 1/4" dia taper feed-thru core. 1 lb sh, #STR-84 \$3.95

INSULATOR STANDOFF FEED-THRU, THREADED ONE END; 3/8" HOLE. ACE-3"Hx1 1/2" \$1.

STRAIN INSULATOR, 4 1/2"x2 1/2" dia; 1" dia core feed-thru 1 lb. #STR-1610, \$1.95 ea

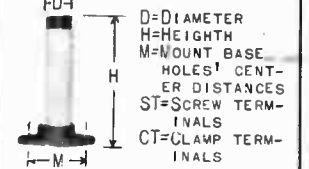
STRAIN INSULATORS Brown porcelain 2.1"H x 2.3" dia with 0.7" dia center hole; 1 lb. #STI-2123D, \$.65 ea; 4/92.

KNIFE SWITCHES, unused: #KNSW-04, DPST on 1.8x1.5 x0.4" ceramic base, \$1.75 #KNSW-02, SPDT on 1.3x0.5 x0.1" phenolic base, \$.65

7" DIA PORCELAIN BOWL INSULATOR with mount hardware Plastic insert on top has 3/16" dia hole; can be drilled to 5/8" dia. #7D-B1, \$4.95

STAND-OFF'S

STAND-OFF INSULATORS CROWS FOOT TYPE BRASS AND PLATED BRASS BASES AND TERMINALS.



#B-H3-D1.25-ST3, BROWN CERAMIC; M=2.25" TERM. CAP SIZE: 7/8x1-5/8" DIA. SHPG. WT: 2 LBS. \$2.75

#B-H4-D1.25-ST2, WHITE; M=2.25" TERM. CAP: 1x1-5/8" DIA. 3 LBS. \$3.25

#W-H5-D1-ST, WHITE; M=2.25" TERM. CAP: 2x1" DIA. \$3.00

#W-H5-D1.25-ST, WHITE; M=2.625" TERM. CAP: 3/8x1 1/2" DIA. 3 LBS. \$3.75

#B-H5-D1.25-CT, WHITE; M=2.25" TERM. CAP: 1x1-5/8" DIA. 3 LBS. \$4.00

#BL-H6-D1.25-ST2, BLACK PAINT ON BRASS; M=2.625" TERM. CAP: 1 1/2x1 1/2" DIA. SHPG. WT: 4 LBS. \$4.25

#B-H8-D1.25-ST2, brown; M=2.625". Term cap 1x1 1/2" dia; 3 lbs sh. \$5.50

QUANTITY DISCOUNTS on stand-offs: 10-25 ea (1-type) 20% OFF; 25% (26-99), 30% (100+)

FLEXIBLE COUPLING

CERAMIC FLEX COUPLING, 1 1/2"x1.3" X-style for 1/4" dia shaft. COUN012, \$.75

1" dia coupling for 1/4" dia shafts; #COUN013, \$.65

#COUN008; 2-5/8" dia x 2", for 3/8" dia shaft. 79¢ ea

#COUN009; 2X2 CERAMIC COUPLING for 3/8" dia shaft. 69¢ ea

#COUN010; 3" dia x 1 1/2", for 3/8" dia shaft. \$1.25

AC LINE CORDS

3-COND. GROUNDED equipment cord, 8' #18 wire. Molded plug; black. #FW-3CG \$1.85

3-COND #14 wire, 6 ft gray w/molded plug. #W14-6G, \$2.

3-COND w/business machine plug, fits most Hewlett-Packard equip. Without AC plug; 5 1/2'. #HP-3CG \$1.50

3-BLADE cord w/AC plug for never H-P & business equip; 6' black. #HP-NS, NEW \$2.50

More DOLLAR-DAZE: TOGGLE SWITCHES, SPST cut-offs, 5/\$1.00

SLIDE SWITCHES, 2PDT and SPDT, 5/\$1.00

SPST ROCKER DIP SWITCHES for PC board use. Can be soldered or fit in socket. Grayhill mfg. NEW #763B04, 4 sw, \$.75; 5/\$3.

SELECTOR SWITCH 15 BUTTON, MAKE ONE BREAK ONE, RELAY RELEASES ALL BUTTONS WHEN ACTIVATED, 115 VAC OR 24VDC SIZE: 12x7x2; WT: 7 LBS. URC#1524115 NEW \$3.95

MICRO SWITCHES



SPST MICROSWITCHES 1-7/8x 5/8x1 1/2, 30¢ ea unless otherwise noted. Normally open-n.o. Norm closed-n.c.

#WHBT349A-1 n.o. lever #YZ-3RLTC n.o. lever 15A

#SW-186 n.o. ext-pin #WZ-RS9 n.o. ext-pin

#2MC3-1A n.c. pin; 1-5/8x 1/2 size.

#V3-23 n.o. or #V3-21 n.o. pin; 9/16x1x1-3/8 size.

MU-SWITCH Type D in split dye cast housing; 1/2" tap conduit hub. 17/8.5 amp 125/250 VAC, new, 75¢

SPDT, one side n.o./other n.c.; 1-7/8x5/8x1 1/2, 40¢ ea

#3Z-3R244T4, pin style #WHBT349B-1, lever style

#BZ-2R, button w/mtg 50¢ #V3-1 9/16x1x3/8 size

C-H TRIGGER SWITCH, DPST norm open w/spring-loaded actuator; 12/6 A 125/250 VAC. #CH-TR-DP, NEW \$2.50

MICRO-PLUNGER EXTENSION for 1.5"x0.6x1.3" Micro-switches. Plunger o/a 2.4"L; 1.6" threaded. #MCD5711 75¢

TAP SWITCHES, 120/240 VAC 10/5 amps unless otherwise noted; 2 1/2" dia. Used.

#AHH-23-10; 2-deck 3-pos w/knob \$2. #AHH-230; 2-deck 3-pos and OFF. Cont. turn; 15/10 A. No knob; 3/16" d shaft. \$2.25

#AHH-33-10; 3-deck, 3-pos with knob, \$2.50

#AHH-2W-3W 3-pos with OFF. 120/240 VAC 30/15 A (2-wire), 15/15 amp (3-wire). 1-7/8x 1 1/2x1 1/2, 2 lbs sh. Used w/knob \$2.50

6-POSITION CERAMIC TAP SWITCH for 100 W BC-375 transmitter; 2.3x2.3 x1.8, 1 lb. NEW #329605 \$3.95 ea 10 for \$32. 100 for \$255.

3-CONDUCTOR CORD, 8' #16 wire; grey moulded plug #W16-3C \$1.65 HEATER CORD type HS3, 3-conductor 7.5' #16 wire; grey moulded R-A plug. #HSJ-16 \$2

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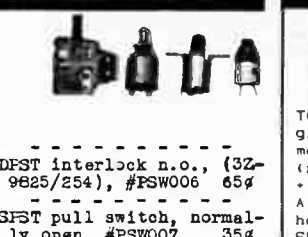
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PUSH SWITCHES



DPST interlock n.o., (3Z-9825/254), #PSW006 65¢

SPST pull switch, normally open, #PSW007 35¢

SPST normally closed case ground; #PSW008 35¢

SPST normally closed, Grayhill #4002 50¢

2-BUTTON momentary; red breaks, black makes. 3/8x 1-5/8x1-1/8; #RB-EM \$1.50

MULTI PUSH

SWITCHCRAFT DW-Type, each section EPDT 3 amps AC; 0.5 A DC 125 V non-inductive. Can use T-1 1/2 size lamp. NEW #67097-506, 9-button Push-on/Push-off; 1x6x1 1/2 \$7.75 #67091K-506, 9-button interlocked, \$6.50

#67137-506, 13-button Push-on/Push-off; 8 1/2"W. \$9.75 #67131K-506, 13-button interlocked, \$7.95

WESTINGHOUSE THERMAL MAGNETIC TRIP UNIT, 3 poles 250 VDC 75 A normal; 450-525 trip amps @ 50 C ambient 150%-225% of rating. Type AQB-A100; 4.5x5.8x4. 5 lbs sh. #248-1371, NEW \$14.95 \$11.

Cutler-Hammer MINI-TUGGLES, All 6 amp 120 VAC; NEW:

DPDT center-off \$1.50 3/4 C1DT on-on, \$1.65, 3/4 \$1.25 4PDT on-on, \$1.75, 3/4 \$1.50

SWITCHES

MINIATURE SWITCHES, all new. Black: blk. White: wh.

DPDT momentary, blk or wh button (a); C&H #8221 \$1.65 SPDT on-off-on, wh. toggle (b); Alco #MLD106E, 75¢

SPDT on-on, blk. rocker (c) JBT #MR2-123, 65¢ SPDT on-on, blk. push-type Alco #SP105D, 60¢

SPDT on-on 1-side momentary blk or wh post; CK8168 65¢ SPST black rocker; not mini Carling #123, \$.60

SPDT mini-toggle, baton throw: on-on. #7101T 65¢

DPST one side m.m. (f) toggle; Alco #CST-023TA, 2/\$1

DPDT on-on slide (h), 2/\$1. DPST sub-mini slide switch; Chicago EIA 50, 5/\$1.

DPDT on-on slide (h), 2/\$1. DPST sub-mini slide switch; Chicago EIA 50, 5/\$1.

DPDT on-on slide (h), 2/\$1. DPST sub-mini slide switch; Chicago EIA 50, 5/\$1.

DPDT on-on slide (h), 2/\$1. DPST sub-mini slide switch; Chicago EIA 50, 5/\$1.

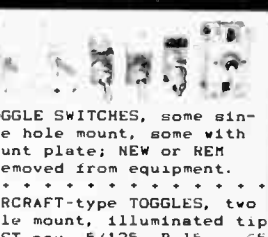
DPDT on-on slide (h), 2/\$1. DPST sub-mini slide switch; Chicago EIA 50, 5/\$1.

DPDT on-on slide (h), 2/\$1. DPST sub-mini slide switch; Chicago EIA 50, 5/\$1.

DPDT on-on slide (h), 2/\$1. DPST sub-mini slide switch; Chicago EIA 50, 5/\$1.

DPDT on-on slide (h), 2/\$1. DPST sub-mini slide switch; Chicago EIA 50, 5/\$1.

TOGGLE SWITCHES



TOGGLE SWITCHES, some single hole mount, some with mount plate; NEW or REM (removed from equipment).

AIRCRAFT-type TOGGLES, two hole mount, illuminated tip SPST new 5/125 B-15 .65 (momentary norm-closed) SPDT new 5/125 B-9A .65 (ON-OFF-ON)

SPDT new 15/125 B-1B .75 DPST rem 30/125 C-1 1.25

INDUSTRIAL-type TOGGLES: SPST rem 8/125 8817K2 .35 (above momentary) SPDT rem 8/125 ST-420 .35 (ON-ON)

DPDT rem 5/125 ST-22R .35 (momentary) DPST rem 10/125 ST-52K .40 DPDT rem 10/125 ST-52N .50 (ON-ON)

DPDT rem 10/125 ST-52R .50 (ON-ON momentary) DPDT new 6/125 T-WB-87 .75 (ON-ON, 1" mount barrel, 1/2" dia white ball cap)

3PDT rem 10/125 8742K5 1.25 (ON-OFF-ON) 4PST rem 15/125 7661K5 1.00 4PDT rem ON-ON 34TS11-3 \$1.

TEN PUSH SWITCH STRIP EACH D.P.D.T. INDIVIDUAL HOLD OR COLLECTIVE OR RELEASE. NEW 12x4x3/4; NO.4C5231 \$2.25

ROCKER SWITCHES 0319 SPST 39¢ 3 FOR \$1.00

0348 DPDT 59¢ 2 FOR \$1.00

0320 SPDT MOMENTARY BOTH SIDES. 65¢ EA. 2 FOR \$1.20

PUSH BUTTON SELECTOR THRU 4 SEPARATE CONTACTS, 5,6,7 MAKE 2,3,4 RESPECTIVELY W/COMMON. RED BUTTON RELEASES ALL. RATED @ 120/240VAC 8; SIZE: 4 1/2x1 1/2x2 1/2; WT: 2 LBS. GE#SP8128-417 UNUSED \$4.75

LEVER SWITCHES 4PDT ONE SIDE 2PDT OTHER SIDE, BOTH SIDES MOM.# 1155 NEW \$2.00

TV-2 tube test P1 lever sw; make 2-break 2. Removed \$2.

2PDT ONE SIDE, OTHER 2 MAKE, P/O EE-2, USED \$1.00

SPDT make before break and 2/SPST normally closed; single hole mount. Telephone #129596 (FSN #5930-259-6880), unused, \$1.50

2PST ONE SIDE ONLY HOLD, CTR OFF, ONE HOLE MTG. SWITCHCRAFT 513148 NEW \$1

200/400 AMP TAP

3PDT 400 A 600 VAC TAP SWITCH, no "OFF" position. 9.5x9x9, 25 lbs sh. #0279, NEW, \$29.95

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EQUIPMENT BLOWERS



18 VDC 2400 RPM 5-BLADE FAN removed from oscilloscopes; runs well on 6 VDC. 7" dia blade rotation; o/a 8 1/2" dia X 5 1/2" depth. Includes eight single TO-3 heatsinks; 8 lbs sh. #B401/USM, used, \$16.95

DUAL BLOWER, 3450 RPM 1/12 HP 115 VAC 60 Hz 1.1 A GE-motor; 3" inlet, 3 1/2" outlet. W/capacitor; 11x6x6, 10 lbs. #GE-JG284 used \$15.



TORRINGTON BLOWER, 200 CFM 220 V 3000 RPM (100 CFM 115 VAC 1500 RPM). 4" dia intake; 2 1/2" x 3 out. Outlet mtg 4" dia. O/A 7x7x7 1/2, 10 lb Torrington #A13980, unused \$18.95

EASTERN AIR TWO SPEED BLOWER, 2800/3200 RPM capacitor-start motor 1/40 HP 0.38 amp 115/230 VAC 50/60 Hz. Mounted on base w/4 mfd capacitor, terminal strips. Approx 150 CFM. Intake 3" dia, outlet 1 1/2" x 2 1/2". O/A 8 1/2" x 11 x 6 1/2, 14 lbs sh wt. EAD#B747M1-C, used, \$12.95



FASCO DUAL BLOWER 50 C.F.M. 115 VAC 60 Hz 0.74 amp @ 2800 RPM. Outlets 2x1-5/8". One outlet is parallel to mounting base; other is at 90°, but can be modified as shown in picture. Inlets 2 1/2" dia. Overall 7 1/2" x 6 1/2" x 5 1/2, 12 lbs sh. Fasco type 21, #127S217, unused, \$10.00



5-BLADE COOLING FAN removed from military power supply; 4 1/2" dia rotation. 115 VAC 0.1 amp 3300 RPM; w/capacitor. 2 1/2" D. #FAN-2054, \$4.50

BLOWER/VACUUM, 115 VAC solenoid reverses intake/outtake allowing unit to work as blower or vacuum. 1 1/2" dia hoses; 6x8 dia, 12 lbs. #3M-CFB, \$12. Less solenoid, \$9.

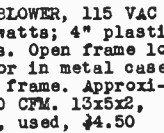


HOWARD 4.5" square 5-BLADE FAN, 5/8" deep aluminum cast frame; 115 VAC 19 watts. O/a depth 2-5/8"; used-removed from equipment. #1175-08, \$7.95

4-BLADE 6" DIA FAN in conical housing; 115 VAC 60 Hz. Adapt to use as duct fan. 8 lbs sh. #3M/4B-DF, used, \$9.95



FAN-TYPE BLOWER, 115 VAC 60 Hz 20 watts; 4" plastic fan blades. Open frame low noise motor in metal case-mount type frame. Approximately 100 CFM. 13x5x2, 5 lbs sh. Howard #1075-3102, used, \$4.50



HEATSINKS

Clean HEATSINKS, 10.3x4.5x1.3, NEW: #6T104F flat bottom; f/six TO-3, \$4. #10D1041 f/7.25" d /3-0.38" d diodes \$3 #1D1041F f/1-bot f/0.75" d diode \$3.50 #2T1041F f/1-bot; f/two TO-3, \$3.75

HEATSINK PANEL has four 10x2-7/8x1 1/2 heatsinks and six 2N3055's on 10 1/2 x 14 panel; 9 lbs sh. #HS-M32, \$12.00



#WE-HLD HEATSINK w/diode approx 100 PIV 25 amp; 5x3x1 1/2. Used, \$2.50

#DHS. ANOZIZED ORILLED FOR DO-4 DIODES. 3-7/8x2 1/2x1-1/8, 2 FOR \$1.00

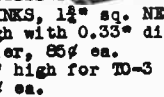
DUAL TO-36 HEATSINK, 3x3 1/2x1-3/8; flange mounting. #HSTO36, \$.75 each

#3D523-8 HEATSINK, 5x3x1-9/16; drilled for 3 large stud rectifiers (1" dia recesses), \$2.

#2D953 HEATSINK, 9x4.8x2.6, drilled with two 3/8" dia holes. 3 lbs sh. Unused, \$4.25



SERIES 680 HEATSINKS, 1 1/2" sq. NEW #1.00-5-5, 1" high with 0.33" dia. hole for rectifier, 85¢ ea. #75A-16-1, 0.75" high for TO-3 transistor, 75¢ ea.



COMPACT AXIAL FANS



AXIAL FANS, 4 1/2" square X 1 1/4" thick; 115 VAC 60 Hz. Removed from equipment; guaranteed.



ROTRON MUFFIN or similar; 3-blade 14W \$7. 5-BLADE axial fan in metal frame; 18 watts. Various manufacturers, used, \$9. PAPT #3124F 18 VDC 2 watt or 30 VDC 3 W FAN; 9-blades, 3.5 square X 1" deep, NEW, \$10. ROTRON BISCUIT or like fan, right angle 1x2" out-take; 115 VAC 60 Hz 16 W. #12-93 \$10.

SPRITE FAN

ROTRON MODEL SU267

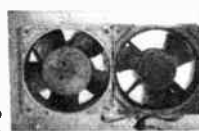


Small 3.1" sq X 1.6" D size. Five blade plastic fan in die cast housing. 115 VAC 50/60 Hz 2 lbs sh. NEW, \$12.95 \$9.95



FIVE BLADE COOLING FAN, 4-5/8" dia. rotational no enclosure. Mounting bracket hole centers 5-7/8" apart. 115 VAC 60 Hz. 2 lbs. sh. Airtrol #11-2100, NEW, \$4.95

DUAL FANS



DUAL AXIAL FAN ASSEMBLY, one 3-blade 14 W Rotron Muffin and one 5-blade 18 W metal Howard Cyclohm 4.5" sq equipment fans on 11x6.8 metal plate. 115 VAC 60 Hz; 6 lbs sh. #2-AX-FNB6, used-tested, \$10.95

EQUIPMENT BLOWERS



200 CFM FASCO BLOWER, 115 VAC 60 Hz 2.2 amp @ 3200 RPM; motor speed increases to compensate for any reduction of air intake. 4.5" dia inlet; outlet 3x3.3. Flange mounting 4.8x4.8; o/a 8x8x8, 9 lbs. #50755-1448, used-good \$10.95

100 CFM FASCO BLOWER, 115 VAC 60 Hz 1.0 amp @ 3100 RPM. 3-7/8" dia inlet; outlet 2.5" x 2.5". Flange mounting 5.1x4; o/a 7.3x7.3x6, 7 lbs sh. #7021-0573, NEW, \$12.95



150 CFM FASCO BLOWER, 115 VAC 60 Hz 1.5 amp 1/10 HP. 4.5" dia inlet; outlet 3.8"x3.4". Has 9.6x9.8 mount plate on intake side and motor start capacitor. Big blower --small price! 12¢. #7082-0124, used, \$9.

HOWARD #1175-08-4 BLOWER, 115 V 60 Hz 12 watts; intake and out-take each 7/8" dia. Suitable for quiet cooling/blowing uses. O/a 4 1/2" x 3 1/2" x 2, 2 lbs. w/hose, \$6.95

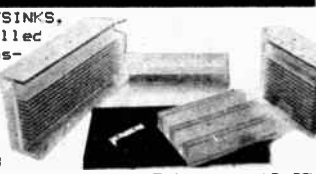
10 INCH ROTRON FAN



ROTRON CARAVEL 10" FAN, 550 CFM free air delivery using 3-blade fan with special Feathered Edge for quiet operation. 3.5" deep aluminum housing; self-lubricating bearings. Operates on 220 VAC 60 Hz but will work on 115 VAC at 50% rating; 8 lbs sh. NEW, \$24.95

HEATSINKS - HEATSINKS

ALUMINUM HEATSINKS, all bare; drilled for TO-3 transistors and/or diodes: #12T1372, for 12/TO-3 and 6 small diodes; 12.8 x 6.8x2.4. Vertical mount; 7 lbs sh, \$9.95 #6T763, 6/TO-3; 6.8x6.3x2.4, vert-mt 4#, \$5. #2T351-4 with two 1/4" holes for transistors; 2.8x4.5x1.4 flat bottom, 1 lb, \$1.50



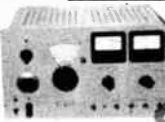
H-P GENERATORS

HP-612A UHF GENERATOR, 450-1230 MHz AM, CW, or pulse in one band. Useful in UHF TV testing. Output: 0.1 uv to 0.5 V into 50 ohms. Internal modulation 400 or 1000 Hz; incidental FM less than 0.002% at 30X AM. Requires 115/230 VAC 50-400 Hz. 13.5x 16.5x21.5, 63 lbs sh. Used-reparable, \$295. HP-612AR GENERATOR, more recent rackmount version of above. Used-reparable, \$350.00



50 KHZ TO 60 MHZ

HEWLETT-PACKARD 606A, 50 KHz to 60 MHz AM in six bands +/- 1X. Output: 0.1 uv to 3 volts into 50 ohms, vernier and step controlled. 100 or 100 Hz modulation; built-in crystal calibrator provides either 100 KHz or 1 MHz frequency check points. Other features include constant output and modulation and low distortion. 10.5x 19x13.5, 50 lbs. Used-reparable, \$275 \$150. Checked \$300 \$225; CABINET f/606A, add \$15.



H-P 400H VTVM

HEWLETT-PACKARD 400H VTVM with wide mirrored scale; 0.0001 to 300 Vrms in twelve ranges, -50 to +60 db. Response 10 Hz to 4 MHz; 23 lbs sh. Used-reparable, \$45.00; Checked, \$85.00 MANUAL, partial repro, \$8.50



HP-410B VTVM, 20 Hz-700 MHz response; 0-300 Vrms, 0-1000 VDC, and R₁ to R₁ megohm. W/ AC probe. Repairable, \$65. Checked \$99.50 HP-410BR, rackmount 410B, repairable, \$60. 410BR without probe harness, \$25.00 MANUAL for 410B/ME-26, partial repro \$8.50 HP-411A RF MILLIAMETER, 3 mv to 10 V over range of 0.5 to 1000 Hz; seven meter scales 0.01 thru 10 Vrms. With probe but no probe tip, repairable, \$95.00 \$79.50 HP-412A DC VOLTMETER, 1 mv-1000 V, 1 uA-1A, 1 ohm-1 Mohm. Repairable, \$95. Checked \$135. + + + + + HEWLETT-PACKARD TEST EQUIP, used-reparable: HP-200AB 20 Hz-40 KHz OSCILLATOR, \$50.00 HP-202A SINE-SQUARE WAVE GENERATOR, \$40.00 HP-212A PULSE GENERATOR, \$50.00 HP-650A TEST OSCILLATOR, 10 Hz-10 MHz, \$95.

HP-5245L ELECTRONIC COUNTER, popular solid-state 7-digit plug-in counter with HP-5253 plug-in allowing frequency measurement upto 500 MHz. Wide variety of plug-ins offered by HP makes this a very versatile unit. Sensivity 100 mv; gate 1 usec to 10 sec in decade steps. Requires 115 VAC 60 Hz; 5.3x16.8x18.3; 36 lbs sh. Used-reparable w/book, \$250.00 HP-5245L MAINFRAME only, usable to 50 MHz, used-reparable with book, \$155.00 HP-5253 500 MHz plug-in, repairable, \$125.00

HP-1707B DC-75 MHz PORTABLE SCOPE, 10 mv to 5 V/div deflection in 9 ranges, sweep 0.1 us-2 sec in 23 steps; delay 0.1 us-2 sec. Rise-time 4.7 ns or less. Also x10 magnifier, beam finder, and 1 KHz squarewave calibrator. 115/230 VAC or 12-36 VDC power; 34 lbs sh. Used-checked w/book, \$795.



HP-312A SELECTIVE VOLTMETER, 1 KHz-18 MHz, 200-100-3100 Hz bandwidth, 3 uV to 3 V ranges; digital readout. Repairable, \$795.00 HP-313 TRACKING OSCILLATOR for HP-312A, \$295 HP-8690A SWEEP GENERATOR mainframe, rep \$400

HEWLETT-PACKARD 200CCR WIDE RANGE OSCILLATOR, rack-mount unit covers 5 Hz to 600 KHz in five decade ranges; +2% designed accuracy. Input impedance 600 ohms. Requires 115/230 VAC 50-1000 Hz. 7x19x14.5; 26 lbs sh. Used-reparable, \$85.00 \$69.50



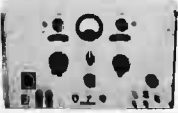
MARCONI FM



MARCONI TF1066B/1 SIGNAL GENERATOR, 10-470 MHz AM-FM in five bands; output 0.2 uv to 200 mv. Modulation 1 KHz or 5 KHz; FM deviation SCALES -20 AND -100 KHz. Requires 115 VAC 60 Hz; 14x19x9, 60 lbs. Used-reparable w/book rackmount, \$425 \$375; add \$15 for cabinet. TF1066B/6, similar to TF1066B/1 except has built-in 1 and 10 MHz crystal calibrator. Used-reparable w/cabinet, \$325.00

TS-418/URM-49, 400-1000 Mhz AM, CW, pulse. Output: 0.2 to 200K uv into 50 ohms. 12x17x13 1/2, 70 lbs sh. Used, repairable, \$175.00

TS-419/URM-64, 900-2100 Mhz CW and pulse @ 1 MW max. into 50 ohms. Repetition rate between 40 and 4000 pulse/sec. Delay: 3 to 300 u-sec. 14x17x11. 50 lbs sh. Used, repairable, \$165.



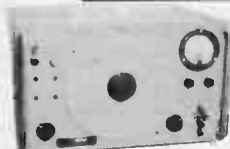
AUDIO OSCILLATOR

TS-382-AUDIO OSCILLATOR, 20 Hz to 20 KHz IN FOUR BANDS. OUTPUT: 0 TO 10 VOLTS ACROSS 1000 OHMS. WITH BUILT-IN 60 AND 400 HZ REED FREQUENCY METER. SIZE: 10x12x18 1/2, SHPG. WT: 50 LBS. NET: 45 LBS. PRICE: USED, REPARABLE, \$49.50. CHECKED, \$65.



TS-382F AUDIO OSCILLATOR, MOST RECENT VERSION TS-382. USED, REPARABLE, \$60. CHECKED, \$75.

TEST OSCILLATOR



SG-71/FCC CARRIER TEST OSCILLATOR, similar to Hewlett-Packard 233A and used to check carrier current systems; 50 Hz to 500 KHz in four bands. High power output: 3 watts into 500

ohms balanced load makes test loops 100 to 200 miles long. 6 V 600 ohm output for audio tests. W/50 VDC output meter; provision for carrier modulation. Requires 115/230 VAC 50-1000 Hz. 11x17x15. 46 lbs. Used-reparable, \$50. Checked, \$85. MANUAL, partial repro, \$10.00

H-P WAVE ANALYZERS



HEWLETT-PACKARD 302A WAVE ANALYZER, covers 70 Hz to 50 KHz with operational modes AFC-normal-BFO; 6 Hz selective bandwidth. Resolution: 10 Hz per division. Meter range 20 uv to 300 Vrms full scale in 15 ranges; dynamic range >75 DB. BFO output 0-2 Vrms open circuit. Requires 115/230 VAC 60 Hz; 12.5x20.8 x14.5, 50 lbs. Used-reparable w/book, \$135.

HEWLETT-PACKARD 310A WAVE ANALYZER, 1 KHz to 1.5 MHz with selective bandwidths 200, 1000, and 2000 Hz; resolution 200 Hz per division. Operational modes AFC-normal-BFO-USP-LSB-AM. Amplitude ranges 10 uv to 100 V full scale in 16 ranges. AFC: dynamic hold-in +/-3 KHz min @ 100 KHz; tracking 100 Hz/sec. Restored signal freq max output 0.25 V across 135 ohms. Requires 115/230 VAC 60 Hz; 10.3x15.8 x18.4, 50 lbs. Used-reparable w/book, \$250.

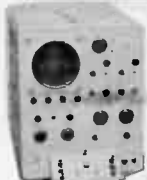


HP-851B/8551B SPECTRUM ANALYZER, popular unit covers 10.1 MHz-10 GHz; 60 db dynamic range on 7 cm display. 100 KHz-2 GHz spectrum width in 10 calibrated steps. IF center 20 MHz; width 1-3-10-100-1000 KHz. 150 lbs sh. Repairable w/BWO output, \$1500.00

HP-3460B DIGITAL VOLTMETER, 0-999.99 VDC; repairable, \$175.

MARCONI TF2300A MODULATION & DEVIATION METER measures FM over 4-1000 MHz & AM 4-350 MHz. FM deviation 5-15-50-150-500 KHz Pos or Neg. Used-reparable w/TF2300 book, \$555.00 \$495.

TRANSISTOR CURVE TRACE



TEKTRONIX 575 TRANSISTOR CURVE TRACER SCOPE, displays characteristics of junction and point contact transistors on 5" CRT. Collector sweep 0-200 V-peak with 1 amp current curves; 0-20 V, 20 A curves. Step generator volt increments 10 mV to 0.2 V/step in five ranges; current 1 ua to 200 ma/step in 17 ranges. Vertical plots collector current 0.01 ma to 1000 ma/div, 16 steps; multipliers/dividers extend range 0.001 ma to 2000 ma/div. Horizontal plots collector 0.01 to 20 V/div, 11 steps. Vertical & horizontal plot base volts 0.01 to 0.5 V/div, 6 steps; base current or source volts read from step collector switch. Requires 115/230 VAC 50-60 Hz; 16.8x13x24, 80 lbs sh. Used-reparable w/book, \$250.00

FM SIGNAL GENERATOR

SG-12/URM- FM SIGNAL GENERATOR, 19.5 TO 102 MHz FM IN FIVE BANDS WITH DEVIATION RANGES 0 TO 25, 50, AND 100 KHz; 1000 Hz MODULATION. ALSO IF OUTPUTS ON 1.4, 2.515, 2.65, 2.88, 4.3, 4.45, 5.0, 5.35, 15 MHz, PLUS TWO SPARE POSITIONS.

CALIBRATED OUTPUT VOLTAGES: 0.5 uv TO .01 VOLTS (RF); 0.5 uv TO 1.0 v (IF). OUTPUT IMPEDANCES: 10 OHMS (RF); 25 OHMS (IF). WITH 1 MHz AND/OR 2 MHz CRYSTAL CALIBRATOR MARKERS. POWER REQUIRED: 115/230 VAC 50-1000 Hz. SIZE: 12x18x12; SHPG WT: 85 LBS. Used, repairable, \$65.00; Checked, \$125.00 MANUAL, partial repro, \$12. TRANSIT CASE \$15.



10 KHZ TO 50 MHZ

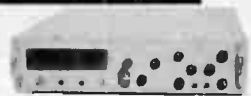


AN/URM-25F SIGNAL GENERATOR, covers 10 KHz to 50 Mhz AM in nine bands. RF output: 0.1 to 100K microvolts into 50 ohms; 2 V adjustable across high load impedance. Modulation 0-50%, 400 or 1000 Hz internal. 1 Mhz calibrator; designed accuracy +/-0.05% above 10 Mhz. Requires 115 VAC 50-100 Hz. 11x14x10 1/2, 44 lbs. Used, repairable, \$145. Checked, \$210.00

ACCESSORIES available w/purchase of URM-25F: BOOK-partial repro, \$10. DA-109 Dummy Load \$6 CX-2919 Test Lead Adapter, \$7.50 CU-406 Impedance Matcher, 500 ohms up, \$7.50 CU-408 Impedance Matcher, 70 ohms, \$7.50 ENG Cables, 6", \$1.00; 4 feet, \$1.50

FREQUENCY COUNTER

CP-929/US-245 FREQUENCY COUNTER, portable unit has seven Nixie display with frequency range of 1



Hz to 2.5 MHz; measures period, frequency ratio, and time interval between two signals. Common controls for Function, Time Base 1 uS-10 sec, and Display Time. Separate A and B controls for Trigger Slope and Level and 1-10-100 AC & DC Attenuators. Requires 115 VAC 60 Hz; 4x16.5x17, 22 lbs. Used-reparable w/commercial TSI-361 book, \$79.50



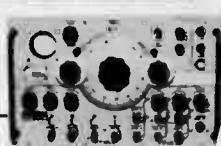
TS-505/US, ranges 0 to 2.5-5-10-25-50-100-250-500 Vrms plus 1000 VDC scale. Also X1 ohm thru X1 Megohm ranges. Response: 30 Hz to 5 MHz. With AC, DC, and Ohm probes. 9.8x9x6, 17 lbs sh; Used. Repairable, \$20. Checked \$45. MANUAL, partial repro, \$10.

ME-180/LSM-116, features 20 Hz to 100 MHz response (700 MHz using optional T-connector) and full scale ranges 1-3-10-30-100-300 Vrms plus 1000 VDC. 0.02 to 1000 MA DC range; resistance 1 ohm thru 1 Megohm. High frequency AC probe has 6923/EA52 tube. 7x8.3x9, 21 lbs sh. Used-reparable, \$45. Checked, \$75.00 T-CONNECTOR \$10 w/set. MANUAL, par-repro \$10.



FREQUENCY COMPARATOR

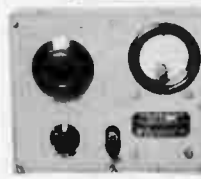
CM-312/USM-144 FREQUENCY COMPARATOR, used with frequency counters to determine with high accuracy frequencies from 10 Mhz to 12.4 GHz; similar to Hewlett-Packard 540A oscillator. Measures



CW, FM, and pulse modulated RF signals. Unknown signal is fed into USM-144 and is compared to a mixed frequency generated from a stable, continuously adjustable fundamental from 100 to 220 Mhz. Difference in the unknown is shown on 2" dia CRT (2EPL) display. Final determination of the input signal made by the zero beat of the fundamental multiplied by the appropriate harmonic. Requires 115 VAC 50-440 Hz; 13x19x13 1/2, 65 lbs sh wt. Used, repairable, \$99.50

TRANSIT CASE \$10 w/purchase. MANUAL \$10 w/set

AUDIO POWER METER



TS-585 AUDIO POWER OUTPUT METER. reads audio frequency power in milliwatts or in decibels referred to 1 MW in 600 ohms. Range: 0.1-5 MW (-10-47 db). 1-50 MW (0-417 db). 10-500 MW (410-427 db). and 100-500 MW (+20-+37 db). read on 7.5" meter. Input impedance: 2.5 to 20000 ohms in 40 steps. 2.5-3-4-5-6-8-10-12.5-15-20-25 sequence. Freq-range: 30-10000 Hz. 8.5x11.5x5.5. 16 lbs sh. Used-reparable, \$50. MANUAL for TS-585, partial repro. \$8.50

3.7 TO 8.4 GHz GENERATOR

POLARAD 1107 SIGNAL GENERATOR, 3.70 to 8.40 GHz CW, square wave, and sawtooth FM; has three place mechanical digital tuning. Output attenuator continuously tunable from 0.1 u-v to 300K uv. Internal square wave and FM rate 800-1200 Hz; FM sweep adjustable over 5 MHz most of band. 2/A713441 transistors and tube 4/OA2, 3/12AX7, EL34, 8068, A160011 Polarad #klystron. Requires 115/230 VAC; 5.3x16.8 x18.3, 50 lbs. Used-reparable w/book, \$350.



POLARAD 1108, similar to 1107 except 6.55 to 11 GHz, used-reparable w/book, \$365.00

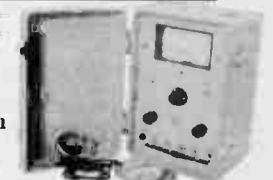
ELECTRONIC FILTER



SKL 302 DUAL VARIABLE ELECTRONIC FILTER has dual filter sections each with high and low pass filtering with high-low cut-off frequency range of 20 Hz to 200 KHz using decade scales X10-X100-X1K-X10K. High pass greater than 90 db limited by hum and noise; Low pass 60 db on X10K range. 90 db below 1 MHz. 60 db above. Insertion loss: 0 db +/- 1 db for 20-20K Hz cut-off; 0 db +/- 2 db for 20K-200 KHz. Input impedance 2 Megohms shunted by 32 pf. Out imped: 300 ohms. Max: signal in: 6 V peak. W/tubes 10/12AT7, 0A2, 6AV6, 2/6AV5 or 6A05. Requires 105-125 VAC 50-60 Hz; 5.2x19x13.6, 26 lbs. Used-reparable w/partial manual, \$75

TRANSIENT VOLTAGE

SREIBACH V200 TRANSIENT VOLTAGE INDICATOR, portable unit will monitor AC or DC line and indicate if a previously set voltage level has been exceeded. Ranges 0-100-300-1000-3000 volts and controls Meter Set, Reset, Transient Level Set, Polarity Pos/Neg, Charge On/Off. Requires six "D" cell batteries plus 115 VAC 60 Hz for battery recharge circuit. Batteries not available. With test leads, HV probe and front cover. 6x9x6, 9 lbs. Unused \$45.00



VOLTMETER-VLF RECEIVER



ME-71/FCC AUDIO LEVEL METER, covers 20 to 500 KHz continuously tunable. As selective detector, it measures RF carrier across a 135 ohm balanced or 600 ohm unbalanced line. Variable attenuator provides input sensitivities from -70 to -42 dBm indicated on 3 1/2" dia. meter. Includes 100 KHz calibrator. Input impedance: 10K ohms. Audio gain and two phone jacks. Various models ("C" pictured). Power required: 115 VAC 60 Hz. 17x14x9; 40 lbs sh. ME-71, w/NATIONAL-TYPE DIAL, USED, \$40.00 ME-71B, USED, REPARABLE, \$45. ME-71C, \$50. OPERATIONAL, ADD \$30. MANUAL, REPRO, \$8.50

8500-9600 MHZ TEST SET

TS-148/UP SPECTRUM ANALYZER, 8470-9630 Mhz with 3" CRT (3HP1) display. Measures frequencies of cavities, echo boxes, magnetrons, and local oscillators. Receives CW and pulse; transmits CW and FM carrier. 1 MW power output (2K25). Max. spectra dispersion: 1.5 Mhz/in. Requires 115 VAC 60 Hz. 19x13 1/2x25, 45 lbs sh. Used, \$50.00
 AN/UPM-33 TEST SET, includes TS-148/UP, wave guides, horn antenna, cables, transit case, and manual; 80 lbs sh. Used, \$85.00



RADAR TEST SET

TS-147F X-BAND TEST SET used to test radar and beacon equipment in 8500 to 9600 Mhz range; functions as signal generator, power and frequency measuring device. Generator output over band FM-CW-external modulation; -7 to -85 dbm RF output. Sweep variable from 0.2 to 6 Mhz; pulse repetition to 4000 pps. Freq-meter range 8470-9630 Mhz +/-2.5 Mhz. RF power level input: +7 to +30 dbm. Sawtooth sweep 0 to -100 V. Has 2.5" dia Milliwatt/DBM meter and 2K25 klystron. Requires 115 VAC 60-1600 Hz. 11.5x17.5x10, 40 lbs sh. Used-reparable, \$135.00
 AT-68 PICK-UP HORN, \$12.00
 UG-446 ADAPTER, UG-39 flange to N conn, \$12.
 UG-397 ADAPTER, UG-52A flange to N conn, \$12.



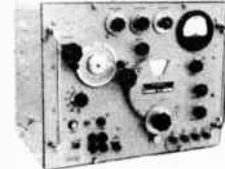
TRANSISTOR TESTER

HICKOK MODEL 1890M TRANSISTOR TESTER, checks transistors in and out of circuit. Collector leakage current (I_{co}) ranges: 0-50-500 ua and 50 ma. Collector current (I_c) 0-1-10-100 ma. Current gain Beta: 0-50-100-200-400. AC test signal 1000 Hz. Transistor input resistance range 50-10000 ohms; circuit input impedance 25-100000 ohms. Collector voltages 0-1.5-3-4.5 VDC. Has transistors 4/2N651A, 2N650A. Requires batteries (not supplied). Eveready 763 (23.5 V) and two Burgess 2370-ST (4.5-3-1.5 V). With partial repro of manual. 10x10x9 1/2, 18 lbs. Used-reparable, \$24.80 \$42.

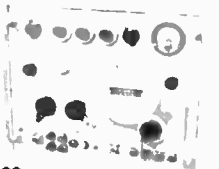


4 GHZ TEST EQUIPMENT

TS-403 SIGNAL GENERATOR similar to Hewlett-Packard 616B; 1.8 to 4.2 Ghz directly calibrated. Output 0.1 uv to 200K uv into 50 ohm load monitored on 3 1/2" round Power Level meter. Internal modulation 40 to 4000 Hz. External pulse-mod requires -40-+70 V; width 1 to 2500 usec squarewave or modulated. Requires 115/230 VAC 50-1000 Hz. 17x13 1/2x13 1/2, 70 lbs. Used-reparable \$185 \$165. MANUAL, repro \$10.

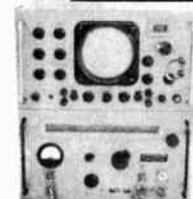


SG-557/TS-621 SIGNAL GENERATOR, 3.8-7.5 GHz; similar to HP-618. FM, CW, pulse or square-wave modulation. Pulse rate varies 40-4000 pps; width 0.5-10 usec. Output 1 MW into 50 ohms; 17.5x14x19.5, 110 lbs. Used-reparable with output, \$215.00
 MANUAL f/SG-557/TS-610, partial repro, \$12.



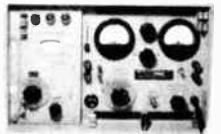
SPECTRUM ANALYZER

TS-1010/UPM-84 SPECTRUM ANALYZER, covers 10 Mhz to 44.88 GHz in eight bands; 5" 5ADP7 CRT display. Resolution at 3 db points: 20 KHz over range. Dispersion: 500 KHz-5 Mhz adjustable (10-55 Mhz); 500 KHz-25 Mhz (55 Mhz and up). Spectrum calibrator 160 Mhz center freq +12.5 Mhz. Sensitivity as low as -63 db (10-150 Mhz); 40 db (2.0 GHz up.) RF attenuation 100 db uncalibrated internal 10 Mhz to 12.4 GHz; external attenuators required above. IF attenuation 0-60 db in 6 db steps. Requires 115 VAC 60 Hz. 17.3x19x26; 180 lbs sh, 145 lbs net. Used-reparable, \$425. \$265.
 TRANSIT CASE, 75 lbs, \$15 w/set purchase.
 MANUAL, partial reproduction, \$15.00
 * * * * *
 ACCESSORY KIT including five bandpass filters for segments of 0.75-11.8 GHz range, three variable attenuators and three coax-to-waveguide adapters for 12.4-44.88 GHz, transit case \$85.00 w/set purchase.



50 TO 400 MHZ FM

SG-3/URM-70 FM SIGNAL GENERATOR, 50-400 Mhz in three bands. Internal modulation @ 100, 1600, or 20000 Hz. External: 250 to 75 KHz. FM deviation: 0-15-75-150 KHz (50-100 Mhz). 0-30-150-300 KHz (100-200 Mhz), and 0-60-300-600 KHz (200-400 Mhz). Output: 0.1 to 100K u-volts +25%. 50 ohms output. Requires 115 VAC 60 Hz. 15x11.5x17.3; 90 lbs. Used-reparable, \$165. Checked, \$235. MANUAL for URM-70, partial repro, \$10.00



HP-614A UHF SIGNAL GENERATOR, 800-2100 Mhz CW, FM or pulsed in single band. Attenuator range: 0 - -127 db (0.223 V to 0.1 uv); output 0.5 mw into 50 ohms. Internal pulse modulation 40-4K per sec variable repetition rate; length 1-10 usec, delay 3-300 usec. Requires 115/230 VAC 50-1000 Hz. 13.6x17.3 x13.3; 70 lbs sh. Used-reparable. \$250.00



MINI-500 MEGGER

JFC MINI-500 OHMMETER-MEGGER, portable unit useful in insulation and ground tests. Has hand crank generator for supplying test voltage, 0-1000 ohmmeter, and function select: OHMS-100 V (M /5)-250 V (M /2)-500 V (M X1)-1000 V (M X2)-DISCHARGE. Includes carrying case; meter is damaged. 4.2x6.1x5.10 lbs sh. Used, AS-IS with output, \$39.50



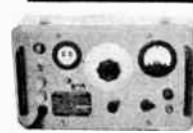
2400-3400 MHZ WAVEMETER

TS-117/GP WAVEMETER TEST SET designed for frequency measurements between 2400 and 3400 Mhz. Used to measure antenna radiation, local oscillator frequencies, relative field strength, and relative output. Q from 1800 to 2000. Includes 50 u-ammeter, sensitivity vernier, and frequency micrometer with conversion tables. Accessories AS-23 directive antenna, UG-183 cable, UG-57 and UG-131 adapters and transit case. Uses N connectors. 5x6x7, 15 lbs sh. Used w/transit case, but less accessories AS-23, UG-57-131-183, \$28.



SOLID-STATE OSCILLATOR

AN/URM-127 SOLID-STATE AUDIO OSCILLATOR, 20 Hz to 200 KHz in four bands. Metered output 0-10 Vrms in to 500 or 1000 ohms in 7 decade ranges. Design accuracy +/- 2%; stability +/- 0.5%. Requires 115 VAC 50-70/380-420 Hz. 7.5x13x4.5, 15 lbs sh. Used-reparable, \$65. Checked, \$115.00; MANUAL partial repro, \$10.



FR-149 FREQUENCY METER

FR-149/USM-159 TRANSISTORIZED FREQUENCY METER, covers 125 KHz to 1000 Mhz in three ranges: 125 KHz-2.5 Mhz, 2.5-65 Mhz, and 65-1000 Mhz. CAN BE USED AS A SIGNAL GENERATOR BY PROVIDING EITHER MODULATED OR UNMODULATED SIGNALS. FREQUENCY FUNDAMENTALS READ DIRECTLY FROM MAGNIFIED AND ILLUMINATED CALIBRATED FILM STRIP AND THEN INTERPOLATED IN ACCOMPANYING CALIBRATION BOOK. OPERATES FROM EITHER SIX "D" CELL BATTERIES OR FROM 115/230 VAC 50-450 Hz. SIZE: 11x11x13; SHPG. WT: 33 LBS. Used-reparable \$99.50 \$75. Checked \$200 \$115



500 KHZ SCOPES

HEWLETT-PACKARD 130C OSCILLOSCOPE, 500 KHz bandwidth on all ranges plus 0.2 mv/cm sensitivity for X and Y amplifiers making it especially useful for phase measurement. Has large easy-to-view 5" dia CRT. Sensitivity 0.2 mv to 20 V/cm in 16 calibrated steps, 1-2-5-10 sequence; vernier to 50 V/cm. Sweep 1 uSec to 5 S/cm in 21 steps; vernier to 12.5 S/cm. Also 350 Hz squarewave calibrator, X2/X50 magnifier, auto triggering, beam finder; with partial repro manual. 115/230 VAC 50-1000 Hz; 7.3x16.8x18.5, 38 lbs sh. Used-reparable, \$135. Checked, \$195.00



TS-1060/TDA-2N TTY TEST SCOPE, measures bias and distortion of start-stop synch-telegraph signals on 3HP1 CRT. (Could be foundation for cheap general purpose scope!) Input impedance 100 ohms for 60 ma neutral; 30 ma polar. 115/230 VAC 60 Hz; 8x8x15, 24 lbs sh. Repairable, \$28 \$25. MANUAL part-repro, \$10.



AUDIO TEST GENERATOR

HEWLETT-PACKARD 205AG AUDIO SIGNAL GENERATOR, has two voltmeters to measure input and output of unit under test plus 0-40 db in 5 db step input attenuator and 0-110 db in 1 db steps. Response: 20 Hz-20 KHz; output 5 watts max into selectable 50, 200, 600 or 5K ohm loads. Requires 115/230 VAC 50-1000 Hz. 12.8x20.8 x15.5, 63 lbs. Used-reparable w/book, \$125.



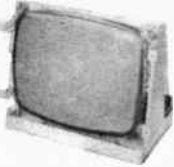
ME-6D/U VTVM, covers 0.005 to 500 V-rms in six ranges and -65 to 57 db. Built-in 15 Hz-250 KHz wide-band amplifier with max. voltage gain of 4500; minimal distortion to 23 VAC output. 115 VAC 50-400 Hz. 11x6x5 1/2, 14 lbs sh wt. Used-reparable, \$20. Checked, \$40. MANUAL f/ME-6D, partial repro \$8.50



PRICE REDUCTIONS ON COMPUTER SURPLUS!

GREEN MONITOR

12" diag-GREEN COMPOSITE MONITOR, high quality unit made for Commodore featured in our Summer '85 Supplement. We bought more at a lower price and are passing on the \$5.00 savings. Has Amperex M31-3346R CRT and fiberglass PC board; sturdy steel frame allows easy attachment of your constructed enclosure. Requires 12 VDC 2 amps; manufactured in late 1984 by Elston Electronics. 10"Hx12.8"Wx11"D; 18 lbs #DM-30-WDSR, NEW w/schematic, \$39.95 \$29.95



MICROFORM DATA 9" MONITOR comprised of Motorola XM227-17 composite black and white monitor suitable for use with video camera or as a computer monitor. Hidden control for contrast and brightness; also On/Off switch, 75 ohm or high impedance input (BNC connector), and ivory case with green base. Requires 115/230 VAC 60 Hz. 16.5x9.5x10.5, 22 lbs. #MD9-MDN, used-good condition \$35.00



TI-1766 CALCULATOR

TEXAS INSTRUMENTS TI-1766 POCKET CALCULATOR with add, subtract, multiply, divide, square root, and memory functions which most of us use all of the time. Has excellent key action not found on the annoying throwaway cheapies. Solar-powered; LC display. NEW, \$7.95



COLECO JOYSTICK

COLECO JOYSTICK/CONTROLLER, features joystick with two independent fire buttons and 0-9, #, # keypad. One foot coil cord extends to 3 feet, DB-9 connector as on popular joysticks. Output lines are diode matrixed, but may be rewired for popular computer/game machines. 2 lbs; #JS-CO-CO, \$3.00 ea. 2/\$5.00



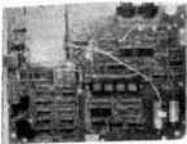
50K JOYSTICK

JOYSTICK with four 50K ohm potentiometers having fixed center-taps; smooth ball action. Brushed aluminum handle; 2 1/2"x2 1/2"x2 1/2". #JS-50K-LIB NEW \$5.95



BALLY ARCADE BOARD

Part of home arcade game; has Z80 CPU, 2364, 8/4027, 7416, DM81LS95 and 74-series LS00, 2/LS02, LS04, 2/LS10, 2/LS74, LS174, 2/LS257, LS376; 14.318 MHz xtal and other parts. No data; 8.5x11, 2 lbs. #Z80-90701-8620, NEW \$4.50



DATA CASSETTE

DATA CASSETTE RECORDER, adaptable for use with most microcomputers having RS-232 input. Functions: Eject, Record, Rewind, Ready, Forward, Stop, Read from Tape, and Write on-Tape. Tape speed 1-7/8 ips, 4-track 2-channel. Similar to Monroe Model 392. Requires -12 -3 45 V. Includes 5' cable w/DB-25P plug & book. 8.5x5, 4 lbs sh. #DC-REC, unused, \$29.95 \$15.



#217-244 CONTROLLER CPU for printer; has 8085 MPU w/5.7143 MHz xtal, socketed IC's 2/8255A, 8253, 8212 4/8205, 9/3341 FIFO, 4/2111 7400, 3/74LS00, 74LS125, 74LS161. Sockets for 6/2708 Req +5, -5, +12 VDC; \$15.00



DATA COMMUNICATIONS

COMMUNICATIONS PC ASSEMBLY from a premier U.S. mfg; appears to be a high power modem deck featuring socketed 9P34C132 & PP34C-103 special EPROM and five 2716's plus soldered 8085 CPU and 8155 I/O-timer. Has 8 push switches, 8-LED indicators, and two 8-pgs DIP switches on front and five DEC-25 connections on rear. Also 70+ Cmos, 74LS, and six 16-pin IC's, 4-transformers, 3-inductors, three 24 VDC relays, and 18-432 total parts for experimental use only. No info available. 7.3x11 x3, 5 lbs. #RM-4401-246AE, used, \$14.95 \$9.95



WHISTLE/SOUND ACTIVATED

WHISTLE/SOUND ACTIVATED SWITCH, alternates on-off latching operation. Can be used to control lights, TV commercials, robots, etc. Ten transistors; 8 1/2x3-1/8 circuit board with micro-phone and schematic. #AST-968S3, \$1.50 each.



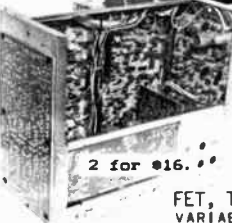
TIME-TEMP SIGN PCB'S

SCR/TRIAC CONTROLLER BOARD with seven each 400 V 4 A SCR's and 200 V 6 A triacs. SCR's trigger the triac gates with a 50 m-sec 16 V pulse that holds all triggered triacs "on" until 24 VDC to SCR's is reset. Originally p/o time-temp sign. 6x6 1/2, 1 lb. #ASI-CMC27, w/schematics \$5.50 \$3.



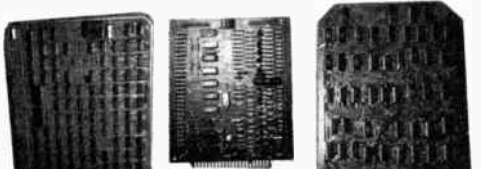
FISH TANK

FISHTANK OF ELECTRONIC COMPONENTS, P/O VIDEO TAPE SYSTEM. CONSISTS OF DEMODULATOR, SERVO-AMP, DROPOUT COMPENSATOR, PER/POST PROCESSOR DC POWER SUPPLY (115 V 60 HZ; OUTPUT -12/-12 IAMP REG, 5 VDC 1 AMP UNREG. MANY PARTS, IC's FET, TRANSISTORS, TRANSFORMER VARIABLE RESISTORS, CAPACITOR MORE! SIZE 14x12x6 1/2 WT 15 \$9.95



CONTROL ASSEMBLIES ON 9x4 HEATSINK. USED, EXCELLENT YIELD ON SEMICONDUCTORS. SHPG WT. 4 LBS EA. SIMILAR TO PICTURE ORDER BY NUMBER

TRANSISTOR CONTROL ASSEMBLY WITH DIODES. 8/TO-3 60V (SIMILAR TO 2N3055) AND 8/TO-66 (SIMILAR TO 2N3054) 60V TRANSISTORS, 8/0.4 OHM 5W AND 8/30HM 3W RESISTORS, 8/00-4 DIODES WITH INSULATED MOUNTING HARDWARE. #7729 \$2.75
TRANSISTOR CONTROL ASSEMBLY, CONTAINS 8/TO-3 AND 8/TO-66 AND EMITTER RESISTORS AS ABOVE. SMALL DIODES AND RESISTORS #0425 \$2.40



CMOS #84293: 3/4001, 2/4002, 5/4009, 2/4010 4/4011, 2/4012, 7/4013, 4021, 2/4022, 7/4023 2/4025, 2513 A 64x8x5 CHARACTER GENERATOR 7417. 9x7 1/2, SH WT 2 LBS #84293 \$5.95 \$3.
CMOS-K1; 6/4008, 4/4009, 4/4011, 2/4012 7/4013, 9/4016, 5/4022, 2/4023, 4024, 5/4040 9x7 1/2, SH. WT. 2 LBS #CMOS 84292 \$5.95 \$3.25
CMOS #14007; 4/4001, 2/4011, 2/4013, 4042, 4558 DUAL OP-AMP, 23 TRANSISTORS, MANY RESISTORS, CAPACITORS. 1 LB #14007 \$2.95 \$1.25

LAP-TOP PROCESSOR

LEXICON LAP-TOP WORD PROCESSOR, true 5.3x 10.5x1.8 lap-size unit features 14KB usable word processor memory, 300 baud modem, and nicad battery power or 115 VAC. also has calculator and digital clock functions, single-line LCD display, "chicklet"-style QWERTY keyboard, and peripheral output DB-37 connection. User can create, store, and search upto 20 separate files; battery power can maintain files for over two weeks if necessary. The onboard modem allows data to be transferred over the phone to a remote computer and also permits access to subscription info services such as EasyLink and Dow Jones Financial News. Although it utilizes a low power Z80-type CPU, the lap-top word processor is not a computer in that it cannot be used to develop and run programs. However, for those who's primary computer usage is word processing, the Lexicon is a convenient tool. With modem cable, batteries, battery charger, and operation book; 30 day warranty for purchase price refund. 4 lbs sh; #LEX-LT-WP, NEW, \$109.95 \$65.00



AUGAT PROTO PC BOARDS

AUGAT UNIVERSAL IC PACKAGING PANELS for prototyping circuits using 14- and 16-pin IC's; usable with sockets or larger IC's (40-pin) by straddling rows. Each has gold plated wire-wrap contacts, V & G sleeves, and 1/16" thick glass epoxy. Mating connector not available. NEW: #8134-UV-1 12 1/2x5 1/2x5 1/2 \$32. #8136-UV-2 2 1/2x5 1/2x5 1/2 \$29.50 \$60 (Current Augat catalog list \$85+ and \$180+!)



48 TPI DS-DD DRIVE

MAGNETIC PERIPHERALS 9428 DISC DRIVE, 1/2 height 48 TPI double-sided double-density; usable with the IBM PC and its many clones. Black front plate; 4 1/2" x 5 1/2" x 1 1/2" #922, NEW \$95 \$65
#925 1/2-HT 96 TPI DS-DD \$66.00
#9408, full-HT 48 TPI DS-DD, \$95 \$65



HOSPITAL INTERCOM BOX

INTERCOM CONTROL BOX an experimenter's delight, this item was part of hospital desk-patient communications system. 8x5.6x2 aluminum box has Licon 10 amp lighted-push switch, one SP momentary 0.8" sq, one SP 0.8" sq and one SP 0.8"x1.5", a 16 ohm 8 ohm speaker, volume control, and x4.5 circuit board. PC board has socketed Sigma 70R Series 2 amp relays 2/4PDT and 1/4PDT, two 1/4" 47K 2000 ct; 16/8/4 ohm AF transformers, and socketed IC's LM311, 2/LS337, MC14001, MC14011, MC14028, MC14042, MC14585, 3/HCC319 ULN20D4; 4 lbs sh. #MID-IC-BX, used, \$9.95 \$6.95



CABINET & CARD RACK

CONTINUITY SCANNER, General Engineering BSR Dual 192j; has 5 VDC power supply with Signal #241-7-16 16 VCT 3.5 A transformer, adjustable card rack, 8 circuit cards which contain 170 (50 socketed) CD4000 /74LS-series IC's including 52 UHP-400-1 Quad 2 input power driver, five miniature toggle switches, and nice modern cabinet. Interesting experimenter info and/or good parts source. No further info. Panel 8.75x19 x13, o/a 11x20.5x14.5; 35 lbs. Used, \$39.50



AMBER DISPLAY

9" DIAGONAL AMBER VIDEO DISPLAY made by Elston for the Columbia Data portable; includes CRT and circuit board. Not composite; requires external horiz-drive & vert-synch and reg +12 VDC. 6 lbs. #AMB-CLA, NEW w/schem., \$22.95 #DM30-0980415-C31, as above but green \$17.95

SEMICONDUCTORS

8085 CPU, \$2.50	2114 RAM, \$1.00
3341 FIDO, \$1.50	AY5-1013, UART \$2.95
RC4558 2-op-amp 4/81	CD4069 CMOS, 3/81.00
S14K-130 20 A MOV \$1.	CL903L Cd-Se photo 4/81
FPA103 light reflective transducer, \$.75 ea	

LM-340T12 with heatsink \$1.25
LM177 2-17 V reg \$1.50 LM18N op-amp \$1.50
MPSA14 NPN darl 5/31.
2N2222A NPN 6/32. 2N4126 PNP lo-no 6/31
2N6346 unijunct 75¢ TIP120 NPN darl. 75¢
TIP140 NPN darl. 95¢ TIP142 NPN darl. \$1.00
TIP145 PNP darl \$1.00 7808 8 v reg., 3/31.

DIODES & BRIDGES

new/unused removed f/equip:

- #KBP25-02 or like, 25 A 200 V bridge, \$2.
- #KBH25005, 25 amp 50 volt bridge, \$1.35
- #KBP6005, 6 amp 50 volt bridge, \$1.00
- #KS19404 DIODE 100 V 50 A; no heatsink \$2.

1 AMP 50 FIV 20/31.	35 AMP 50 FIV \$1.80
400 FIV 15/31.	100 " 2.10
1000 FIV 10/31.	400 " 3.25
5 AMP 800 FIV, \$1.75	1N3890 100V 12A 4/30.

1N21 diode, \$1.00 ea
MR-Series, 6 amps:
MR752 200 " \$1.10 1N2974B, 10 W 10 V
MR754 400 " 1.25 5/8 stud mt. \$1.25
1N1367RA ZENER, 10 W 18 V 5/8; rev-polarity \$1.
VAKO VTA200/S 200 V 25 amp bridge rectifier, c.t. cathode, stud mount, \$1.00 ea. 4/83.
#50-100A RECTIFIER, 50 V 100 A conservative; no hardware or pitail. House #; 2x1". \$2.
#30084-A (-AF=reverse) DIODE, 200 V 84 A, \$5.

LED'S

RED, T-1 1/2 size 8/31. GREEN 6/31.
DARK RED, HP5082-4697, 6/31.00
7-SEGMENT NUMERIC DISPLAY, common anode, left-hand decimal HP5082-7730 \$1.
SLA-2 DISPLAY; .33", - or -1 and 1, 2/\$1.00

IC SOCKETS

8-pin low-profile 5/\$1.
14-pin wire wrap 6/\$2.
14-pin standard 5/\$1.

16-pin stdn. 4/31.	16-pin l.p. 5/31.
18-pin l.p. 4/31.	20-pin l.p. 35¢ 3/31.
22-pin l.p. 3/31.	24-pin l.p. 40¢ 3/31.
24-pin stdn. 50¢	28-pin l.p. 45¢ 5/32.
28-pin stdn. 60¢	40-pin stdn. \$1.00

JUMPERS

PCB jumpers, unused.

44-40P2; two 40-pin, 23" long,	\$4.25 \$3.25
43-16P1; one 16-pin, 12"	1.50 3/33.
44-16P2; two 16-pin, 48"	3.00 2.40
43-24P1; one 24-pin, 12"	2.00 1.50
60-24P2; two 24-pin, 2 1/2"	2.50 1.75

RS-232 CABLE

5 ft 25-conductor with male DB-25P and female DB-25S; 3#. #CB-RS232-5 used, \$8.

TEXAS INSTRUMENTS SEMICONDUCTOR MEMORY DATA BOOK (1975), 272 pages, \$1.00

COPPERCLAD PCB

SINGLE-SIDE copperclad etching board for making printed circuits. Phenolic (PH) or fiberglass (FIB) backed;

- #PH-4"x18", \$.75 ea; 4/\$2.50
- #PH-16"x18, \$2.75 ea, 5/\$10.
- #FIB-16x18 single-sided, \$3.50 ea, 5/\$12.
- #FIB-15x12 double-sided, \$2.65 ea, 5/\$11.

VERY THIN COPPERCLAD, less than half thickness of above; easily flexed to make cylinders, RF shield, or laminates; fiberglass core. Single-sided (SS) or double-sided (DS).

Size	Th	Price	Size	Th	Price
#VTC-3S	14x18	.019"	\$1.75	18x24	.015" \$2.25

BUY 5 or more one type, take 20% off price.

8088 PROCESSOR BOARD

BETACOM PROCESSOR BOARD. Originally part of the Pro Communications box above; we do not know its designed capabilities, but it is "loaded" with popular components such as socketed 8088 MPU, 8203-3, and eight 27128-45 EPROMS. Also soldered 4/8255A, 7/8255-5, 2/8255A-5, 8259A, 8284A, 8/4164-20 DRAM's, and 35+ assorted 74-, 74LS-, and 14-Series IC's. Sockets for additional five 27128; 2.4 V Ni-C battery; 14x10, 3 lbs sh. #8088-PCB, NEW, \$48.00 \$38.

CORTRON KEYBOARD

with Ferrite core key switches. Has standard 54-key typewriter format, 12-key numeric pad, and 17 entry keys (4 unmarked). Buttons: acotch-brown and beige keys; looks like car input. With 1.5 A 2/7403, 7405, 74105, 74105, 743287, 5/741300, L302, 2/LS04, 2/LS10, LS08, LS11, LS14, LS20, 4/LS74, 2/LS93, CA3086, MC833P, and 80-551276 controller. Requires +5 and -12 VDC; No further info. 6 1/2x11 1/2, 4 lbs. #55-500166 NEW \$21.95 \$9.

SPERRY KEYBOARDS

84-KEY MICRO-SWITCH KEYBOARD, standard and qwerty format with 3 keys numeric keypad; 15 red control keys. IC's 74-10667 MC836P, SW-20339K controller. Gray keys and case; 7 1/2x17 1/2x2 1/2 4 lbs. #2-3011-4 \$21.95 \$12.
#8120302, same as #84-SD12-14 except with Japanese KANA symbol characters; New \$24 \$15.

8048 CPU KEYBOARDS

MICROPROCESSOR CONTROLLED KEYBOARDS. features P8048 controller, an 8-bit CPU, ROM, RAM, I/O package with 128 ROM, 64x8 RAM, and 27 I/O lines. Compatible with 8000 Series peripherals; 5 V required.

74-123 MICROSWITCH KEYBOARD, compact unit with 3 keys and standard qwerty format plus control keys. Erase Display, In Display, Delete in Line, Insert, EOD Erase, EOL Char Erase-Xfer, Ctrl Page-Print, On/Off Msg-Wait, Cursor direction, etc. IC's 74H04, 7442, 8048 5.904 MHz xtal 27 cord w/DEC95, 9.5x15x2, 5 lbs sh. #2825479, NEW, \$24.95 \$12.

CORTRON 110-KEY MULTI-FUNCTION KEYBOARD

with qwerty format. 10-key numeric pad, cursor control keys, and 17 function keys: "Delete, Insert, Erase, Print, Xfer, Print, Board Unload, Control Page, Abort, FCC Clear/Search Function, Page/Status, Pcb Generate/Msg Wait, Hang Up, and other. IC's CD4051, LM197, 74LS00, 74LS04, 74LS09, 74LS09, 8048; 6.00 MHz crystal. One of two models have "reject." 7.3x19-1.5, 5 lbs. #2825479, \$14.95 \$9.

SATELLITE TV RECEIVER

KLM SKY EYE X SATELLITE TV RECEIVER with 4 GHz to 70 MHz DOWN CONVERTER, receiver continuously tunable 0 thru 24 on 3.5" linear dial. Has front panel controls Power, AFC, Polarity, and Audio Tune plus LED indicators for Signal Strength, Power, Center Tune and AFC. Rear outputs for Down Converter, Ant Pol Cont., Audio Out, Video Out, Channel 3/4, Output to Stereo Processor, Video Invert, RF Out and IF In. Inexpensive spare! 2.5x 12.6x9, 14 lbs sh. Unused w/info, \$59.50

BETACOM PROJECT BOX

BETACOM PROFESSIONAL COMMUNICATIONS MANAGER BOX, originally when it had all of its circuit boards, unit controlled serial and/or parallel printers, CRT, and 300/1200 baud modems. We are offering the 4.8x10.8x15.8 enclosure only with 5 V 3 amp modular and a small +/-25 V power supply as a project box. Nice clean front panel. Circuit boards available separately; no info. 16 lbs sh. #PCM-BOX, unused, \$24.95

MULTITECH MODEM BOARDS

300 BAUD ORIGINATE/ANSWER MODEM BOARD designed to operate in asynchronous mode 0-300 bps; part of Multitech MT-103J, a quality Bell 103 compatible modem. Has RS-232C interface and LED indicators for Receive Data, Transmit Data, Ring On, Clear to Send, Data Set Ready, On Hook, Data Terminal Ready, Ring Indicator, and Off Hook Service. Also toggle switches for Analog/Loop/Out of Service, Digital Loop Half/Full Duplex; DIP switch for ASCII Auto Answer, Receive/Send Space Disconnect, Forced DTR, Loss of Carrier Disconnect, ANLR when DCS; FCC registered. Requires +/-20 to 25 VDC and +5 VDC; onboard regulators for +/- 12 V. 11x5.5; 2 lbs sh. #MT103J, NEW w/pinout \$24.95 \$12.50

TI-742 PROGRAM TERMINAL

TEXAS INSTRUMENTS 742 PROGRAMMABLE DATA TERMINAL. ASCII terminal with 1200 baud modem card which allows data to be recorded onto digital-grade magnetic tape cassettes and later transmitted to another terminal or central computer. Keyboard has 68 printable and 33 control characters plus key-punch-type numeric cluster. Printer utilizes 5x7 dot matrix head and prints on 8x11 thermal paper. Dual cassette deck storage 288K characters/cassette min; 800 BPI, 86 character block phase-encoding. Off-line playback or record @ 30 char/sec; tape duplication @ 200 char/sec. On-line play/record @ 110, 150, 300, or 1200 baud. Requires 115 VAC 60 Hz; 14.6x21.2x19.5, 70 lbs. Sold "AS-IS" used-complete w/info, \$89.50; less modem card \$55 ++++++

PRINTER TERMINAL only from TI-742 less modem card; modify for stand-alone use. 45#; \$30. DUAL CASSETTE DECK with control panel from TI-742; 32 lbs sh. #2CD-TI742, used, \$35.00

TI-732 KSR DATA TERMINAL

similar to 742 printer but for TTY communications. Five level baudot code, 20 ma neutral loop. Send-receive speeds 50, 75 or 100 baud (6.67-10-13.33 cps). Upper case only 37-key QWERTY keyboard; 55 printable characters & 5 print functions. Adapt to RS232C interface or acoustic couplers; 45 lbs. Unused, \$135.00

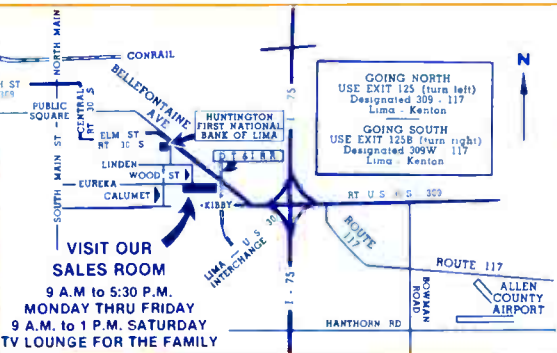
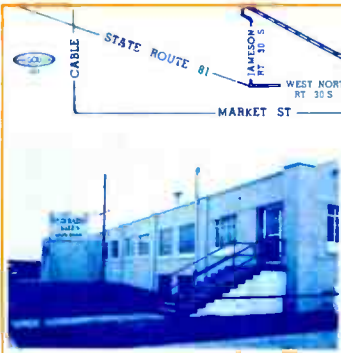
KEYTRONICS PC KEYBOARD

KEYTRONICS S1-SERIES KEYBOARD used with Columbia Data personal computer and fully compatible with IBM and "clone" PC's.

QWERTY format, numeric pad/cursor, 10 function keys; low profile, almond color with coil cord & connector. Units slightly used with minor "scuffs" but test "OK". 7.5x17.5x2, 7 lbs sh. #CD-KEY-51, \$49.95

SIDE-CUTTER

BAHCO PRECISION SIDE-CUTTER for close cuts of 1.2 mm copper wire. Joint pressure adjustable; cut ends retained by wire holder. Top quality; Swedish-made. 4.5"L, 2 lbs. #B-SC-2132-4, NEW, \$8.95



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COLLECTOR BULBS

We just discovered a group of large and/or unusual old aircraft and projection lamp bulbs whose glass and "simple but elegant" filaments recall a charm and beauty not unlike that found in old collectible radio tubes. All unused w/mogul base; may or may not work:

- WESTINGHOUSE AVIATION 500 W 230 V (pic 1), 9.8"Hx4.6" dia; 2 lbs. #W500-230-1, \$9.00
- GE AIRPLANE HDLT 12V 240W, 3.6x2.3 dia \$3.
- WESTINGHOUSE ON-COURSE BEACON 500 W 125 V T20 bulb (pic 2); 9Hx2.5 dia #W-OCB-2 \$6.
- EDISWAN PROJECTION (2) 6-8 amp 200 W, 5.3x1.4" dia; #E-PR-8-200-2, \$3.00
- GE 30 W 240 V; 5.3x1.3" #GE30-240-2S, \$2.
- T-8 BULBS (like pic 2), 3.4"Hx1" dia:
- GE PROJECTION 200 W, #GE-PH/200T8SC, \$2.
- RADIANT mfg PROJECTION, #R-200/TC8, \$2.
- SYLVANIA BLUE-TOP PROJECTION, #CCB/CEW, \$3
- GE PHOTO MICROGRAPHIC (pic 3) 11 V 30 A 2-prong base; 6.3"Hx2.6" dia. #GE-PH-MI, \$5.

BRAKE LIGHT

AUTOMOBILE BRAKE LIGHT, 5.5"W x 2.8"H red lens on black plastic stand; top swivel adjusts light angle. German made; o/a 7.5"H max, 2 lbs sh. #BL-G10005, NEW, \$3.95 ea

CRANK GENERATOR

G-25 HANDCRANK 20 HZ GENERATOR, sealed-can type from field telephones; use to ring phone bells or experiment. 4"x2.5" dia; 3 lbs. Checked, \$15.00

SWIVEL CASTORS

HEAVY-DUTY SWIVEL CASTOR 3" dia x 1-13/16" thick with 4x3 mounting plate; ball bearing-ed swivel. Used-good condition; 10 lbs sh/set. #IS-3-CAST, \$12.50/set of 4

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KTAL IMPEDANCE METER

TS-330/TSM CRYSTAL IMPEDANCE METER, measures parameters of 1 to 15 MHz quartz crystals, measures series resonant and anti-resonant resistances, and provides performance index of crystal activity. Ranges 0-1.5, 1.5-2.25, 2.25-3.4, 3.4-5.1, 5.1-7.5, 7.5-10.0 MHz. Resistance calibration 0-100 ohms (10 steps), 100-990 ohms (100 steps), 1000-9900 (1000 steps). Load capacitance 12-110 pf using 0-100 dial and calibration chart. Requires 115 VAC 50-1000 Hz. Similar to RFL Model 459; gray or black color. 7x19.5x8.3, 30 lbs sh. Used-reparable, \$165. MANUAL for TS-330, partial, repro, \$12.00

FIELD DAY ANTENNA KIT

3 in ONE PORTABLE ANTENNA KIT ideal for "field day" DXing. Comprised of GRC-9 2-12 MHz antenna gear combined in single package. Includes AT-101-102 long-wire (#15 stranded-copper) antennas with insulators and clips for adjusting frequency; 5-section 15 ft whip (3/MS-116, MS-117, MS-118) with IN-127 base; plus CP-12-13 counterpoise for 15 ft radial ground plane. Also guy ropes, 4 guy stakes, & CW-419 canvas carrying bag. NATO-surplus; 22#. #FD-GRC-9, used-good, \$49.50

EXTENSION BELLS

TELEPHONE EXTENSION BELLS, ring by using 20 Hz generator or telephone handcrank generator (90 V 20 Hz); replacements for field phones, magneto phones or other aural signaling devices. Removed from equipment: MC-131 BELL, double-coil type used in EE-8 field phone; 3" dia X 1.8"H, 1 lb, \$6.95 ea VP-2-1 BELL, single coil used in C-433/434 control; 2" dia X 1"H, \$5.95

SINGLE SIDEBAND TEST

SG-376 TRANSISTORIZED TWO-TONE I.F. SIGNAL GENERATOR for testing SSB equipment. Has two 20 Hz-20 KHz audio oscillators and two independent IF oscillators. IF outputs: 497.5, 498.5, 501.5 or 502.5 KHz only plus 497.5 & 498.5 or 501.5 & 502.5 KHz simultaneously. Output levels: 2-2.5 V into 600 ohms (AF); 1-1.25 V into 60 ohms (IF) with attenuation to 100 db in 1 or 10 db steps. Requires 115 VAC 50-450 Hz. 5.5x19x11, 35 lbs. Used-reparable \$95. Checked \$155. MANUAL \$10

UHF BROADBAND DIPOLE

AT-803/VR CENTER-FED BROADBAND VERTICAL DIPOLE ANTENNA for 225-400 MHz; p/o VRC-24/TRC-68 UHF radio equipment. Female N RF connection; 9.3"Lx2.3" dia, 3 lbs sh. Used, \$15.

CABINET & STAND

ALUMINUM POWER AMP CABINET, p/o military power amp; ruggedly-built for your "heavy" project. 26.5"Hx20.75"Wx20.5"D unit has front door that can be removed for drilling rails to mount 19" rack equipment; two internal fixed rails for extra support. Exterior 3.5" dia meter & range switch indicates 400 MA DC, 3 A AC, 3000 VDC and 600 VDC. Inside 5" axial fan, ON-OFF switch and circuit breaker. 75 lbs sh; motor freight only \$hpg. #CAB-AM2353, unused, \$35.00

SG-823/URM-144 TWO-TONE REFERENCE GENERATOR

SG-823/URM-144 TWO-TONE REFERENCE GENERATOR for measuring receiver sensitivity and SSB transmitter distortion. Has two RF outputs usable independently or in combination without intermodulation effects. Outputs 2, 3.6, 4, 7.2, 8, 14.4, 16, 28.8 MHz at 100K u-volts max into 50 ohms. Freq adjust +0.05% (A), +0.0025% (B). Requires 115 VAC 60 or 400 Hz. 5.5x19x11, 35 lbs sh. Used-reparable \$90. Checked \$146. MANUAL \$10

SG-376 and SG-823 designed for use with TS-1379A Spectrum Analyzer on page 33.

ACCESSORY BAGS

all CANVAS in nice usable sizes to carry or store different items; used-good condition:

- BG-172 RUCKSACK BAG, adjustable shoulder straps for backpack carry; 13x13x10 with two external pouches 12"Lx10"H and 12x4 plus four small internal pouches. 6 lbs sh., \$6.00
- BG-186 BAG, thin 9.8x14x4 size with three internal compartments; snap closure and strap, 3 lbs sh., \$5.00
- CW-189 BAG 9x10x10 with two-snap cover and carrying strap; p/o GRA-6, 3 lbs. \$7. \$4.50
- CS-76 BAG, similar to CW-189 except 7x10x8 with strap closure, 3 lbs sh., \$4.00

PRINTER STAND/COMPUTER CABINET

with 24.5"Wx12"D top for mounting printer or other equipment plus large bottom-hinged door to access interior. ON-OFF switch controls interior 6-outlet AC strip with 6 ft 3-conductor AC cable. Black-krinkle finish; 23.8"H, 50 lbs sh. #PS-TTY, unused, \$22.95

BIRD WATTMETER

BIRD 6104 THERMALINE WATTMETER, compact unit measures 50 ohm output ranges 2-6-20-60 watts over 25-512 MHz. Has dual scale meter with Black-Red Scale switch and selectable X1 or X10 elements; N connection. 6x3.8x8.6, 8 lbs sh. Used, \$115.00

WORLD'S FINEST

ELECTRONIC SURPLUS

SG-376 Signal Generator



SG-376 Low Frequency Signal Generator covers 20Hz to 20KHz. Has two variable frequency audio signal generators and two dual-frequency interediate radio frequency (IF) signal generators. The AF and IF signal outputs are independent of each other. Generates two separate AF signals which can be used independently, one at a time, or both can be added for simultaneous use. It also generates four different, unmodulated IF signals which are available independently, one at a time, or in specific pairs simultaneously. 19x12.5x5.3, 18 lbs sh. #SG-376. Used Checked, \$225.00

7 foot Balloon



7 foot Weather Balloon, a relatively small 800 gm balloon capable of reaching 100,000 ft. in height at a minimum rate of rise of 1000 ft./min. both at night and during the day. The ML-537 represents a lo-20,000, ft. height improvement over the separate day and night balloons it replaced. It also has a specified 80% reliability, as compared to the previously required 60%. Balloon ML-537/UM, Sounding type, Clear color, Rate of rise is 1000 feet, Bursting altitude 100,000 feet, Volume 126 cubic feet, Free lift 1600 grams. 5 lbs sh. #ML-537, Unused, \$25.00

SCR-508 Radios

BC-603 / SCR-508 superheterodine FM receiver covers 20 to 27.9MHz. The receiver can deliver an output of approximately 2 watts to its self contained speaker or about 200 milliwatts to its headset circuits. The front panel contains 10 push buttons by means of which any one of 10 preadjusted receiving channels may be selected. IF (nominal) 2.65MHZ. Bandwidth 80KHz. Comes with 12VDC dynamotor. 6.8x12.5x11.5, 40 lbs sh. #BC-603, Used not tested, \$150.00



LED Flashlight

ECG LED Super-Bright Flashlights, Conveniently-Sized, 14 super bright LEDs. Aluminum alloy case. Waterproof. 90 day warranty. LED life 100,000 hours. Includes 3 AAA batteries. New, Available in 3 metallic colors: Pewter: #FS-03PW, \$7.39 Blue: #FS-03BL, \$7.39; Red: #FS-03RD, \$7.39



SEM-52 Radio



SEM-52 Radio, German-made unit can operate on six preset channels (2 supplied) in 47-56.975MHz FM range @ 300 mw: 25KHz spacing. Has Off-On Squelch (AUS-EIN-RSP). Volume & Channel (KANAL) select. Requires six AA batteries (not included). Includes RT, 35" ribbon antenna with flex base and carrying bag. Also, comes with an adapter cable allowing use with H-250 handset (handset sold separately). May not comply with FCC regulations. 7.1"Hx3.4"W.1.5"D. 4 lbs sh. #SEM-52, Used checked, \$125 #H-250-U Handset Used with broken clip, \$39.50

HV Power Supply

1-2000 VDC @ 20ma Adjustable Rack Mount Power Supply by Power Designs, Inc. Meter is for voltage and current with a toggle switch determining function. Requires 115VAC 60 Hz. 19x19x5, 29 lbs sh. #2K20, \$250.00



MP-65 Mast Base

MP-65 MAST BASE for MS-116-117-118 or AB-21-22-23-24 mast sections; Requires 2" dia hole for mounting. 3 lbs sh. #MP-65, Used good condition, \$65.00



Housing Cabinet

Aluminum Housing from C-10327 Control. Great for outdoor solar or antenna control projects. Has two compartments. Inner dimension of each compartment is 10"W x 6.1"H x 6.2"D and 2.7"W x 5.3"H x 5.5"D. Overall 17.5"W x 8.2"H x 9.1"D. Comes with original front plate for each compartment. 18 lbs sh. #ENC-10327, \$21.00 As above but less front plates. #ENC-10327-LP, \$20.00



Mueller Gator Clip



Mueller #27 High Quality Alligator Clamps. Rated for 20 amps. #MUE-27, Unused, 2 for \$2.50; 10 for \$10.00; 100 for \$60.00

Infrared Thermometer

NTE Digital Infrared Thermometer, Pen-style IR thermometer fits easily in a pocket for quick and easy surface temperature measurements. Temperature Range: -27° to 428°F (-33° to 220°C). Accuracy: ±2% of reading or ±2°C. 0.1° resolution for accurate readings. Selectable temperature units F/C. 1:1 Optics (distance-to-spot size ratio). LCD display. Does not use a laser beam. Metal alloy case. Lithium batteries (2 LR44 included typically provide for 180 hours of continuous operation). Low battery indication. Automatic power OFF after 15 seconds. 1 Year Warranty. Durable pocket clip. #DIT-205, New, \$49.50



Dummy Camera

Dummy Rotating Camera With LED. Excellent imitation of a real security camera. Has a motion sensor. Motorized pan movement. LED lights when the device is turned on. No wiring needed. Requires three 1.5V AA batteries (not incl.). Height: ca. 6.7". #CAMD3, \$10.00



Finger Stock



24" long x 5/16" height of Finger Stock. Beryllium Copper Radio Frequency Grounding Contact Strip, Each individual finger has a width of 1/8" and a height of 1/8". #97-555-02, Unused, \$6.95

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SEE PAGES 19 & 20

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This is the only catalog that will be sent this year.

SRA-33 Coupler Set



Coupler Set, in heavy aluminum frame. Includes four cavity-coupler units, power supply, cables, RF selector switch, four power meters & manual. 48x22x27, 350 lbs. #SRA-33, Used, \$225.00

SRA-33 Control-Power Supply with cable for above, 45 lbs. #C-4586, Used, with set purchase. \$75

DUAL SILVER-PLATED UHF ANTENNA COUPLER CAVITY, part of system which allowed four receiver/transmitters (140 W) to use single antenna. Each cavity 14.5" L x 6" dia has quarter-wave variable stub (0.2" per turn X 28 turns) over 225-400 Mhz. Input & output loop-coupled; cavities aperture-coupled. Also 8 tracking slugs. Un-loaded Q = 4000, loaded Q 700. Insertion loss 2 DB. (We attached a disk to the moving stub which reduced frequency to below 140 Mhz.) Unit has electro-mechanical drive for 19 preset and one manually selected frequency. With weather-tight aluminum cover. Requires 28 VDC, 6.3 VAC, 115 VAC 60 Hz for motor and chopper. 15x9.5x24, 45 lbs sh. #CU-SRA-33, Used w/info, \$49.50



SRA-33 Coupler Manual repro, #MM-SRA-33, \$15.00

Books



Shortwave Receiver Chapters and more from Frank Jones' famous book "The 1936 Radio Handbook", Filled with diagrams, schematics, and photos of receivers, tube specs, test equipment, and more. Perfect for the radio builder, collector, restorer, or amateur radio operator. 46 pages. #23608, \$5.95

Building the Tesla Turbine. Included in this book are step by step instructions in the form of detailed photos and drawings showing how to construct your very own Tesla turbine. Not an exact replica of the original, but one that has been simplified, thus making it much easier to build than the original. The result is an impressive model measuring 3-1/2" wide x 6" long x 4" high. Although it comes in a small package this turbine generates impressive power. The model as detailed rotates at speeds in excess of 5000 rpm at 80 psi of air pressure. And it has the capability of running either clockwise or counter-clockwise at these speeds. 48 pages. #1573, \$9.95



Enhancing the Ramsey AM-25, Build an AM transmitter by enhancing an affordable commercial flea-power kit into a carrier-current workhorse. While audio technology is everywhere, broadcast hardware is hard to find. The AM-25 is a Ramsey kit selling for under \$100. Billed as a "professional synthesized AM transmitter," it's really just an intelligent milliwatt oscillator. Built by the book, it is no workhorse. Here are some suggestions for converting the AM-25 into a reliable rig for continuous running at practical levels of power. Recommended is carrier-current broadcasting over the power lines, a little-known mode, legal under Part 15. In this booklet, you learn how to enhance the AM-25 by tweaking all of its power functions and by adding a touch of Tesla technology in the rig's final stage. #BK-AM-25, List Price, \$9.75; Our Price, \$8.95

Enclosures



Aluminum Bud Box Enclosure. 5 1/4" L x 3" W x 2 1/8" H, Unused, #CU-2106, \$6.00

Aluminum Bud Box Enclosure. 4" L x 2.75" W x 2" H, Unused, #CU-3015, \$4.95



Plastic Enclosure with aluminum base plate from Mouser. 5 1/8" L x 3 1/8" W x 1 5/8" H, Unused, #ENC-518, \$4.50

Plastic Bud Box Enclosure. 3 5/8" L x 2 1/4" W x 1 1/2" H, Unused, #PT-11308, \$3.95



IERC Tube Shields



Tube Shield for 9 pin mini tubes (medium height) 12AX7, 6U8 etc... Made by IERC. #NW6-6520-1H, Unused, \$9.00

Tube Shield for 9 pin mini tubes (medium height) 12AX7, 6U8 etc... Made by IERC. #T6-1020-1, Unused, \$8.95



Tube Shield for 9 pin mini tubes (tall height) 12BY7, 12BH7 etc... Made by IERC. #TT6-6625-09-3B, Unused \$7.00



Power Supplies

Kepeco DC Power Supply 0-15VDC, 0.15 Amps. Perforated housing. 6.3x4.9x3.3, #PAT-15-1.5, 7 lbs sh. \$19.95



Switching DC Power Supply by Power One, Outputs: 5VDC 12A, 12VDC 4A, -12VDC 0.6A, -5VDC 0.6A. Requires 115/230VAC 50/60 Hz. 9x4.8x2.2, 5 lbs sh. #SPL100-4000, Unused \$10.00

Tuning Tools

High-Frequency Ceramic Radio Tuning Tools Cross Tip Special ceramic blades and antistatic handles. No electro-magnetic induction. No eddy current loss in HF (High Frequency). 100% electric insulation. Length 3 47/64". New, #VTCS1, \$4.20



Radio Alignment Tools, Set of 10 plastic adjusters. Length: 4 17/32". Tips: Flat: 1/32", 1/16", 5/64", 13/64". Cross: 3/32", 1/8". Hex: 5/64", 3/32". Square: 1/16" x 1/16", 5/64" x 5/64". New, #VTCSS, \$4.20



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Fair Radio buys your excess material. We may be interested in some items in low quantities, but prefer higher quantities for our catalog sales.

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FOR ORDERING INFORMATION SEE PAGES 19

R-390A Parts & Assy

Maintenance Manual Reproduction for R-390A, \$23.00
Operators Manual Reproduction for R-390A, \$12.00



VFO from R-390A HF receiver with 5749 tube; various mfg (no choice). 4x3x7.5, 4 lbs, used dented less connectors & coupler "as-is", #VFO/R390A,\$26.50

455KHz Beat Frequency Oscillator for famous HF Receiver R-390A. UNUSED CONDITION! 3.3x1.5, 2 lbs sh. #390A-BFO, \$32.50



Replacement assemblies & parts for the R-390A:

AC Terminal Protective Cover, #390A-ACP,	\$8.00
CRYSTAL OSCILLATOR (no crystals) #390A-CO,	\$25
CRYSTAL BAND, #390A-(crystal freq.)-CR,	\$12
DIAL, COUNTER, #390A-DC,	\$25.00
GEARS, #39, #390A-G-39; or #21, #390A-G-21, \$12	
GEARS others less clamp.#390A-G-(specify#),	\$3.50
GEAR CLAMPS, 1/4" only, #390A-GC,	\$3.50
HANDLES per pair, #390A-HAND,	\$18.00
KNOBS, small size, #390A-SM,	\$6.00
KNOBS, medium size, #390A-MED,	\$6.00
POWER SUPPLY without tubes, #390A-PS,	\$35.00
TRANSFORMER, RF, #390A-RF- (specify #)	\$11.00
TRANSFORMER, IF, #390A-IF- (specify #)	\$14.00
SLUGS, IF Variable, #390A-SL-IF,	\$6.00



Test Connectors to make test extender cables for R-390A receiver. You

receive the 5 male/female connector pairs with covers to make the following extender cables along with instructions from manual: P110-J410(Crystal Osc), P111-J811/P119-J619 (Power supply/Audio), P120-J620(Audio), P112-J512(IF Amplifier), P108-J208/P109-J709(RF Amplifier/VFO). #390A-CON,\$69.95

R-390A Fuses, New,

0.1 amp (good replacement for 1/8 amp), #6FF0.1N, 5 for 2.50, 10 for \$3.95
0.25 amp, #6FF0.25N, 5 for 2.50, 10 for \$3.95
3.15 amp (good replacement for 3 amps), #6FF3.15N, 10 for \$1.95

COVERS FOR R-390A - - -

Hard to find aluminum replacement top and bottom covers for R-390A series. Very close to original. Newly manufactured, #390-TB, \$89.95
RF Cover, Newly manufactured, #390-RF, \$25.00
Set: top, bottom, & RF; newly mfg, #390-S, \$109.95

NAME TAGS FOR R-390A - - -

Reproduction Name Tags for R-390A radios. Multiple mfg available. New, \$24.99 each



Motorola Large Print, 3"Wx7/8"H, #TML390
Motorola Small Print, 3"Wx7/8"H, #TMS390
Collins, 2.5"Wx1"H, #TC390
Electronic Assistance Corp., 2.5"Wx1"H, #TE390
Stewart-Warner, 2.5"Wx1"H, #TS390

R-390A Connectors:

UG-573 Type "C" Male Unbalanced Silver Plated Connector/ R-390A. #UG-573, Unused cut-off.\$6.50
Twin-Ax male, Amphenol, New, #82-5589-RFX, \$9.95; 3 / \$25.00
Mini-BNC p/o R-390A, #390A-MBNC, used, \$3.00
As above but chassis, #390A-MBNC-CH, used, \$3.00



Hard to find R-390A balanced input adapter. Goes from Twin-ax male to a UHF female. Unused, #UG-970, \$40

ILS Receiver

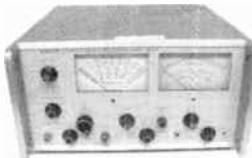


FA-8766 PORTABLE ILS TEST RECEIVER, covers 108.1 to 111.9 (5uv sens) and 329.3 to 335.0 (25 uv) Mhz with separate crystal controlled front ends feeding a common 60 mhz IF through a combiner and then converted to a 3 Mhz second IF. The RF and IF sections are in cast metal shielded assemblies. The solid state receiver has audio and AGC detectors. The audio circuits have 90 and 150 hz bandpass filters, the audio is rectified and the output used to drive the DC meters. This unit is a good basis for modification and experimentation. Power input 120 vac or 18 vdc. Receiver has nicad battery/charger circuit. No warranty as to serviceability of battery. See our web page for more pictures. 10.1x9.5x12, 23 lbs sh. Crystals not included. With schematic/info. #FA-8766, Used \$39.50; 4 for \$100.00

RFI Receivers

Singer model #NM-17/27

is a programmable, precision electromagnetic interference/field intensity meter for the measurement of conducted or radiated RF interference, within the frequency range of 10KHz to 32 MHz. May be used as a VLF unit. The instrument may be used to analyze narrowband or broadband signals within its frequency range. Field intensity or direct peak detector functions may be used for measurements in addition to quasi-peak, slideback peak and BFO detection modes. AM, FM and PM signals may be detected and are available at the video output receptacle for oscilloscope display. Requires 115/230V at 50 to 400Hz. 18.5x16.7x8.7, 55 lbs sh. #NM-17/27, Used repairable with manual repro, \$595



#NM-37/57 same as above except 30MHz-1GHz, \$795

#NM-26T Stoddart type, EMI Rcvr, 150KHz-32MHz, \$595

FAIRCHILD ELECTRO-METRICS R-70B RFI RECEIVER uses 9 tuning heads covering 0.1 to 1100 MHz; with two cases and manual, #R-70B, \$800.00

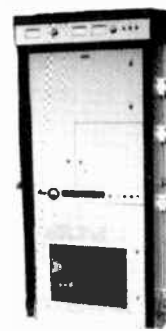
Selective Level Meter



Rycom 6041 Selective Level Meter / VLF Receiver makes measurements of both level and frequency on frequency division multiplex (FDM) equipment baseband signals. Although its primary application was intended to be on high-density long-haul microwave systems, the 6041 SLM may be employed on any communications equipment requiring selective/wide band level or frequency measurements. Frequency range for Wide Band Level Meter and Frequency Counter: 50 and 75 ohm - 300Hz to 3.5MHz; 124, 135, 150 ohm - 4KHz to 2.0MHz; 600 ohm - 300Hz to 100KHz. Requires 115VAC 60Hz or Battery. Battery holds a charge for the short term but is sold As-Is. 10.1x12.2x8, 24 lbs sh.

#RYCOM-6041, Used Operational, \$595.00

COLLINS 208U-3A

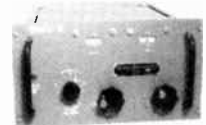


208U-3A POWER AMP automatically tunable over 2 to 30 Mhz SSB-AM-CW @ 3 KW PEP for use with URG-2 radios. Uses 4CX5000 PA tube; tune time 6 sec nominal, 10 sec max. With modules 333H-2 Electronic Control Amp, 309F-1 Digital to Analog Converter, 915V-2 Amp Control, 652J-13 Power Supply, 599Z-1 Test Panel and 915X-1 Control Monitor. Includes manual copies for all components except 915X-1 & 599Z-1. 72.5x32.6x31; 1200 lbs sh.

#208U-3A, Used not tested less 4CX5000, \$3200.
#208U-3, Used not tested less 4CX3000, \$3250.00

225 to 400 MHz Amp

AM-915/GRC AMPLIFIER-MULTIPLIER plug-in for T-302/TRC transmitter; covers 225-400 MHz FM @ 100+ watts using 4X150A & 4X150G tubes. Controls Grid & Plate Tune and Amp Output Coupling. Requires +750 V, 200-350 V screen, and 6.3 V filaments; with schematic. 12x6x14, 24 lbs. #AM-915, used, \$95.00





AM-914/TRC AMPLIFIER-CONVERTER, plug-in for R-417 receiver in 225-400 MHz range. Continuous tuning of RF and oscillator; 30 MHz IF. Modify and use as down-converter! With tubes 5670, 4/6J4.

Requires 150 VDC & 6.3 V. 7.5x6.5x9.5; 15 lbs sh. #AM-914, USED, \$40.00

#AM-1179/GRC, 50 to 100 MHz, used, \$45.00
#AM-1177/TRC, 400 to 600 MHz, used, \$49.50
#AM-3203A/TRC, 1.35 to 1.9875 GHz, used, \$55.00

Rockwell Preselector

HF-8064 4-CHANNEL HF PRESELECTOR, auto-tuned bandpass filter for HF-8054 receiver & HF-8014. Provides front-end selectivity & overload protection for Rx; improves cross-modulation & out-of-band intermod. Power: 100/115/215/230 V 47-63 Hz. 5.3x19x24, 32 lbs shipping. #622-3522-203, used, \$695.00



UHF Preselector

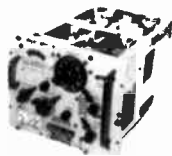


F-1506/G UHF Tunable Band Pass Filter / Preselector covering 225-400 MHz dial tuned. Consists of Lark Engr. FX4000-089 filter with N conn in

rackmount package. 5x19x18, 25 lbs sh. #F-1506, Used, \$85.00

VISIT OUR WEBSITE AT FAIRRADIO.COM

602-999 MHz Amp



AM-1957 AMPLIFIER-OSCILLATOR, 601.5 to 999.5 MHz plug-in for T-893/GRC-50 transmitter. Utilizes three 7289 tubes as 651-1049.5 MHz oscillator, -50 MHz mixer and 15 watt power amp.

Directional coupler detects Reflected Power and provides

monitor output for external meter circuit. RF passes through duplexer having identical receive/transmit sections each with two cavities. (Receive signal routed to separate AM-1955 receiver module.) Transmit RF then moves to second directional coupler which detects Reflected Power also with output for external meter. Wavemeter samples output RF for frequency measurement using calibration chart. Cathode current of each 7289 regulated by external 250 VDC, 650 VDC, 800 VDC, 5.7 VAC, 5.5 VAC. Schematic and info included. 8.9x11x16, 36 lbs shipping. #AM-1957, Used, \$69.50

AM-1955A/GRC AMPLIFIER CONVERTER used with R-1148A/GRC-50 receiver for 600-1000 MHz band; 60 MHz IF. Uses 4037A/2C40A tube as oscillator; also 5654, 2/5842. W/ wavemeter & calibrate book. Requires 150 VDC, 6.3 V. 15x9.5x8, 30 lbs sh. #AM-1955A, \$30.00

AM-6154 Amplifier

AM-6154/GRT-21 Power Amplifier conservatively rated for 50 watt output from 10 watt exciter input over 116-150 MHz; uses Elmac X651Z/8930 or Amperex DX393 tetrode (no choice) in silver-plated cavity-drawer; 175-turn TUNE counter dial. Main chassis has solid-state power supply and buffer amp/multiplier; panel meter monitors voltages. Requires 105/120/210/240VAC 50-400Hz and +20 volt reg 60ma, +20 volt keyed; w/ schematic info. 7x19x18.5, 80 lbs sh. Used Repairable, #AM-6154, \$300



Bias Supply from AM-6154 or AM-6155 amplifier. 7.1x5x4, 7 lbs sh. #BS-6155, Used, \$35.00

AC - AC Inverter from AM-6154 or AM-6155, 7.1x5x4, 7 lbs sh. #INV-6155, \$39.50

GRT-21/22 Transmitter



T-1109 Transmitter from AN/GRT-22 Radio Set.

Frequency coverage is 225-400 MHz AM in 3500 channels. The crystal controlled transmitter has 10 watts output. Associated amplifier is the 50 watt output AM-6155 listed on page 4 of our catalog. Requires 120/240 VAC. 18x19x5.3, 50 lbs sh., #T-1109, Used, \$59.95

T-1108/GRT-21 Transmitter same as above except 116-150 MHz in 680 channels. Associated amp is AM-6154. #T-1108, Used, \$60.00

Schematic Pack f/ T-1108/T-1109, #SCH-T-1108, \$18.

TIQ-2 Amplifier



AM-20/ TIQ-2 Audio PA Amplifier, Part of the TIQ-2 public address system that has been used since the 1950's uses 6SL7 as preamp and drivers with 6L6 output tubes. Two mic inputs, phone/line input, radio/carbon mic input. Wood case with cover. Output 20 Watts 5 % distortion, 50 - 10000 hz. Power input 115/230 V 60 hz. #AM-20, 19x14x9, 75 lbs sh. Used Repairable, \$250.00

RF Amp / Preselector



TN-612/G Prepost Selector, consists of RF preselector and broadband power amp. Pre-selector operates in four bands 1.8-3.6, 3.6-7, 7-14, and 10-24

Mhz. Microprocessor-controlled unit has no front panel controls except ON-OFF and indicators for OV DE, OVL, ATT, BITE, TUNE plus silver-plated coils and 3-gang variable capacitor. Frequency is selected by twelve Kilovac HC-1 vacuum relays and nine mini-coax relays along with motor interface adapters. Relays actuated by driver transistors. RF power amp uses four transistors S15-28, T9-0664 and two MRF-466 as output amplifiers. P/o GRC-215 HF-SSB; no further info. Requires 115/230 VAC 50-60 Hz; 4.5x19x17, 46 lbs sh. #TN-612, Unused, \$299.50

Broad Band Power Amplifier Assembly covering 1.6 - 24 MHz



removed from the TN-612 pre-post selector. Uses S15-28, T9-0664 and 2/MRF-466 transistors. 24 VDC. No further info at this time. 2.3x17.3x4.5, 9 lbs sh. #AMP-612, \$79.50

Coils and Variable Capacitor removed from the TN-612 Preselector.

Two silver plated coil boxes each with six coils. The preselector was supposed to cover 2 to 30 mhz in 4 bands. 3 coils for each band. Each coil silver plated wire on epoxy from with ferrite slug is in its own compartment with a glass piston variable capacitor. 13.1x2.2x3.3, 7 lbs sh. #612-COILS, \$50.00

Three section fully shielded variable capacitor 35 - 300 pf per section. Each section is shielded from the others. The insulation material looks like ceramic. Very high quality. 10x2.7x3, 6 lbs sh. #612-CAP, \$35

Both Coils and the Variable Capacitor as listed above. #612-KIT, \$75.00

T-195 Transmitter

T-195/GRC-19 TRANSMITTER 1.5-20 Mhz AM-CW-FSK in ten bands manual or auto tune. Power output 100 W (1.5-12), 90 W (12-16), 80 W (16-20 MHz). Uses two



4X150D tubes in power amp & 20 other tubes. Requires 22-30 VDC 42 amps input (9 amps "stand-by") for dynamotor supply. LESS METERS. With replacement knobs. Companion to R-392 receiver. 11.5x22x14.5, 135 lbs. #T-195, Used Repairable, \$275 MANUAL for T-195, partial repro, #MM-T-195, \$30.00 Power Connector, #CONN-T-195, \$20.00 Spare Air Filter for T-195, #MK-312, \$12.00

MD-203 FSK Modulator



MD-203/GR Radio Transmitter Modulator for the T-195/GRC-19 Transmitter. The MD-203 is a link in a complete radio teletypewriter comm. system. The teletypewriter signals developed in Teletypewriter TT-98 are supplied through Junction Box J-668 to the MD-203. The MD-203 is connected to the

exciter section of the T-195 to produce shifts in the CW signal. Uses tubes 7/26A6, 1/26A7. Less knobs. 9.1x13.8x7.3, 26 lbs sh. #MD-203, \$28.00

FAA Radios



TRX-103 UHF Solid State 3 channel, crystal controlled, AM Transceiver type FA-9606 covering the military aviation 225-400MHz band. Has built in speaker. 50KHz channel spacing. Transmitter output is 3

watt. Antenna impedance 50 ohms. Receiver IF is 21.4MHz. Requires 115VAC 60Hz or 24VDC. Crystals not included. Condition of internal battery AS-IS. 14.1x14.2x7.7, 43 lbs sh. Manual repro included. #TRX-103, Used Repairable, \$149.50

TRX-102 VHF AM Transceiver type FA-8979 is similar to above except covers 118-136MHz and requires 120VAC 60Hz or 12VDC. Crystals not included. Condition of internal battery AS-IS. 13.8x13.8x7.9, 38 lbs sh. Manual repro included. #FA-8979, Used Repairable, \$159.50

It is unlawful to operate on these frequencies unless you have a license to do so.

Aircraft Receiver

R-761/ARC-58 Receiver covers 2 to 29.999MHz, companion receiver and exciter to T-730. Req. 115 VAC 400 Hz input. 7.8x10.3 x23.5, 55 lb. #R-761, used, \$195.00



SCHEMATIC, #SCH-R-761, \$12.00

Control for freq-select; 6 lbs. #C-3141, USED, \$25



MODULES from AN/ARC-58 or TRC-75 radio sets. Each 4.8x4.5 x1.5, 2 lbs sh. USED-not tested: AMPLIFIER DETECTOR, 4x 5899 tubes; p/o R-761, #AM-1523, \$25

ELECTRONIC CONTROL AMPLIFIER p/o T605/T-730 xmitter, #AM-1525, \$20.00

Similar to AM-1523, #AM-1526, \$25.00

AMPLIFIER-MIXER for R-761 with ten tubes and slug rack, #AM-1528, \$45; Schematic, #SCH-AM-1528, \$4

AMPLIFIER OSCILLATOR with Collins mechanical filter P455 Z1, #AM-1529, \$35.00

MIXER OSCILLATOR, for R-761; master oscillator 70H13A, interpolation, spectrum generator Mech filters F455 Q2 & Q3. #CV-465A \$65.00

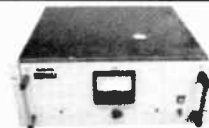
Schematic for CV-465B, #SCH-CV-465A, \$12.00

BALANCED MODULATOR with mechanical filters F300 Z4 and F300 Z5, etc. #MD-286A \$40.

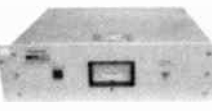
REFERENCE GENERATOR, #SG-179A/URC, \$40.00

Microwave Transmitter

AML-STX-141 Single Channel Microwave Transmitter 12.7 to 13.25 Ghz operation, 5 Watt output. Manufactured by Hughes. A VHF input of 50



- 450 mhz single sideband suppressed carrier is upconverted to the output frequency. This unit consists of a solid state source, Frequency Sources MS-800XEL-06 or equal, various waveguide bandpass filters and other components. Removed from service. W/ info. With interconnect cable and power supply, 20.3x19x10.2, 47 lbs sh., #AML-STX-141, Used Repairable, \$145.00



Hughes AML Klystron Power Supply, Power input 95 - 130 VAC, Output -2200 VDC 130 ma and 6.3 vdc 1.3 amp current limited and adjustable. Meter

monitors output voltage or current. 16 x 19 x 5.25, 37 lbs sh. with info. Power supply only, #PS-141, \$50.00

CALL US AT 419-223-2196 or 227-6573

24 HOUR FAX 419-227-1313

Collins 618T



COLLINS 618T-2 SSB AIRBORNE TRANSCEIVER, 2-29.999 Mhz SSB-AM-CW in 28000 channels. Power output: 400 watts SSB-PEP 125 W AM-CW; 52 ohm output impd. Sensitivity SSB: 1

uv for 10 db S+N/N. Selectivity SSB: 2.85 KHz, 6 db down; 6.0 KHz 60 db. Audio input: 600 ohms. Uses two 4CX250's in P-A. Switch & meter monitor internal power. Separate control necessary for channel select. Racks & cables not available. Requires 115 V 400 Hz 3 phase 1 KVA & 1 phase 160 VA; also +27 VDC 4.5 amps. W/ manual repro; 7.6x10x22.2, 58 lbs. #618T-2, Used, repairable with K9 osc, \$550.00

Like above but requires 28 VDC 35 A and 115 V 400 Hz 1 phase 100 VA. #618T-3, Used, \$695.00

618T power/control connector, no cover, #CONN-618T, \$45.00

MODULES FROM COLLINS 618T HF TRANSCEIVER, as removed from equipment--not tested:



AM AUDIO AMP has mech filter

F500 Y60 (526 9378); 2 lbs sh. #546-6053, \$45.00

IF TRANSLATOR has LSB-USB filters F500 Z4 (526 9377) & Z5 (526 9376), Mech. filter as used in PRC-47 to modify for LSB operation, #544-9286, \$99.00

KC- FREQUENCY STABILIZER, has mechanical filter F250 F100 (526 9410) and crystal filter X250KF440 (526 7006); 3 lbs. #618-KC-FRQ, \$40.

RF TRANSLATOR with K9 oscillator, 15 lbs. #618-RF-TR, \$200.00

618T RF Reference Osc. Module, includes 3 MHz crystal oven which is divided to 500 KHz output, amplified and then divided again to produce 100 KHz output. 4.3x6x2.7, 2 lbs #528-0251-005, used, \$24.00



COLLINS 490T-1A (CU-1669A) AUTOMATIC ANTENNA COUPLER for 618T and similar 2-30 Mhz transceivers; rated RF input 630 W PEP, 200 W average. Matches 25 ft or

longer whip or 25-100 ft long-wire antenna to 50 ohm line. Terminal for wire and "C" coax connection. Has 5-500 pf 10 KV vacuum variable capacitor and variable step-coil. Requires 115 V 400 Hz; 7.6x 10.1x12.6, 24 lbs. #490T-1A, Used not tested, \$499.

Collins 618T URM-157 Test Set, Consists of TS-1949/URM-157 and cable which connects the TS-1949 to the 618T. The radio set control is part of the TS-1949. Has meter to indicate forward / reflected power 200/2000 watts. Also provides connections for microphone, headset, audio in, and key. Power input connector also provided. Connections for 516H-1, antenna coupler, DC in, AC out are on the test set (Webpage for available connectors/cables). 34 lb. #TS-1949-U, Used \$400; #TS-1949-UN, Unused \$895.00



TS-1949 only, less control box, 18 lbs #TS-1949-O \$150

ARC-51BX UHF Tx-Rx

RT-742/ARC-51BX UHF Aircraft Transceiver, 225-399.99 MHz AM in 3500 available channels, 50 KHz spacing; also has guard channel. Output 16 watts min. RF impedance 52 ohm input & output. Audio and mic impedance 150 ohms. Doesn't include ID-1003 SWR indicator; separate control box necessary for function & freq-selection. W/ tubes 4/ 7077 and 4/ 7544; requires 27 VDC 13 amps. 7x9.5x15.1; 35 lbs. #RT-742, Used, \$199.00



ARC-105 HF Radio



RT-712/ARC-105 HF TRANSCEIVER, pressurized 618T2; modules interchangeable. Covers 2 to 29.999 MHz SSB-AM-CW in 28000 channels. Front has hour meter, C and BNC connections. Separate control needed for freq-selection. Connectors not available; Requires 115VAC 400Hz 3 Phase. 10.5x 11.5x23, 70 lbs. #RT-712, Used, \$350.00

500 KHZ IF AUDIO AMPLIFIER, IF and Audio Module from Collins transceiver. Four stage 500KHz IF amplifier w/6 khz collins filter, AGC Detector, Low level audio amplifier. Also has 3 transistor microphone amplifier as part of its function in the transceiver. Power req. IF amp 18 VDC, Mic amp 24 VDC. w/schematic, info, power connector. #105-AA, \$37.95

Precision RF Oscillator Module produces 500 KHz and 100 KHz reference signals from a temperature compensated 3 Mhz crystal oscillator. Requirements were 3 Mhz +/- 2 hz, 500 KHz +/- 0.4 hz, 100 KHz +/- 0.4 hz. Operates from 18 VDC. w/schematic, info, power connector. #105-OSC, \$35

IF TRANSLATOR MODULE FROM COLLINS ARC-105, pressurized version of 618T HF TRANSCEIVER. IF TRANSLATOR module has LSB-USB filters F500 Z4 (526 9377) & Z5 (526 9376). This unit provides the mechanical filter used in the conversion of the PRC-47 transceiver to allow LSB operation. Removed from equipment not tested. 4.3x2.9x4.7, 4 lbs sh. #105-IF, \$70.00



From ARC-105 115V 400Hz 3 Phase Power Supply Module produced 1500 VDC for 400 Watt PEP transceiver using 2/7204 tubes, and 250 VDC 70 ma. 10.3x4.3x4.8, 13 lbs sh. #105-PS400, \$30.00

HF Power Amplifier from ARC-105, 400 W PEP 125 W AM 2-30 mhz in 8 bands. Module has two 7204 tubes and associated output tuning circuitry. Band selection is controlled by 28 vdc motor. The grid tuning circuitry is NOT part of this module. Output inductor is tuned with 115 v 400 Hz motor. Requirements 1500 VDC, 28 VDC, 27 VAC filament, 115V 400 Hz. #PA-105, \$140



Sonobuoy Receiver



R-962/ARR-52A VHF RECEIVER 162.5-173.5 MHz AM, FM and video using 31 crystal-controlled channels. Solid-state sonobuoy receiver consists of five plug-in modules; 25 MHz 1st IF, 5 MHz 2nd IF. Conversion possibilities for 2 meters, VHF weather, satellite TV, etc. (See Oct '74 CQ Mag.)

Requires external control and 18 VDC. 7.5x2.5x10, 9 lbs. #R-962, Used, \$19.95. SCHEMATIC, #SCH-R-962, \$7.00 w/ set. Manual repro for ARR-52, 52A, #MM-ARR-52, \$23.00

243 MHz Receiver

Transistorized Guard Receiver from modified RT-178/ARC-27 (5821-953-9695) UHF transceiver. One channel in 238 - 248 mhz range. IF's 25.1/3.48 Mhz. Has detector, noise limiter, AVC. 4/2N1745 transistors and 25.1 mhz filter. 8 x 4.5 x 4, 6 lbs sh. No Schematic. #ARC-27, used, \$20.00



Transponder



BC-645 Airborne Interrogator Transponder covering 460 to 490MHz. 15 tubes. Part of SCR-515. Receiver IF is 40 MHz. Transmitter is a tuned-line oscillator which operates on either of 2 pre-adjusted frequencies in the range 435 to 500 MHz. Powered by PE-101 (Not Available) from either 12 or 24 volts. 13.5x10.5x4.8, 20 lbs sh. #BC-645, Unused, \$79.50

ARC-109 Transceiver

RT-749/ARC-109 UHF AIRCRAFT TRANSCEIVER, solid-state Collins unit operates on 225-399.95 MHz AM, DSB and A3 phone @ 30 watt min.

3500 available channels in 50 KHz intervals plus 243 MHz guard channel. Uses 4631 tube in P-A; 150 ohm audio/ mic impedance. C-6364 control necessary for channel select; cables & racks not available. Replaced ARC-27-34-51-52. Requires 115 V 400 Hz 3 phase. 6.8x9x16, 29 lbs. #RT-749, Used repairable, \$395.00



SCHEMATICS f/RT-749, repro, #SCH-RT-749, \$15.00

CONTROL, used, #C-6364, \$55.00 w/set purchase.

FM Transceiver



MAGNAVOX FM-622 (RT823/ARC-131) Airborne Transceiver, covers 30-76 Mhz FM in 920 channels, 50 KHz steps. Output 1 watt in LO; 18 W max HI @ 29 VDC RT has Squelch Disable & Adjust, Test switch. Meter monitors +24 V-+16 V-AGC-RF FWD-RF REFL-OFF. Control box provides channel select, Volume, Squelch, OFF-TR-RE-TRAN HOME switch. Has some modules common to RT-524/VRC-12. Requires 24-29 VDC 4 amp max. Rack & cables are N/A. 7.8x5.9x15.6, 31 lb #FM-622, Used w/control box, \$295.00

provides channel select, Volume, Squelch, OFF-TR-RE-TRAN HOME switch. Has some modules common to RT-524/VRC-12. Requires 24-29 VDC 4 amp max. Rack & cables are N/A. 7.8x5.9x15.6, 31 lb #FM-622, Used w/control box, \$295.00

Collins VHF Tx-Rx Set

AN/ARC-73 AIRCRAFT RADIO SET

designed by Collins; consists of T-879 (17L-7A) transmitter, R-1123A (51X2B) receiver, C-4074 (614U) control and MT-2699 rack. T-879 covers 116 to 149.95 MHz AM in 50 KHz steps (680 channels) with 25 watt output to 133.95 MHz and 20 W min. above. Sidetone level 100 MW into 500 ohms; mic impedance 100 ohms. R-1123A covers 108 to 151.95 MHz in 50 KHz steps (720 channels). Sensitivity 3 uv; audio output 500 ohms. Both have antenna input impedance of 52 ohms and require 27 VDC (7.3 amp max transmit) power. Both utilize tubes and transistors. C-4074 control sets frequency on mechanical counter and has Volume, Squelch, and On-Off functions. Mating connector not available. Less MT-2699 mount. Operator's manual and schematics included; 9.5x8.5x16, 40 lbs. #ARC-73, used, \$189.50



TRANSMITTER only; 20 lbs #T-879, Used, \$79.50 RECEIVER only; 19 lbs sh. #R-1123A, Used, \$85.00 CONTROL BOX for frequency select, volume control, etc; w/ set purchase. #C-4074, Used, \$30.00

PLACE YOUR ORDER OVER THE WEB AT FAIRRADIO.COM

ARC-54 Transceiver



RT-348/ARC-54 VHF Aircraft Radio Set, FM unit covers 30-69.95MHz in 800 channels with 50Hz spacing, 10W, X-mode capable, 27.5VDC at 7 Amps, Mfg by Collins. 15x5x7.7, 25 lbs sh. #RT-348, Used, \$199.50

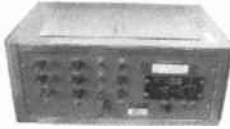
Test Panel

Test Panel for Wilcox 807 VHF transceiver with control box 97733-100, ITT Cannon connector for rear of Wilcox 807, test points for the following:

Data Link input, 0 dbm input, mike input, data link output, receiver output, sidetone output, detector meter, detector input, scope output. Mike, sidetone, and receiver audio jacks. External squelch; on/off, control, disable. Audio on/off. PTT disable.

Overall dim., 15.8x22.2x8.8, 32 lbs sh.

#807-TP, Used, \$135.



Control box for Wilcox 807. #97733-100, \$59.50

Rack Cabinet only from above less the front panel, control box and cables. Has a 7" height opening and an allowance of 14" deep. Has louvered sides. The top of the cabinet opens for easy access. Has 2" Hx20" W hole along the base of the rear of the cabinet. 28 lbs. #807-RACK, Used, \$45.00

GRC/VRC Equipment



RT-68/GRC TRANSCEIVER, 38-54.9 MHz FM continuously tunable or 100 KHz-step channels. Receives and transmits both voice and 1600 Hz ringing FM; range 10-15 miles. Receiver circuit has variable 1st IF 4.45-5.45

MHz and fixed 1.4 MHz 2nd IF; also squelch and 600 ohm audio output. Transmitter uses crystal-controlled oscillator and oscillator power amp; power output 2 watts (LO) or 15 W (HI). Also meter to monitor xmitter filaments and 90 V input. Requires PP-109 or -112 power supply. Tubes 4/1U4, 2E24, 2/1A3, 2/1L4, 4/1R5, 2/1AE4, 1S5, 4/3Q4, 3A4, 3/3A5, 2/3B4, 6AK5. 9x13x11.3, 42 lbs sh. #RT-68, USED, \$130.00 TRANSCEIVER, 20-28MHz, #RT-66, USED, \$100.00

PP-112/GRC 24 VDC SUPPLY for RT-66-67-68 transceivers; provides all voltages from 24 VDC 6.5 amp input. Case may have casting chip(s); 7.3x9 x13, 39 lbs sh. #PP-112, USED, \$32.00.



PP-109 Supply, 12 VDC 12 A input. #PP-109, Used, \$40

#CX-1211 INTERCONNECT CABLE, RT: PP units, \$14



R-108/GRC RECEIVER, 20 to 28 MHz-FM continuously tunable with variable squelch; 4.3 MHz I.F. Audio output: 600 ohms. RF input: 50 ohms. With tubes 3/1U4, 2/1L4, 1A3, 2/3A4, 1S5, 2/3Q4, 2/6AK5 & 0B2. Requires 135 VDC @ 70 MA. and 6.3 VDC 2 amps. 7.5x9x13.2; 32 lbs sh. #R-108, Gov't-Reconditioned, \$65

R-109 RECEIVER, same as R-108 except 27-39 MHz. #R-109, Used, \$55.00

R-442/VRC Receiver

R-442/VRC RECEIVER 30-75.95MHZ FM RECEIVER. 920 50 KHZ CHANNELS. Has noise and tone operated squelch. Normally used with antenna system AB-15, MS 116, 117, 118.

Power connections through MT-1898 mount and DC power cable, CX-4720 which are included. 13.5, x 5.8 x 8.9, 31 lb sh. #R-442, Used Reparable \$300.00



Vintage Equipment !!!

VINTAGE RADIO LINE ITEMS see our website for current stock. At time of printing we had these items in stock. All items are used not checked.

A-27 Phantom Antenna, \$45.00
ARC-1 VHF Transceiver \$115.00
BC-788 Altimeter, \$95.00
BC-906 Wavemeter, \$75.00
BX-28 Battery Box, \$25.00
C-847 VRC19 Speaker/Control \$35.00
CPR-46ACJ/ASB-5 WW-II 515 MHz Radar Receiver, \$65
CRV-21562 Power Unit, \$30.00
CV-278 Converter w/ original meter, \$125.00
I-152 Indicator, \$65.00
I-222 Signal Generator, \$50.00
PE-101 Power Unit, \$35.00
R-1/ARR-1 Receiver, \$90.00
R-5/ARN-7 Compass Receiver \$170.00
R-174/GRR-5 Receiver & PP-308 Power Supply \$250.00
RA-87 Power Supply, \$50.00
RAX Receiver, 1.4 to 9MHz, Internal AC Supply, \$75.00
RBM-3 Receiver, \$250.00
RT-7/APN-1 Altimeter, \$125.00
RT-82 / APX-6 IFF Transceiver 800 - 1300 Mhz \$100.
TS-164 Cabinet, \$35.00
Type 1 Aircraft Torpedo Camera, \$750.00
ZA/CAN1332 Canadian Remote Control, \$150.00
ZB-2 Receiver, \$95.00

USB Receiver-Exciter



RT-662/GRC-106 TRANSCEIVER, 2 to 29.999 Mhz USB-AM-CW-FSK; tunes using 5-decade mechanical switches to 1 KHz

steps + vernier. Exciter output 100 MW. Controls: Service Selector, PA Load, Squelch, Noise Blanker, BFO and audio functions. LESS Signal Level meter. Requires 24 VDC 10 amp; 7x18x13, 56 lb sh. #RT-662-UR, Used Repair, not tested/LESS meter, \$300
#RT-662-CH, "Checked" w/ meter (not original), \$500

RT-834/GRC-106A, similar to RT-662 above but 2-29.9999 MHz, 0.1 KHz increments. Used:
#RT-834-UR, Reparable no meter, \$350.00
#RT-834-CH, Checked with sub meter, \$550.00

GRC-106 MODULES for RT-662 and RT-834, most modules available except 1A3 Freq-Standard removed from "used" radios. 2 lbs sh. Price: UNTESTED, \$20 ea. Add \$20 per module for "CHECKED" modules. #MOD-(specify module #-) (specify RT #-) (untested "UNT" checked, "CH")

AM-3349/GRC-106 POWER AMP for RT-662/834; amplifies 100 MW RT output to 200 W AM or 400 W PEP. Uses two 4CX350FJ tubes. Requires 28 VDC 1 KW max; 77 lbs sh. #AM-3349-UR, Used Reparable w/ original meters, \$850
#AM-3349-AI, Used As-Is, less meters, \$450.



Manual, partial repro GRC-106/106A, #MM-GRC-106, \$45
Operator's Manual, GRC-106/106A, #OM-GRC-106, \$15
HANDSET, #H-33, used-checked, \$29.95
MIC, #M-29B, used, \$14. Headset, #H-227, \$20.00
MOUNT & SIDE PLATES, 25 lb. #MT-3140, Used, \$40.
INTERCONNECT CABLE, #CX-10099, used, \$23.00
ANTENNA CABLE, 4 lbs. #CX-10171, Used, \$25.00
TELETYPEWRITER, 100 lbs, #UGC-74, Used, \$95

TRC-68 Transceiver



RT-441B/TRC-68 Transceiver 225-400 Mhz AM. 1960's vintage transceiver, basically same as RT-323/VRC-24, rated 16 watts minimum 225 to 400 Mhz. As pictured, no case, no dynamotor/power supply. Voltages required 26.4vdc 125 vdc 300 vdc. Utilizes the following tubes. 7/5670 10/5654 6442 4x150d 7554 6/6j4 6/5670 4/ 5763. 15.2 x 9.5 x10.2, 47 lb sh.

#RT-441, Used, \$200.00
Manual Repro, #MM-TRC-68, \$40.00
#MT-1436 Terminal Box less cover. Unused, \$20.00

2-12 MHz USB 100 Watt



RT-671/PRC-47 HF TRANSCEIVER, 2 to 11.999 MHz USB (voice and CW+800 Hz) in 1 KHz steps. Output 100 watts PEP (Hi) or 20 W

(Lo). FSK possible with accessory converter (not available). Transistorized except for PL-177WA tube in power amp and 5907, 7761, and 7905. Has 5-place mechanical digital tuning, P-A Load and Tune controls, and XMTR Output Meter. Designed for field or vehicular use; operates from either 24 VDC 20 amps or 115V 400 Hz. 7x21.3x13.5, 45 lbs. #RT-671-UR, Used, \$175.00

MANUAL for PRC-47, partial repro, #MM-PRC-47, \$30
LONG-WIRE ANTENNA, 3 lbs., #AS-1321, \$23.00
HANDSET, #H-33, used-checked, \$29.95
"Y" CABLE for H-233 to RT, #CX-8396, \$12.00

Battery Cable, #CX-8395, \$14.00
BACKPACK FRAME only w/ harness, #PCY-47-BF \$15.00
ALUMINUM TRANSIT CASE, 65 lb #CY-3700, \$56.00
TUBE USED STT, #PL-177WA, \$30.00

MODULES from PRC-47 transceiver. Used not tested:

AUDIO AMP has mic, sidetone, vox & compressor circuits of TX; AGC & audio for Rx. Requires 20 & 24 VDC. 4.3x4.3x2.8, 2 lbs. #AM-3506, \$17.00



AMPLIFIER MODULATOR contains LSB 500 KHz mech filter F500-Z5 (#526-9376) plus balanced modulator and product detector. Requires 20 VDC; 4.3x4.5x1.3, 1 lb. #AM-3507, \$40.00
Connector set. #AM-3507-CON, \$7.00

CONTROL OSCILLATOR, 3 lbs. #C-4311, \$30.00

SIGNAL DATA TRANSLATOR with tubes 5907, 7761, 7905; 5 lbs sh. #CV-1377, \$46.00

RF OSCILLATOR contains 3 MHz crystal in oven; produces 500 and 100 KHz outputs. Requires 20 VDC; 4.3x4.5x1.3, 1 lb sh. #O-1032, \$23.00

POWER SUPPLY, 16 lbs sh., #PP-3518, \$29.95

PRC-41 Manpack



RT-695/PRC-41 UHF MANPACK UHF TRANSCEIVER, 225 to 400 MHz AM in 100 KHz steps counter; output at least 3 watts over range. Also has guard channel, Volume, Squelch, and U-77 connection for H-33 handset. Solid-state except for tubes 6442, 4/7077, and 4/7544. Requires 24 VDC 3 amps;

14x11.3x4.5, 22 lb. #RT-695, Used, \$169.50
Used Checked, #RT-695-CH, \$345.00
Manual for PRC-41, partial repro, #MM-PRC-41, \$23
HANDSET, #H-33, used-checked, \$29.95
VEHICLE MOUNT for PP-3700, 4lb., #MT-2977, \$11

PRC-75 Radio

RT-976A/PRC-75 UHF TRANSCEIVER, rugged handheld ground-to-air tactical synthesized radio covers 225 to 399.95 MHz AM-CW in 50 KHz steps (3500 channels). Power output >1 watt. Has three thumb operated dials to set frequency; design frequency accuracy 1 part / 100000. Also has 1000 Hz audio beacon-DF tone. RF input 50 ohms; audio output 600 ohms. Requires 18-30 VDC from battery pack (not supplied); no accessories; 1.6x4.3 x8, 6 lbs. Look nice, complete but not working. #RT-976A, Not repairable "As-Is, \$85.00



ANTENNA ADAPTER, allows for BNC coax antenna connection. #UG-1884, New, \$12.00

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PRC-25/77 Backpack Radio



RT-505B/PRC-25 TRANSISTORIZED BACKPACK TRANSCEIVER, 30-75.95 MHz FM in bands 30-52.95 MHz (Lo) and 53-75.95 MHz (Hi) with 50 KHz spacing.

Output: 1.1 to 2.0 watts; 150 Hz squelch.

Transistorized except 2DF4 tube in power amp.

Requires 3 VDC 400 ma and 15VDC 1.4 amp supplied by BA-4386 battery. RT-505B has modified A25 audio module for broadband use with C-7673/PCC-1 and CU-2194 diplexer. 4x11x14, 18 lb #RT-505B, Used, \$350 RT-841/PRC-77, Similar to above, #RT-841, \$625.00

Manual for PRC-25, partial repro. #MM-PRC-25, \$23.00 Manual for PRC-77, partial repro. #MM-PRC-77, \$23.00 Backpack Harness. #ST-138, Used Excellent, \$40.00 RIBBON ANTENNA, #AT-892, used, WRITE BATTERY / PRC-25-77, "weak" #BA-4386, 3/\$6.00 BATTERY, 1995 X-date (no UPS or air), #BA-5598, \$7.00 ACCESSORY BAG, used, #CW-503, \$8.00 #H-250-U Handset Used with broken clip, \$39.50 Original Op's Manual / VRC-53 (PRC-77 & AM-2060) #MM-VRC-53, \$23.00

AN/GRM-55 TEST SET, used

to check test points in modules of RT-505/PRC-25 transceiver and to isolate circuit problems. (Indirect tests only of modules A2, A12-13, A19-20.) Includes TS-1755 test unit, MX-4622 probe, and CG-409 BNC cable. Requires 12.5 VDC 1 W per 5 sec test. 5.5x7x8, 10 lbs sh. #GRM-55, Used, \$55.00 As above except w/ test cable CX-8593, \$75.00



PRC25 & RT524 Module Covers

Housing / Module Covers for PRC-25/77 radios. No markings on covers. Unused. A13, 15, 19 for PRC25 & A43, 45 for PRC77, #CRV-1, \$3 A16 for PRC25 & PRC-77, #CRV-2, \$3.00 A14, for PRC25 & A44A for PRC77, #CRV-3, \$3.00 A21 for PRC25 & A21A for PRC77, #CRV-4, \$3.00 A25 for PRC25 & A55 for PRC77, #CRV-5, \$3.00 A10 for PRC25 & A40 for PRC77, #CRV-6, \$3.00 A21 for PRC25 & A21A for PRC77, #CRV-4, \$3.00 A3, 4, 6, 7, 8 for PRC25 & A33, 34 for PRC77, #CRV-7, \$3 A12, A17 for PRC25 & PRC-77, #CRV-8, \$3.00 One each of the covers listed ABOVE, #CRV-25, \$15 A36 for PRC25, #CRV-A36, \$3.00 A27 Chassis cover for PRC25 & 77, #CRV-A27, \$5.00

Module Covers for RT524/RT246/R442 radios. Unused. A3400 for RT524 / RT246 / R442, #CRV-3400, \$3.00 A3500, #CRV-3500, \$3; A3600A, #CRV-3600A, \$3 A4200, #CRV-3500, \$4; A4300, #CRV-3500, \$3 A5100, #CRV-5100, \$3; A8300, #CRV-8300, \$3 One each of the covers listed ABOVE, #CRV-524, \$15 A7000 for RT246 only, #CRV-7000, \$2.00 A7200 for RT246 only, #CRV-7200, \$2.00

6 Meter Diplexer



CU-2194/URC DIPLEXER, passive two-port notch filter and combiner network; allows simultaneous use of two

transmitters, receivers, or transceiver on a common antenna provided that operating frequencies are slightly offset. Usable over 30-76 MHz FM for use with PRC-25-77 & VRC-12 transceivers; will work with commercial 6-meter equip. Has NULL METER, TUNE controls, Fine-Coarse-Monitor MODE Switch and RT1-RT2 BNC connections. Unit may function as man-portable relay terminal. Maximum RF power to each channel: 65 watts cont. Operational isolation: 45 DB min @ 2 MHz separation. Insertion loss: 2 DB max; VSWR 2.0:1 max. 4x11x7, 10 lbs. #CU-2194, Used, \$45.00; #MM-CU-2194, Original Manual, \$14.00

CV-278 Freq Shift Converter

CV-278/GR Frequency Shift Converter for the R-392 HF Receiver. Converts frequency shift signals to neutral or polar marking or spacing DC impulses. 450-500 KHz input, 20/60 ma or polar output for teletypewriter. Uses tubes 8/26A6, 2/26A7. 9.1x13.8x7.3, 22 lbs sh. Less meters & knobs. #CV-278, Used, \$30.00



PRC-6 Handheld



RT-196/PRC-6 FM TRANSCEIVER, Israeli 1950's vintage single-channel crystal-controlled in 47 to 55.4 MHz range. Output good to about 1 mW depending on terrain and weather conditions. Handheld unit has push-to-talk switch, Volume Control, ribbon antenna, carrying strap and connection for H-33 handset. Uses CR-23 crystal (not included). With tubes 6/5678, 3B4, 3/5672, 2/5676 and 2G21. Requires 1.5, 45 and 90 VDC usually supplied by BA-270 battery (not available). 15x5x4.5, 6 lbs, #PRC-6, Used, \$120.00

Original Manual for PRC-6, #MM-PRC-6, \$12.00

Crystals for PRC-6, #PRC-6-CR- (freq.), 51.0 to 54.0MHz Radio Frequency, \$22.00 ea All others frequencies are \$12.00 ea Specify 1st, 2nd and 3rd choices of desired frequency.

PRR-9/PRT-4 Radios

GOV'T-RECONDITIONED each single channel with crystal for 51 Mhz FM: PRR-9 RECEIVER with earphone, antenna, & operator manual. Requires 5 V 25 ma battery power; 7x3.5x1.5, 3 lb. #PRR-9-GR, \$50.00

Manual repro PRR-9/PRT-4A, #MM-PRR-9, \$18

Horn speaker for PRR-9. #PRR-9-HO, Unused, \$6

AN/PRT-4 w/ antenna & battery box, Used less crystal, #PRT-4, \$23.00

AN/PRT-4 "AS-IS", less crystal, antenna, & battery box; for parts or experiment, #PRT-4-AI \$10.



ARC-60 Oscillator

O-423/AR Oscillator-Relay provides 1KHz tone for "whistle-thru" tuning of ARC-60. 3.9x5x2, 3 lbs. #O-423, Unused, \$10.00



PRC-90 TEST SET

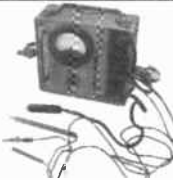


AN/PRM-32A RADIO TEST SET for AN/PRC-90 UHF & PRC-106 VHF survival radios. Requires one radio as receiver and another as transmitter. Tests 243 MHz frequency for beacon, transmitter MCW-voice and receiver outputs. Also Tx-Rx voice outputs for 282.8 MHz (PRC-90) and 121.5 MHz (PRC-106), earphone & battery test. Has 1.8" square meter with Red-Green scale, TX-Rx connector adapters for hook-up & operator's info. 3x5x4, 3 lbs. #PRM-32, Used, \$32.95 Manual repro, #MM-PRM-32, \$10.00

ARC-34 Test Set

AN/URM-76A Radio Test Set for

ARC-34 radio can be used as a DC voltmeter with the following DC voltage ranges: 1.5, 5, 15, 50, 150, 500. Uses 3.5 inch 50 micro amp DC meter. Case containing meter, 1% precision resistors, 20 position test switch, probes, aluminum case with cover. The unit can be easily modified for other test uses. 4.3x8x7.5, 8 lbs sh. #URM-76, Used good condition w/ schematic, \$21.95

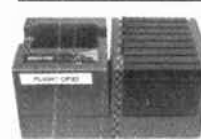


Military Battery Tester



TS-183 Battery Tester. Checks a large number of different military batteries for radios such as PRC-6, PRC-10, PRC-25, BC-620/659, GRC-9, and many many more. For a complete listing of the batteries see our website at www.fairradio.com/ts-183.htm. 10.2x15.3x7.4, 18 lbs sh. #TS-183-U, Used, \$35.00 #TS-183-GR, Gov't Recon., \$59.95

PRC-127 Battery Charger



Ni-Cd Battery Charger for the PRC-127 radio. Once the charging function is complete, the unit will automatically switch to a trickle rate to maintain the charge without overheating the battery pack.

Has indicator lights for charge in progress and fully charged. Input power 15W. Slow charge rate 60 mA - 140 mA. Fast charge rate 700 mA - 1100 mA. Requires 115/230VAC 50/60Hz. 6.8x3.3x3.4, 6 lbs sh. #CHARG-127, Used, \$35.00

BB-490 Battery/Charger

Lead Acid Battery Pack with Charger, consists of two BB-490 military batteries each rated 24VDC (2x12 VDC) 1.8 Amp-Hrs @ 0.35 amps; AM5-H6 charger fits on top of BB-490 or similar batteries and shows "charging" and "ready" on LED indicators. MPS-CH2 charger power supply output 16VDC 1.5 A from 115V 60 Hz input. BB-490 used in PRC-104, etc. radios; 4.3 x 5 x 2.5. Kit 9 lbs sh. #BB-490, Unused. \$20.00; 3 for \$50.00



Military Batteries



BA-5598 LITHIUM BATTERY for RT841/PRC-77 radio; output 12.5 VDC. Two BA's fit RT battery box. Has discharge switch to make non-reactive after final use; 1995 expire date. Class 9 hazardous item; USPS Shipping ONLY. 3.5x4.8x2.1, 2 lbs sh. #BA-5598, Unused, \$7.00

Rechargeable Nickel Cadmium Battery for PRC-68/68B/ 126/128 radios. 15 Volts 0.80 AH at 0.16 A. Date Code: 11/89. 1.5 x 4.3 x 4, 3 lbs. #406870-1, Unused, \$37.50



Military Nickel-Cadmium Battery Pack, four D-cell batteries in plastic pack produces 4.8 V 3.2 amp-Hr; 3/80 date code. 3.5x5.5x1.5, 3 lbs. #4D2704, 5 for \$10.00

BA-48 Battery for GRC-9 Receiver section. +90V & 1.5V. Date code is 0486. No stains. 8 lbs sh. All check weak! #BA-48, \$6.00

Battery Boxes



CY-7541/PRC-104 BATTERY BOX, plastic box clips onto PRC-104 backpack radio set and will hold 16 silver-zinc (or =) batteries that provide 20-32 VDC. Side unscrews to insert batteries; 3.8x12.5x2.6, 4 lbs. #CY-7541, unused, \$22.00

CY-744 Battery Box for the PRC-10 backpack radio. 9.4x9.7x2.5, 4 lbs sh., #CY-744-U, Used, \$35.00



AA-BATTERY BOX for Trimble Navigation Trimpack GPS receiver. Clips onto & allows operation of GPS from 8 - AA batteries (not included). 1.6x 6.5x1.5; 1 lb. #GPS-13828-00, NEW, \$25.00

GRC/PRC Battery Test

AN/PSM-13 BATTERY TEST SET; checks GRC and PRC-type battery packs BA-270, -279, -376, -377, -4386/398/ PRC-25, -399, and -505. Meter indicates BAD-GOOD (FS=1 MA). With adapters U-240, -241, -314, -315, -347, -410 & canvas case. 7 lbs. #PSM-13, Used excellent, \$28.00



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GRC-109 Supply



PP-2684/GRC-109 POWER SUPPLY provides voltages for RT-3/T-784 and R-1004/RR-2 from 75-260 VAC 40-400 Hz or 6 VDC 13 amp input. Meter monitors AC input; connections for RX and Tx. 10x8.5x5.5, 28 lbs sh.

#PP-2684, Used, \$35.00

PP-2684A, Similar to above except larger case with snap closures. #PP-2684A, Used, \$43.00

Manual for GRC-109, partial repro, #MM-GRC-109, \$23

VOLTAGE REGULATOR, for use with G-43 generator and R-1004; 6 ft cord with PL-244 plug; 4 lbs sh. #CN-690, Used, \$35.00

GRC-213 Amp / Supply

AM-7152/GRC-213 Amplifier / Power Supply / Squelch unit.

The unit increases audio output and provides squelch circuitry for the AN/PRC-104, which the transceiver does not itself incorporate. It also provides DC power for the PRC-104. The AM-7152 may be used with the RT-1209/PRC-104 to provide audio and squelch without the entire GRC-213 set, or with any other HF/SSB transceiver that does not have squelch capability of its own such as the AN/PRC-74 or AN/PRC-47 sets. Requires 24VDC. 10x12.5x3.5, 14 lbs sh.

#AM-7152, Used repairable, \$265.00



Military Power Supply



6130-01-113-7526, Power Supply Subassembly, Has a 6pin female, 4 pin male, and two U-228 (U-229 mate) connectors.

80064/ASSY 26962-A, MFR

97188/4129-AY1-C, Mfg by D-F Incorporated 3/92. We were not able to find any further information on this interesting power supply. 5.7x4.4x2.2, 6 lbs sh. #80064, Unused, \$99.00

600W Power Meter

ME-165/G STANDING WAVE-RATIO POWER METER, designed for use

with T-368 400 W transmitter; uses 12/ 600 ohm 50 W non-inductive resistors in parallel to provide 52 ohm 600 W load with SWR of 1.1:1 or less upto 30 MHz. Has 0-600 Watt meter, function switch Power-

Adjust-SWR-Operate, & N connections. Flanged on back for wall mount. 1.5x9.8x9.8, 20 lbs.

#ME-165, Gov't-Recon, \$150.00

Manual repro, #MM-ME-165, \$12.00



HF Radio Modem



Thrane & Thrane TT-1185 Radio Telex Modem. Mark / Space frequencies adjustable from 1Khz to 3 KHz. Phase con-

tinuous AFSK Keyaing. RS-410 type N Radio Control. Power input 90 to 240 VAC 50 - 400 hz, 20VA. 15.5x19x3.5, 16 lbs sh.

#TT-1185, Used excellent, \$75.00

BC-1000 Accessories

Impedance Matching Antenna Adapter. Adapts the BC-1000 to a coax cable. Used, #TM-217, \$7.50



ID tag for BC-1000. New Reproduction, #ID-1000, \$20

Decal set for BC-1000. New Repro, #DCL-1000, \$20

ARC Type Connectors



Hard to find ARC connectors for the WW2 Command Sets and later ARC Type 12 Radio Sets. Some of these connectors can be used as is. Some need to have guides filed off. Much information is in the Tauson book, "A Users Guide to Aircraft Radio Corporation Receivers." Also see the ARC connector catalog reproduction. Connectors are unused unless marked Used. "M" designates Male and "F" female.

ARC #	pins	m/f	Works with	Price
16743	12	f	CV431	\$19
14320	19	f	C25 Control	\$16
12370	2	f	TYPE 12 15 Power	\$14
12427	2	m	Chassis Type 12 Rec 15 Rack	\$14
14052	4	f	T11 13 Power	\$19
12337	4	f		\$14
16104	4	f		\$16
12338	8	f	15 & Command Racks w/ Mod.	\$19
15912	8	f	Modulator Command Rack	\$19
12097	8	m	Chassis type	\$14
PL-151	6	f	Modulator and Receiver Rack	\$19

A User's Guide to ARC Corp Receivers - by M. Tauson; ARC-5, ARC-type 12 etc, #BK-USER5, \$12

ARC Connector Catalog repro, #CAT-ARC, \$6.00 each

Vintage Connectors

PL-58	EE-8	\$9.50
U-31	EE-8	\$8.50
PL-59	BC-191 / 375	\$16
PL-64	BC-191 / 375	\$23
PL-134	RU-18	\$19
PL-164 2	f SCR-522	\$16
PL-167 4	f SCR-522	\$16
PL-171 6	f SCR-522	\$16
PL-172 2	f SCR-522	\$16

Three pin connector pair.

MS3114E8-3S chassis male and MS3116P8-3P cable female connector pair for audio or low current voltage use. Wire can be easily soldered to the gold plated pins.

These connectors lock together with a half turn cam action. They will not come apart from vibration. Excellent for use in vehicles and high vibration applications. Removed from unused equipment. #3PIN-PR, \$18.00 per set

GRC/VRC male connectors, specify type & equipment used. #CON-(equip)-(strain="st" crimp="ct") Used-cut-offs: Strain type, \$12 each; Crimp type, \$6

Audio Connectors: #U-77, \$5; #U-79, \$10; #U-229,\$6

Terminal Panel

Military Terminal Panel with ten heavy duty push terminals with insulation and 5 pin military audio connector U-183/U that mates with the U-229 as used on many military radios. Also has 4 pin male power connector MW20M(M)A00 M55181/2-01. The two connectors have rubber protective covers to resist moisture and dirt. 1.9x6.6x4, 3 lbs.

#TP-10, Removed from unused equipment. \$19.95



GRC-9 Accessories

Leg and seat for GN-58. #LG-2B, Gov. Recond, \$55
LG-3B Leg for GN-58. Used, PRICE PER LEG \$45.00



Crank handles for GN-58 generator. #GC-7, Used, \$40.00 per pair

Mating power connector for BC-223, #PL-149, \$21.

Antenna Base. 2 lbs sh. #IN-127, Used, \$35.00

Bracket attaches IN-127 base to RT-77 radio, French made #FT-515-FR, Used, \$6.00

As above but made in the U.S.A, #FT-515-US, \$10

Mount for RT-77, #MT-350, Used, \$25.00

Cover for RT-77/GRC-9, #CW-140, Used, \$18.00

Long Wire Antenna "As-Is", may have wire breaks: #AT-101, 4.3-12MHz, \$16; #AT-102, 2-4.3MHz, \$18

#MM-GRC-9, Original Manual for GRC-9, \$25.00

Radio Cables

CX-4720 Six foot VRC-12 power cable. Unused, \$12.00

CX-4721 Extension Cable for DC power 10ft. Unused, \$20

CX-4722 VRC Control Cable, 15 feet, \$18.00

CX-4723 VRC Control Cable, 4 foot, \$14.50

CX-7059 Cable C-2742 to RT-246, Unused, \$22.00

CX-7867 AUDIO CABLE, 25' U-229 /-228, \$12.00

CX-11016 2/19 pin male connectors 6 ft. Unused, \$12.

CX-12991 KY-57 to PRC-77 CRYPTO cable NSN 5995-01-058-2513. Used, \$14.00

CX-13089 Vehicular power cable for use with MX-7777 or vehicles with 3 pin power sockets. 5 ft 4 conductor #14. Unused, \$12.00

Vehicle power socket 3 pin female to mate with CX-13089 cable. #CONN-13089, Unused, \$14.00

36" long cable with a GRC 4 pin female connector for T-195, GRC-106, GRR-5, etc. on one end. May need rewired for proper connection to radio. The 4 pin connector is a commonly used on many GRC equipment for power in. 2 lbs. #GRC-CBL-36, Used, \$26.95

CD-670 HV Cable for BC-191 / BC-375. Has PL-59 female connectors on each end. 5 foot long. \$50.00

#CX-13134/U DC power cable 3 pin connector fits MX7777, Crown CC229935-2P, and 4 pin PTO6E-8-4S. Unused, \$14.00

#CX-13143 6 Ft DC power Cable for the AM-4979 and AM-6747 amplified speakers. Unused, \$14.00

#CX-13306/VRC Sincgars Power Cable 2 ft, \$18.00

Crypto Cable RT-1209 PRC-104 to KY-99. 2 feet. #CBL-104, Used, \$20.00

#SM-D-915890 Battery back up cable for UGC-74 MS3116E-12-3S, other end fits the batteries used with PRC-25/77. Unused, \$17.00

U-77 to U-229 Coiled Audio Cable. 8 foot long stretched. #SM-D-875498, Unused, \$17.00



Adapter, 33" cable with a U-77 audio connector on one end and two U-79 connectors (mates to U-77) mounted on a panel box on the other end. #J-654, Used, \$14.00



Spanner Wrench

Spanner Wrench for Military GRC Connectors. Fits the retainer ring on the GRC and VRC connectors. Makes it much easier to take those connectors apart. Set contains the following sizes: 0.6", 1.25", 1.45", 1.6", 1.85". 1 lb sh. #SPAN-GRC, Need cleaning. \$16.95



MANY ITEMS NOT LISTED - TELL US YOUR NEEDS

Radio Mounts



MT-1029/VRC Vehicular Mount for RT-246 & RT-524/VRC -12 transceivers. 5x12.5x16, 19 lbs. #MT-1029-U, Used, \$35.00; #MT-1029-GR, Gov't-Recond., \$60

MT-1898/VRC Mount for companion R-442 receiver 5x6x12.3, 15 lbs.

#MT-1898-U, Used, \$30; #MT-1898-GR, Recond., \$38

ARC-164 MOUNT, retrofit ARC-164 into ARC-34 mount. Rear rack connector & front plug for ARC-164. 5x13.8x11, 11 lbs. #MT-6147, Used, \$30.00

Robinson Aviation shock mount 848-2. Looks like its good for about 5 pounds. For base 5.5 x 7.5 inches with screw clamp on front. 2 lbs sh. #848-2, Used, \$12



TCS Transmitter / Receiver shock mount. Shockmounts are not original, but look correct. #MT-TCS-4, 4 shock mt, \$40 #MT-TCS-6, 6 shock mt, \$45

MT-4658 Mount for ARC-159. 3 lbs sh. #MT-4658, Used, \$23.00

FT-161 Mount for BC-357 Beacon Receiver, 3 lbs sh. #FT-161, Unused, \$10.00

MT-759 Mount for AM-598. Less canvas strap. #MT-759, Used, \$18.00

MT-6378 / GRC-193 Mount for CU-2064 Antenna Tuner. This mount has the base for the antenna. #MT-6378, Unused but hasn't been in packaging for a while. \$170

MT-6233 / GRC193 mount for AM-65445, CU-2064, AM-6879. #MT-6233, Unused, \$275.00

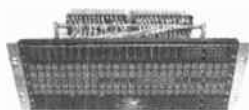
AIC-10 Intercom System

RE-94 / AIC-10 Interphone Control includes AM476 solid state audio amplifier, call button, volume control. 27VDC required w/schematic. 5.6x3.6 x3.6, 4 lbs. #RE-94, Used, \$16.95

LS-184/AIC-10 Aircraft Dynamic Loudspeaker with AM-492 amplifier, usually used in the fuselage of larger aircraft and in the wheel well for ground crew communication. Power required 28 VDC and 170 VDC for 4/5718 or equal tubes. 7.3x8.2x4.2, 6 lbs sh. #LS-184, Used, \$29.95 7 pin connector for above, #7P-LS184, \$21.00

TM11-5831-200-35 Field and Depot Maintenance Manual Intercommunication Set, AN/AIC-10 Covers C-823, C-824, C-825, AM-476, AM-476A, DY-77, DY-76, RE-94, LS-184, AM-492. #MM-AIC-10, Repr., \$40.00

Patch Panel



SB-3189 Audio Communications Patch Panel. Normal 1/4 inch phone fits 52 pairs ADC jacks. Jacks are spaced for double phone plug.

Each jack 2 normally closed and one SPDT. Some panels are red, some are grey. 17.5x19x7, 31 lbs sh. #SB-3189, Used good condition, \$169.50

Canvas Bags & Covers

BAGS & COVERS may be used or unused. May have minor wear, tears or discolor:

CW-212 Canvas Bag for GRR-5 with adjustable straps; 10x9x5, 4 lbs. sh. #CW-312, \$35.00 each



SHOULDER BAGS with adjustable straps: Used: #BG-175, 10x8x10.5, \$18.00 #CW-189, 10x9x10, \$12.00

GRC/VRC EQUIPMENT COVER #CW-140 for GRC-9, Used, \$18.00 #CW-329 for GRC-3--8, Unused, \$16.00

ANTENNA ROLL BAGS 1/ MS-116 etc mast sections, #CW-206-U, Used, \$7; #CW-206-UN, Unused, \$18. #BG-174, Used, \$18.00



Cargo Sling-Heavy Duty Tow Straps.

This item is a 15,000 pound cargo sling and consists of four sections, each is constructed of four 15 feet seat-belt type OD nylon straps which are looped on one end with an 76

inch chain and catch arrangement on the other. The loop ends are all joined together by a large loop of webbing. This loop can be removed to separate the four individual straps for use as tow straps or whatever. #CS15K-SLING, 105 lbs sh. Unused, \$79.50

Single strap from above w/ chain and catch, #CS-STRAP, 25 lbs sh. \$30.00

BC-620 / 659 Accessories

ALIGNMENT ADAPTER for BC-659 transceiver; allows changing of crystals and alignment of the set without the use of an external meter. Mounts inside the BC-659. 2 lbs sh. #M-399 \$6.50 Adapter 1/ BC-620, #M-394, \$6.50

ALIGNMENT TOOLS for BC-620/659: #TL-150 or #TL-207, \$6.50

RIGHT ANGLE, #MC-136, \$6.00

T adapter for MC-124, #MC-203, \$9.50

MC-127 Spin Tuning Knob for spline ARN-6 & BC-229, #MC-127, \$9.50

TA-145 Switchboard



TA-145 Telephone Repeating Coil Assembly Switchboard, Consists of a row of 12 pairs of binding posts, a row of pin jacks, and 4 repeating coil which is supported by brackets attached to the terminal board. Originally used with TA-125 Terminal Box. 14x5.5x2.5, 10 lbs sh. #TA-145, Used, \$29.95

Directional Coupler

Rockwell Directional Coupler for the AN/GRC-171B 20 watt, 200-400 MHz transceiver. SMA connector for RF input. RF output uses BNC connector. NOS# 5985-00-588-5285, 4.8 x 1.3 x 1.3, 1 lbs sh. #ROCK-DIR, \$30.00



225-400 MHz DIRECTIONAL POWER DETECTOR used in AM-6155 UHF power amplifier. Rated 65 watts forward; 15 watts reversed. Forward/reversed DC output proportional to output/mismatch; sub-mini connectors provided. "N" RF connections; 4.5x1x1.3, 1#. Coaxial Dynamics #3023, Used, \$21.00

TA-1 Phone



TA-1/PT Telephone, sound-powered unit requires 2 conductor field phone wire connected to another TA-1 for communication without batteries. Palm-operated generator provides approx 100V to "buzz" signal another phone; also visual indicator. Has coil cord with push terminals for wire hook-up and plastic carrying case. 8.5x3.5x3.5, 4 lbs sh.

#TA-1, Used Checked, \$65.00 each; 2 for \$120.00

TA-312 Field Phone

TA-312 FIELD TELEPHONE rugged light-weight unit replaces famous EE-8 field phone and is usable with them. Includes G-42 crank generator, BZ3 clacker call signal, H-60 handset, and canvas carrying bag w/ strap. Requires 2 D-cell batteries (not supplied.) 12x7x4, 12 lbs.



#TA-312, USED-CHECKED, \$110.00

Manual for TA-312, partial repro, #MM-TA-312, \$14.

TA-341 Phone



TA-341/TT TELEPHONE SET push-button 4-wire unit for use with tactical switches using four C-cell batteries; usable in conventional point-to-point telephone line (plug may need changed) Range >3.2 km. Signal out 900-3400 Hz digital tone; 90 V 20 Hz signal in. 4.5x10.5x10.5, 10 lbs. sh. #TA-341, Used, \$25.00

TA-954 Phone

TA-954/TT NON-SECURE DIGITAL VOICE TERMINAL used in Tri-Tac comm-system: 4-wire set xmits and receives diphas-modulated digital voice and loop signaling info at 16K or 32K bits. 125 ohm line impedance 125 ohms; range 4 km using WF-16 field (no stock). Requires 24-56 VDC, Tone pad has characters 0-9, FO-F-I-P-R-O-C; also Volume L-H Ring - Receive & H-350 handset. Plastic case is EMI/EMC static protected. 7.3x4.5x10, 8 lb sh. #TA-954-GR, Government Reconditioned, \$125.00



Field Phone Wire



Field Telephone Wire, WD-1A/TT twin lead zip cord style grey, green, or brown vinyl-covered steel wire. Intended for use with EE-8, TA-43, TA-312 and similar field phones.

100 feet of WD-1A wire less spool, #WD-1A-100, \$20
50 feet of WD-1A wire less spool, #WD-1A-50, \$10

Antenna Tether Wire

306 FOOT SPOOL of vinyl-covered braided #22-size intended for use with above; usable on the ground as long-wire antenna also. On spool; 3 lbs. sh. #SEB-400X3, unused, \$14.95



Hydrogen Generator

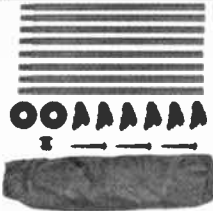


M315B HYDROGEN GENERATOR, used to provide hydrogen for 4' balloon p/o CRT-3 Gibson Girl rescue radio. Has 1200 grs

of calcium hydride crystals in long can which, when immersed in water, produces hydrogen gas. (EXTREME CAUTION must be exercised in the performance of this process because hydrogen gas is dangerously flammable and the liquid calcium by-product is very caustic!) Cans are dented; suitable only for recovery of calcium hydride. 11.6"L x4.3" dia. 4 lbs. #M315B, Unused-dented, \$10.95

CHECK OUT OUR LATEST FEATURE ITEMS AT FAIRRADIO.COM

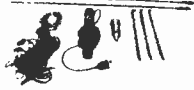
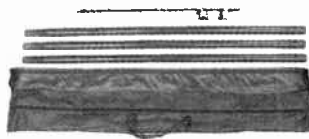
Mast Kits



29.6 foot Mast Kit comes with eight 1.8" diameter sturdy fiberglass mast sections, two high quality plastic guy rings, 300 feet of rope (cut according to your need), three guy stakes, insulator, and weather proof bag. 55 lbs.

#ANT-KIT-29-U, Used, \$159.50
#ANT-KIT-29-UN, Unused, \$199.50

12 foot Military Mast Kit. Comes with: three 47" long x 1 3/8" fiberglass mast sections, one 8" top mast section which holds two horizontal aerial antennas and also has 16 feet of RG-58 coax with a male BNC connection at the end, two 28" antenna elements that thread to the top section, one guy ring with guy rope, three 9" stainless steel stakes, one 27" long mast base which mounts directly into the ground, and O.D. green carrying bag with handle. There is no indication of a model number on the assembly. Excellent for field day or other portable antenna use. 12 lbs sh. Unused, #MK-12, \$55.50 ea As above except with Ground Plane Antenna. #GPA-MK-12, Used, \$49.50 Mast Section only, #MS-MK-12, Used, \$12.00 each



HEAVY DUTY NYLON BAG, ideal for mast kits along with MANY other applications! High quality Cordura Nylon is coated for water repellency, rot and is mildew resistant. Bag has 1 1/2" web handles that wraps around bag for added strength. Two zipper slides for easy opening. Overall size: 44" long x 9" deep x 7" tall. 3 lbs sh. Comes in OD Green. #BG-1244, New, \$39.50 each; 3 / \$99.50

applications! High quality Cordura Nylon is coated for water repellency, rot and is mildew resistant. Bag has 1 1/2" web handles that wraps around bag for added strength. Two zipper slides for easy opening. Overall size: 44" long x 9" deep x 7" tall. 3 lbs sh. Comes in OD Green. #BG-1244, New, \$39.50 each; 3 / \$99.50

Mount Brackets

BRACKET for mounting 2" dia antenna bases like AB-15 to vehicles or other flat surfaces. Mount plate 6.3"W x 4"H; base hole center extends 3.9" from plate. 4 lbs. #SM-B114371, Unused, \$15.00



Angle Bracket for attaching MP-50 or similar mount bracket to corner of vehicle. Bolts for MP-50 and drilled for side mount; 5 lbs sh. #SCC-28591, Unused, \$13.00



Guy Ropes

MX-516 Halyard, 140' nylon rope, insulator & pulley Used with AB-155 & AS-244. Used, \$14.00

GUY ROPE SET, 3x20' lengths, #GY-12/42, Used, \$9

ROPE, 80', #M378, \$7.00; 10', #M379, \$4.00

12" Guy Stake

12" Aluminum Guy Stake. Has 1/4" diameter hole near top of stake. #GS-12, Used, \$3.00; 5 / \$10.00

Aluminum Guy Stake, Overall length 7.3" x 5/16" diameter. #GP27B, Used, \$3.00; 4 / \$10.00



Mast Sections

3-FOOT MAST SECTIONS (left), WW-2 & Korean War vintage: painted copper-coated steel. Sequentially screw into the other; 3/16" dia MS-49 top section the smallest. Self-supports to 15 ft; MS-53 can fit into another MS-53; 1 lb sh. May have surface rust; We no longer have the MS-51 which is necessary. Select from MS-50-52-53, #MS-(specify #-)U, Used some rust, \$4.00 ea #MS-(specify #-)UN, Unused, \$7.50 ea MS-54 Mast Section. Unused, #MS-54, \$12.00

MS-116 & MS-118 MAST SECTIONS, each 39.3"L. MS-116 is stackable bottom section, MS-118 tapered top; fit AB-15, AB-652, MP-65 & UG-558 bases. 1 lb ea. MS-117 mast is no longer available. #MS-116-U, Used \$4.50; #MS-118-U, Used \$7.50

Unused, Unpainted Masts with removable dark spots. #MS-116-UN, \$9; #MS-117-UN, \$13; #MS-118-UN, \$11 #AB-21-UN, \$9; #AB-22-UN, \$11; #AB-24-UN, \$9; #AB-24-UN, \$9

AB-21-23-24 Mast Sections, similar to MS-116-117-118 except 27" length each. AB-21 is bottom & stackable section; AB-24 is less the ball tip. 1 lb each. #AB-(specify #-), used, \$5.50ea

PRC-Type Antennas

AT-272A RIBBON ANTENNA & AT-272 FLEX-BASE SET for PRC-8-9-10; 2 lbs #AT-272, Unused, \$18 SHORT FLEX BASE only f/ AT-272A, #272-BO, used, \$4 SHORT FLEX BASE only f/ AT-892, #892-BO, used, \$12 RIBBON only for AT-272A, used, #272-RO, \$10.00 RUBBER BASE f/AT-271 (PRC-8-9-10) #AB-129, \$5.00 RUBBER BASE f/AT-271 (PRC-25-77) #AB-591, \$12.00 37.5" Ribbon Antenna for PRC-126 and PRC-128 but not PRC-68. 2 lbs. #37695721153-3, Unused, \$14 RIBBON ANTENNA f/ PRC-6 radio, #PRC-6-RA, Used, \$12 WHIP f/ Canadian CPCR-26, #AT-5001, used, \$10.00 M-422 ADAPTER for using MS-116/AB-23 masts with PRC & BC-1000 as long antenna, #M-422, \$10.00

Mast Bases

AB-15 MAST BASE for MS-116-117-118 or AB-21-22-23-24 masts; rubber flex spring with 3.3"Lx3" dia ceramic insulator & bottom terminal. Mounts in 2" dia hole. O/a 15"L, 3 lbs sh. Used with small chips in the ceramic insulator, #AB-15-U, \$10.00

As above but used good condition, #AB-15-UG, \$18

AB-558 BASE for MS-116-117-118; mounts to SC-D-189023. 16"Hx6"dia; SO-239 conn. #UG-558-U, Used, \$15.00

As above but unused, #AB-558-UN, \$40.00

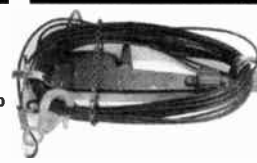
MP-68 MAST BASE, makes ground plane antenna when used with combinations of AB-21-24 or MS-116-118 whip masts installed as three radiating elements plus one vertical. Has center 3" dia ceramic feed-thru insulator with UHF connection and sockets for elements. Clamp on bottom allows installation on top of 1.6" dia masts like AB-35 (RC-292) or MS-44 (AB-155). 13"Hx5"Wx5"D, 5 lbs. #MP-68, Used, \$35.00

IN-127 Antenna Base holds three MS-116 and one each MS-117-118 mast sections. 14.5"L black plastic. 2 lbs #IN-127, Used, \$35

Mast Adapter

Mast Adapter. The top fits AB-85, MS-44, & AB-35 masts with an outer diameter of 1 3/8". The bottom has an inner diameter of 1 15/16". It is 8.7" long. 2 lbs sh. #MA-44, \$12.00

Steel Guy Assembly

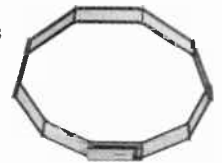


1/8 inch steel guy cable on steel bracket with locking pulley and tension adjustment. Use for field day antenna guy or other wire support use. May not have plastic over steel cable. 9 lbs., Used,

#GUY-44, 44 ft, \$26.00
#GUY-62, 62 ft, \$32.00

Crystal Radio Kit

All the parts you need to construct a crystal radio. 3 plate sliding capacitor, 10 sided (Decagon Loop Antenna), germanium detector diode, and high impedance ear piece. Tunes broadcast band. Because of the large loop antenna, an outside antenna is not required. The capacitor and loop need to be assembled. Hardware, information and necessary parts included. 1 lbs sh. #CP-10DEC, Unused, \$27.95



Same as above except a Hexagon loop (6 sides) 330 microhenries, aperture of 153 sq in. #103DE, \$24.95

Loop Antenna, (as pictured above) Each loop is constructed of interlocking plastic structural bars and spreaders to form the loop. The spreader has notches for 24 turns of enameled wire which is wound around the framework. Each section of the loop is approximately 3"x7.5" Hexagon loop kit (6 sides) 330 microhenries, aperture of 153 sq in. #HEXLOOP, \$9.95 Octagon loop kit (8 sides) 490 microhenries, aperture of 280 sq in. #OCTLOOP, \$12.95 Decagon loop kit (10 sides) 660 microhenries, aperture of 440 sq in. #10DECLOOP, \$14.95

Flat plate sliding capacitor kits use w/ above loops. Three plate capacitor 10 - 180 pf #3PLATECAP \$13 Five plate capacitor 10 - 365 pf #5PLATECAP \$15

Loop Antenna



AT-784/PRC DIRECTION FINDER LOOP ANTENNA for use with PRC-25-77; covers 30-76 MHz in five bands. Controls FINE TUNE 0-10 MHz in 1 MHz steps and ATTENUATOR 0-40 DB in 10 db steps. Includes AT-1082 loop with whip, and 8 foot cable. Collapsed size 8x6x3.5, 5 lbs. #AT-784, Used, \$39.95

Manual repro for above. #MM-AT-784, \$18.00

AS-2360 Loop Antenna receives 0.53 Mhz to 10 Mhz, useable to 20.5 Mhz. Impedance 50 ohms, Null depth 25 db, bearing error less than 2 degrees. Originally part of TRQ-23 radio receiving set. The base of the loop contains a loop cathode follower with varactor diode for tuning, two rf amplifiers, and an output cathode follower using 4/6612 tubes which require 36 v B+, 1.1v filament. Tuning voltage 0-102 vdc, gain voltage 0-37 vdc, sense relay 24 vdc. Comes with canvas bag. 6.4x26.2x61.8, 30 lbs sh. #AS-2360, Used, \$250.00 TRQ-23 Op's Manual & Schematics repro, #OM-TRQ-23, \$23.00



CALL US AT 419-223-2196 or 227-6573

24 HOUR FAX 419-227-1313

C. Crane Antennas



AM Antenna With Twin Coil Ferrite. The biggest advancement in AM radio antenna design in over 50 years! The best

compact AM antenna for a portable radio or home stereo. It increases available daytime stations dramatically and reduces nighttime fade out by 99%! Can also eliminate heavy static and distortion. Tuner Size: 3.3" W x 4.3" H x 1.3" D. Antenna Head Size: 8.5" W x 2.5" H x 1.3" D. New, #TCA, \$99.95

Remote Kit, you can set the Antenna Element closer to a window or even outside, away from the noise and interference. You'll dramatically improve reception on weak AM stations in brick, stucco or metal-sided homes, and virtually eliminate static.

25' remote installation kit. #J25, New, \$19.95
50' remote installation kit. #J50, New, \$29.95

The FM Reflect is an affordable FM antenna that is equal to or better than the best indoor antenna made. Great signal to noise ratio. Works with any portable or stereo receiver. Incorporates a new dipole design for maximum gain across the FM band. Up to 213% more powerful than a standard dipole antenna. Comes with "F" connector, balun spade connector and alligator clip. Size: 54" element with an 8' feed line. 2 lbs sh. #FMW, New, \$24.95

ARC-60 Antenna



AT-701/ARC-60 UHF Antenna is a quarter-wave, base fed, inverted L-type design 6" vertical x 7" horizontal x 1/4" dia. 2 lbs sh. #AT-701, Used, \$12.00

UHF Dipole Antenna

AT-413/TRC DIPOLE ANTENNA for 225-400 MHz, originally part of large array. T-top elements extendable 3" each end to adjust reception; 20" max T-width. Mount flange moves to adjust height. Type C connection on bottom. O/a 15.5"H, 12 lb. #AT-413, Unused, \$19.95



AS-1729 Parts

#MX-6707 Base. Used, \$100.00

Mast Spring only for MX-6707; 4 lbs.
#AS-1729-MS, Used, \$12.00

Upper Mast. 64" long, 4 lbs. #AT-1095, Used, \$21.00

TIE-DOWN KIT for AS-1729 including tie-down rope and plastic cap for AT-1095, #AS-1729-TD, New, \$10

Manual repro for AS-1729, #MM-AS-1729, \$18.00

MOUNTINGS for MX-6707 p/o AS-1729, USED:
#SCD-189023 f/ base. unused, \$25.00
#SCD-446058 corner. used, \$10.00; unused, \$25.
EXTENDER for SCD-446058.
#445058-EX-U, used, \$7; #445058-EX-UN, unused, \$12

Blade Antenna



#5985-168-8383, Unused, \$50.00; 2 for \$75.00

AS-2485/ARC-114 BLADE ANTENNA used with 30-76 MHz ARC-114 radio set; BNC connection. 24"H x 42"L, 15 lbs sh.

Rams-Horn Antenna

AS-580A/ARN-30 Rams-Horn Antenna with two dipoles. The forward dipole is used as a glide-slope antenna while the rear dipole is used as a VOR and localizer antenna. Each antenna is terminated with a BNC connection located on the base. Antenna originally used with the ARN-30D aircraft radio that covers 108 to 126.9MHz. Overall 23.8"Dx17.3"Wx11"H, 6 lbs sh. #AS-580, Used with some cracks in the plastic, \$40.00



LF-DF Antenna



AT-780/ARN-59 DIRECTION FINDER ANTENNA, 190 - 1750 KHz. Has ferrite loop, 26 V 400 Hz motor & Tx selsyn for drive direction. Operates in circuit on 26 V 100 Hz. W/ 14 error compensator screws, 0-360 scale visible under glass dome & schematic. 3.8x6.5x6.5, 8 lbs. #AT-780, Used \$36.00
#NG-AT780, above no glass, \$26.00

AS-313/ARN-6 DF ANTENNA, similar in function to above, but earlier design; 10x11x5, 18 lbs sh. #AS-313, Used, \$35.00



Hy-Gain Antenna



HY-GAIN MOBILE-COM ANTENNAS, new: 760-SERIES, include 52" whip, 2.5"H spring base, 18" RG-58 coax cable, PL-259 connector & UG-175 reducer; 5 lbs sh. unused, \$12.00 ea:
#761 (30-33MHz) #767 (33-36 MHz)

KATHREIN WHIP, 64-470 MHz; cut 4 foot length; 1-hole mount, 15' RG-58 coax. 4 lbs. #K50-54-4, \$18.
+ + + + +
TELESCOPING CHROME ANTENNAS, \$3.50 each:
#TCA95-380, 9.5"L to 38"L; 6-32 thread mtg screw
#TCA84-144, 8.4"L to 14.4"L; 5/32" dia base hole
#TCA60-125, 6"L to 12.5"L, 10-24 thrd mtg screw

CB Antenna Mount

Chrome-Plated Steel Spring. For 3/8"-24 Threaded Whip. With hardware. 4 1/8"H x 1 5/8"D. Unused, #21-1118, \$12.00

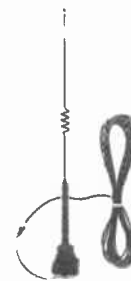


Chrome-Plated Swivel Ball Mount Base. For 3/8"-24 Threaded Whip. With hardware. Unused, #21-1115, \$12.00

HYE-QUE

BUDWIG HYE-QUE dipole center antenna insulator & strain connector for long-wire set-ups; full legal power capacity + weather-tight polymer construction. Strain assembly with PL-259 connection for lead-in wire drop. #HQ-1, NEW, \$11.15
#HQ-2, insulator pair, New, \$2.86/ pair

Cellular Antenna



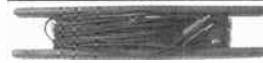
Cellular Mobile Antenna by Antenna Specialists with trunk lid mount. 824 to 896 MHz with 3DB gain. Antenna capable of adjusting 25 degrees any direction. Antenna has a female TNC connection. Kit comes with 15 feet of RG-58 cable with a male TNC connection on one end, cord clip, mylar tape, bracket channel, a separate TNC male connector, and allen wrench. Antenna with mount stand around 30". 3 lbs sh. #ASP-917, Unused, \$21.95

Long Wire Antenna

AS-1321/PRC-47 LONG WIRE ANTENNA 45 ft vinyl-covered with insulators at 15" and 25"; clips at insulators adjust length. Designed for use with 150 W HF transceiver; 4 lbs. #AS-1321, Used, \$25.00



Dipole Fixture



DIPOLE FIXTURE, part of PRC-74 long-wire antenna set. H-shaped has 25i vinyl-covered 2-conductor copper wire: 2.5x12x1, 3lbs sh. #DP-MK-911, Unused, \$7.00

Impedance Match



CU-459/AR IMPEDANCE MATCH NETWORK, black plastic bullet-shaped designed to mount to aircraft wing. Holds two AT-624 antenna elements (not available); 50 ohm BNC-conn. P/o AN/ARA-31 24-49 FM MHz homing set; 4.3x3.3. 2# . #CU-459-UN, Unused, \$9.00
As above except used, #CU-459-U, \$4.00

KY-149/AR KEYSER, couples homing antenna to radio; requires 28 VDC. Has a 28VDC globe 60 RPM gear motor. 2.3x7.7x4.9; 3 lbs #KY-149-U, Used, \$12; #KY-149-UN, Unused, \$17.95



Screw Anchor



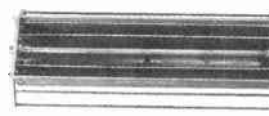
20" long Antenna Screw Anchor . 3" diameter. 4 lbs sh., #ANCH-103, Used, \$16.00

Trailing Wire Antenna

WT-7A Trailing wire antenna weight 4.25" x 2.5" on 12" leader. 5 lbs sh. Used, #WT-7A, \$18.00



Trough Antenna



TROUGH ANTENNA. No info on this, but we put a sweep generator and spectrum analyzer on a pair and they seem to work with good response from 900 to 1200 mhz. The frame is fiberglass and there is a dipole about 5 1/8 inch overall with reflectors about 24.5 inches long. Connector is HN type. Overall size 25x10x5, 8 lbs sh. #ANT-TROUGH, Unused, \$49.50

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Microphones



600 ohm Uni-Directional Dynamic Microphone. Frequency

response: 50-15,000Hz. Effective output Level: -54dB. 8.5' cord with a gold plated two way plug for 3.5mm or 1/4" phone plug. With on/off slide switch. Mfg by Merry. #DM-35. Unused, \$5.00 ea; 3/\$12.00

Handheld Dynamic Power Microphone. Impedance of 1.2K ohm. Frequency response of 300-6KHz. Coiled cord with a 4 pin female connector. Marked TransVideo but made by Merry #DMC-510, Unused, \$15 each; 3/\$30



GM Delco Microphone for mobile communications; black with PTT switch, coil cord and 5 pin

male connector. #GM-DEL-MIC, Unused, \$12.00

+++++

T-45 MIC Carbon type 100 ohm 50 db below 1 mv, flat response with PL-291 two contact male plug, 11" cord. #T-45, Unused, \$9.50



LIP MIC for CW49507 or H-62 headset; 100 ohm, #CW-51071, \$23.00

#M-29B MIC with U-77 plug; for T-195 T-368, etc. USED \$14.00

#M-52 MIC with 5 foot cord & PL-68 plug. UNUSED, \$14.00

#M-80C MIC, unused, \$16.00

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WW-2 CHEST SETS



#T-26A, Recond, \$9.00; #T-46/TD3, Used, \$9.00

RS-83 Mask type Aircraft Microphone by Telephonics. Mic is Hi-Z (100K ohm) and has a 16.5" cord with a 33" extension cable that has a push to talk switch. #RS-83, Unused, \$18.00



Shure Mic

Shure Unidirectional Dynamic Microphone.

Ball-type. Dual HI Z & LO Z Impedance. Spherical grille is a very effective wind and pop filtering, ideal for closeup vocal miking. Symmetrical cardioid pickup pattern minimizes feedback. Lockable On-Off switch. Frequency response 80 - 15KHz. 3 pin XLR connector. Swivel adapter. 3 lbs sh. #588SDX, Unused \$70



Handsets



H-250 HANDSET w/ push-to-talk button, coil cord & U-229 plug. #H-250-U, Used w/ broken clip, \$39.50

#H-350, Used Checked, \$40.00

H-33/PT HANDSET for GRC-3-8, PRC-10; Has stretch coil cord with U77 plug. #H-33, Used Checked, \$29.95

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TS-9* HANDSET, p/o EE-8 field phone; 2 lbs. #TS-9, Used, \$19.95



TS-9 Handset wired like TS-13/15 for use with BC-1000 radio. #TS-9-1000, Used checked, \$30.00

Handset f/ BC-1000, #H-23 (or =), \$40

H-90 HANDSET, like TS-9 but w/ U-77 plug; #H-90, \$14.00

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Beige Standard Handset newer style mfg by ITT, #BEIGE-H, Unused, \$4.00

JEN-20 HANDSET w/ AMPLIFIED receiver for hearing impaired; black or beige. #JEN-20, NEW, \$18.00

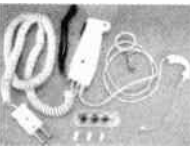


Western Electric Handset with 1903

patent date; black painted brass handset with PTT-switch appears to be same as TS-7 handset used with pre-World War-2 EE-5 field phone. 3-wire cloth cord. 4 lb. #D14842, used, \$50.00

Plantronics Headsets

Starset Supra Amplified Operators Headset with voice tube by AT&T. Cushioned earpiece with adjustable headband. Comes with clothing clip and plug amp. Brown color. Unused in the original packaging. 2 lbs sh. #KS22990-L1, \$34.50



ACS Operators headset that fits over the ear with six earpieces of various sizes. Has dual connector with 1/4 inch plugs (similar to PL-55) for connection to system. #SMD-0-102-15, Unused, \$35.00

Headbands



Hard to find HB-7 Headband for the famous HS-23 and HS-33 headsets. Less connector. 2 lbs sh. #HB-7, Used good condition, \$49.50

Old Military Black Leather Headband. Holds a 1 3/4" receive element. 2 lbs sh. #BLK-BAND, Unused fair condition, \$14.00 each; 2 for \$24



Headband by Murdock f/ R-14, #HB-5, \$16.50 each; 2 for \$26.00

Headsets

VRC-12 HEADSETS



H-251 HEADSET w/ vinyl cushions, 24" coil cord; black color.

#H-251-U, Used, \$10

#H-251-UN, Unused, \$14

#H-251-A-U, Used, \$12

#H-251-A-UN, Unused, \$18

H-161E HEADSET with 300 ohm boom mic, push-to-talk switch, & CX-8650 Y-coil cord; vinyl cushions. Black. #H-161E, Unused, \$69.50



H-195 HEADSET & BOOM MIC, rubber-covered single 300 ohm phone element, 40 ohm mic & push-to-talk switch. Similar to H-144 except has 10 foot cord with PJO-55 & -68 plugs; 4 lbs sh. #H-195, Unused, \$30.00



WIRELESS HANDS-FREE HEADSET for two-way FM radio communications in high noise environments. Uses throat mic and ear cushions with EPA noise-reduction rating of 23 DB. Operates on 49.86 Mhz; controls for Volume & Squelch, Velcro adjustable head web and mic straps, 6" antenna and fiberglass case. Requires two 9 V batteries; #7800H, New, \$85.00



H-113 600 OHM HEADSET, similar to CW-49507 except O.D. green color with cushions and PL-54 plug on 18" cord; 3 lbs. sh. #H-113, unused, \$8.95; 2 for \$15

HS-30 HEADSET 250 ohm impedance light-weight WW-2 era set has cord wired to CD-604 500:4000 ohm matching transformer and PL-54 plug; 3 lbs sh. #HS-30-U, Used, \$12 #HS-30-UN, Unused, \$24.00



H-63 HEADSET and BOOM MIC, 600 ohm receive and 100 ohm M51 mic elements; with JJ-055 and 3-pin jacks. 3 lbs. #H-63, Used, \$9.95

H-264/PRR-9 EAR-PLUG HEADSET, coil cord & 2 mm dia jack; 300 to 2500 Hz response. #H-264, NEW, \$5.00



CTE49214 headphones f/ WW-2 MAB radio; no scull cap, #CTE49214, \$9.00



H-227 HEADSET, with two 300 ohm elements in 4" x 3.5" vinyl cushions, 42" coil cord, and U-77 plug. Used with GRC-3-8, GRC-106 radios. OD-green & black; 2 lbs. #H-227, Used, \$21.95

Accessories



GSA-6 CHEST GROUP SA-142 PPT-switch & CX-1077 cable w/ U-77

plug connect H-63 headset to GRC radios. #GSA-6, Used, \$7.50

PHONE PLUGS,

#PL-354 red. used, \$5.00

#PL-55 on 30" cord. used, \$2.50

PL-55 equivalent 1/4" phone plug with

no cord. #M462/4-1, Unused, \$2.50

PL-55 on a 5 foot cord. #CX-1201,

Unused, \$5.00

PL-68 (or =) Mic plug. #PL-68-U, \$5;

DOUBLE PLUGS, unused:

#D178542 (WE289) for headsets, etc. \$4 #2PPC f/ switchboards, \$4.00

JACKS,

#JK-33 PHONE JACK to fit PL-68 plug.

Used, 2/\$1.20

#JK-34 PHONE JACK to fit PL-55 plug.

Used, 2/\$1.20

MIC ELEMENTS, checked:

#F-1 for TS-9, \$5.00

#M-51 for H-63, M-29, \$5.00;

#M-235 for H-33, \$6.00

#TA-117 for H-60 (TA312), \$6.00;

RECEIVE ELEMENTS, checked:

#1227 (or =) for H-33 receive, \$6 ea;

TS-9 receive element, CALL

#TA-235 for H-60 (TA312), \$6.00

#R-30 receive element for HS-30, \$1.25

SWITCHBOARD CORDS

#G2-SWB-46, grey cloth-covered cord with double 310 plug on each end: 46"L, 2 lbs. \$6.50

#500286-104, red with black cloth covered cord with double 310 plugs on each end; 50"L. \$14.00

#500286-106, as above but 75"L. \$16

#500286-110, as above but 118"L. \$18

#500286-115, as above but 178"L. \$20

#500286-120, as above but 240"L. \$22

#WE-338A, dirty light brown dual cloth covered cord w/ double 310 plugs on each end; 17"L. \$10

CD-604 CORD with impedance matching transformer 500 ohm to 4000 ohm; 6" cord & PL-54 plug. P/o HS-30 headset. #CD-604-U, Used, \$3.50 #CD-604-UN, Unused, \$6.50 Same as above except 78", #CD-605-U, Used, \$6.00



4 Conductor Brown Cloth Covered Cord for Headsets, etc... 6 feet. #CORD-4C, Unused, \$25

MIC COIL CORD, 1-shielded, 2-wire not; stretches 30"-42". #SH-CC3042, NEW, \$3.00

"Extra-Stretch" Phone Coil Cord 4 ft to 25 ft extension w/ modular jacks; tan. #T425-MOD, New, \$3.50

"Y" CORD

#CD-620F, molded 16"L legs & 6" cord w/ 2 lugs each end. For HS-30 Headset. \$3.50

HEADSET CUSHIONS

#M-301 4" Chamois cushions for HS-23 or HS-33, \$10.00pr

#M-300 Inserts for HS-30, Unused, \$3.50 pr

EMAIL US YOUR INQUIRIES AT FAIRRADIO@FAIRRADIO.COM

Plugs & Jacks

1/4" Connectors

1/4" STEREO PLUG WITH STRAIN RELIEF, NICKEL. Solder connections. Spring cable guide.

#CA022, 2 for \$1.30; 4 for \$2.20

As above except mono, #CA021, 2 / \$1.30; 4 / \$2.20



RIGHT-ANGLE 1/4" STEREO PLUG WITH STRAIN RELIEF, NICKEL. Solder connections.

#CA026, 2 for \$2.00; 4 for \$3.20

As above except mono, #CA025, 2 / \$2.20; 4 / \$3.60



1/4" Mono Jack with strain relief, Silver plated, Spring cable guide, Solder connections. #CA035, \$1.25; 4 for \$4.40

As above except Stereo. #CA036, \$1.15; 4 for \$4.00



1/4" Mono Panel-Mount Jack, Open Circuit, #CA039, 2 for \$1.20; 4 for \$2.00

As above except Stereo. #CA041, 2 for \$1.60; 4 / \$2.80

1/4" Mono Panel-Mount Jack, Closed Circuit, #CA040, 2 for \$1.20; 4 for \$2.00

As above except Stereo. #CA042, 2 for \$1.20; 4 for \$2.00

1/8" Connectors

1/8" Mono Plug with strain relief, Nickel, Spring cable guide, Solder connections. #CA003, 2 for \$1.20; 4 / \$2.20

As above except Stereo. #CA004, 2 for \$1.50; 4 for \$2.40



1/8" Mono Jack, Nickel, Spring cable guide, Solder connections.

#CA011, 2 for \$1.50; 4 for \$2.40

As above except Stereo. #CA012, 2 for \$1.50; 4 for \$2.40



1/8" Mono Panel-Mount Jack, Mono / Close circuit, Solder connections, With insert switch, #CA015, 3 for \$1.20; 10 for \$2.95

RCA Connectors



NICKEL-PLATED PHONO RCA PLUG. Spring cable guide. Colored identification ring. Solder connections.

Boot color black, #CA063B, 2 for \$1.80; 4 for \$3.20
Boot color red, #CA063R, 2 for \$1.80; 4 for \$3.20

RCA JACK.

Boot color black, #CA064B, 2 for \$2.20; 4 for 4.00
Boot color red, #CA064R, 2 for \$2.20; 4 for 4.00

XLR Connectors



3 Pin XLR Nickel-Plated Long type. Solder connection. New,

3.2" long Jack, #CA096, \$1.89 ea: 2/\$2.99
2.8" long Plug, #CA097, \$1.89 ea: 2/\$2.99

Short Type version of above. New,
2.8" long Jack, #CA092, \$1.89 ea: 2/\$2.99
2.4" long Plug, #CA093, \$1.89 ea: 2/\$2.99

Short type version as above except 4 pin. New,
Jack, #CA102, \$1.89 ea: 2/\$2.99
Plug, #CA103, \$1.89 ea: 2/\$2.99



3 Pin XLR Panel-Mount Nickel Plated Jack. New,
Jack, #CA104, \$1.89 ea: 2/\$2.99
Plug, #CA105, \$1.89 ea: 2/\$2.99

As above except 4 pin. New,
Jack, #CA108, \$1.89 ea: 2/\$2.99
Plug, #CA109, \$1.89 ea: 2/\$2.99

Toilet Seats



Phone jack spring covers for WW2 Navy sets. Also useable on BC-1000, BC-659, BC-620 and others, but not exactly right. The hinge assembly is not the same. Unused, #CMX-23429. \$5.75 each. 10/\$50.00

Other toilet seats available similar to above. Black wrinkle phone jack cover. #PJ-TS1, Unused, \$3.50 each

Olive Drab phone jack cover. #PJ-TS2, Unused, \$3.00 each

ART-13 Parts

ART-13 CRYSTAL CALIBRATOR, provides 50 KHz fundamental using 200 KHz crystal. Sold LESS 200KHz crystal. Also 1000 Hz tone for MCW. Tubes 2/12SL7, 12SA7; 6x5x3, 4 lbs sh. #XCAL-ART-13, Used, \$35.00



ART-13 PA Plate meter. #PMTR-ART-13, Used, \$25.

ART-13 Antenna Current meter, no transformer, #AMTR-ART-13, Used, \$25.00

Male connector fits DY-17, #U9, \$35.00

Female connector fits ART-13 power, #U7, \$55.00

Female connector for C-87 control box, #U6, \$30.00

Male control connector for ART-13, #U8, \$30.00

Female Connector Dynamotor Power for the ART-13 (substitute for U10). #U10, \$40.00

Knobs for ART-13

Antenna loading 0-100, 200-100 #KN1-ART-13, \$12.

Antenna tuning coarse Triangles marked 1-13 ccw. #KN2-ART-13, \$8.50

Antenna tuning fine 100-0, #KN3-ART-13, \$12.00

High Frequency tuning Triangles 2 - 18 mhz, #KN4-ART-13, \$8.50

High Frequency tuning fine 0-99 over 360 degrees. #KN5-ART-13, \$12.00

Small indexing dial from High Frequency tuning and also used on some of the plug-ins.

#D-ART-13, Unused, \$4.75

T-bar locking bar for ART-13 tuning knobs.

#T-ART-13, \$4.75

PAX Series Card

The DeviceNet Option Card (PAXCDC30) is designed for the PAX series of meters. It fits into the Comms slot of any PAX meter and allows the meter to communicate with a DeviceNet bus. The card supports Polling, Bit Strobe, and Explicit Message Commands. The MAC ID and the Baud Rate are switch adjustable via a DIP switch. A bicolor LED is used to indicate the meter's status in relationship to the bus. Made by Red Lion. #PAXCDC30, Unused, \$44.95



455 KHz BFO

PERMEABILITY-TUNED 455 KHz BFO COIL from R-392 receiver. Originally used with 5-55 pf variable capacitor but fixed cap may be substituted. Oscillation without parallel capacitor: 452-480 KHz. Good basis for BFO for any receiver with 450-465 KHz IF; w/ schematic. 3.3" L x 1.5" dia, 1 lb. #BFO-T602/R392, USED, \$17.95



ARC-187 Cards

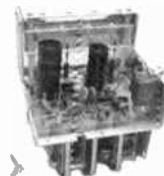


ARC-187 Receiver RF/Modulator circuit cards removed from ARC187 for some TCTO. These two circuit boards were the heart of the transceiver. No schematics or hookup info. Mostly discrete components with some surface mount. More pictures at www.fairradio.com/arc187.htm
Each board is 4.5x4.2x0.8, 2 lbs sh. #CB-ARC-187, Used good condition, \$25. both circuit cards.

RF Amp. / Preselector

Harris RF301/GRC-165 2-15 Mhz RF Amplifier/Preselector section contains V1 6DC6, V2 12BY7 which provide tuned grid/tuned plate amplification for the RF receive amplifier and the transmit driver. Band switch does not have detents, 14 1/2 mhz bands. 1/ERC 6025 and 1/ERC 5020.

Power required 200 VDC, -36 Vdc and 6.3 vac. An excellent basis for QRP set or experimentation. 6.3x6.5x6.7, 5 lbs sh. With schematic and info. #RFA-165, \$24.95; 2 for \$45



5 MHz Standard



FREQUENCY STANDARD MODULE from R-1051* and RT-618* radios; usable as replacement or adapt to other need where standard is required. Crystal oven with 5 MHz crystal provides 5 MHz sinewave output (approx 1.8V) plus possible non-sine outputs dual 500 KHz, 1 &

10 MHz. Designed stability: 1 part in 10 / day. Requires 18-24 VDC input. 4.4x3x4.5, 2 lbs. used crystal only is checked, other outputs may need repair, #6625-078-4718, \$29.95 w/ schematic

RF Exciter

RF EXCITER MODULE from 1980's HF transceiver; mixes 500 KHz USB signal with synthesized frequency to produce and amplify modulated RF. Synthesizer (not available) supplied 74.5/75.5 (LSB/USB) and 77-105 Mhz depending on desired output frequency; RF output is low level. Requires +5, +12, -12, +28 VDC; with pinout. 1x7.8 x3.3, 2 lbs. #RF-EXC-1512, unused, no info, \$25.



RF-550 Modules



Harris RF-550 HF receiver & RF-131 exciter modules; 4.1x2.1 x5.9, 2 lbs sh. USED, not tested:
#A2A8/RF550 High Band Phase Lock Loop. \$38.00

#A2A14/RF550 Low Band Phase Lock Loop, \$37.95
SCHEMATIC packets,
#SCH-(specify #), \$8.50 ea w/module purchase.

Infrared Device

INFRARED RECEIVER/DEMODULATOR as used in televisions and VCRs for remote control; has infrared detector and an IC for signal processing. Requires 5 VDC; 0.7x0.6x0.6, 1 lb sh. #IFRD-TV, Unused, \$2.50 each; 6 for \$10.00



PLACE YOUR ORDER OVER THE WEB AT FAIRRADIO.COM

Velleman Electronic Kits

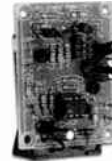
Kits require insertion and soldering of components! Pictures are shown after assembly.



UNIVERSAL MONO PRE-AMPLIFIER. This kit has been developed as pre-amp for a number of audio applications where there is insufficient input signal. Applications as a microphone pre-amplifier or for level correction. Power supply: 10-30VDC / 10mA. Output impedance: 1Kohm. Adjustable output level: max. 40dB. Frequency range : 20Hz to 20KHz \pm 3dB. Max. input signal : 40mV. PCB dimensions: 1.2" x 1.7". #K1803, \$13.00

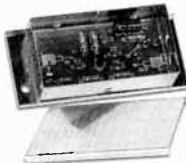


SIGNAL TRACER/INJECTOR. This signal tracer /injector has been designed to inject or detect a specific signal into an audio circuit in need of repair (such as amplifiers, radios, tone controls, ...) so as to detect the fault. In this way problems can be traced more easily. The signal tracer may also be used as a simple monitor or amplifier. Independent injector/tracer. Injector - 0-2.5Vrms output (adjustable), output impedance: 1.5Kohm, frequency: \pm 1KHz. Tracer - 3.5mV to 10Vrms sensitivity (adjustable), gain: 40dB, input impedance: 50Kohm. Output power: 0.5W / 8ohm. Power supply: 7-9VAC or 9-12VDC / 150mA. PCB dimensions: 2.4" x 2.1". #K7000, \$29.95



SIGNAL GENERATOR. Signal output: sine wave, triangle, square wave and integrator (selectable through jumper). Signal frequency: about 1KHz (fixed). Output level: adjustable from 0 to 100mVrms (LEVEL potentiometer). Requires 9V battery (not incl.). 2.2" x 1.6". #MK105, New, \$6.80

UNIVERSAL STEREO PRE-AMPLIFIER. Frequency range 40Hz - 30kHz (-3dB). Maximum input voltage 50mVrms. Adjustable gain 40dB max. Output impedance 1Kohm. Requires 10-30V DC / 5mA. PCB dimensions 1.7" x 2.6". #K2572, \$19.30
Recommended Power Supply Kit, #K1823, \$15.95

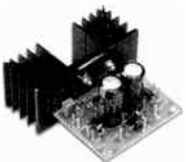


AM/FM ANTENNA AMPLIFIER. This amplifier provides 22dB gain wherever you need it. DC power supply directly or via the coax cable. Metal housing included. Gain: 22dB. Power supply: 12V to 15V / 3mA.

Input and output impedance: 50 - 75ohm. Frequency range : 10MHz to 150MHz. Note: It is important to put the amplifier as close as possible to the antenna. 3.4" x 1.4" x 0.9". #K2622, \$24.98

7W MONO AUDIO AMPLIFIER.

This small amplifier is constructed around the TDA2003 IC, capable of delivering 4Wrms at 4ohms. The IC is completely thermally and short-circuit protected. A conventional direct current can be connected as supply. Music power output : 7W / 4ohm. RMS output: 3.5W / 4ohm or 2W / 8ohm. Total harmonic distortion: 0.05% (1W / 1KHz). Frequency response: 20Hz to 20KHz (-3dB). Signal/noise ratio : 86dB (A weighted). Input sensitivity: 40mV / 150Kohm. Overload and short-circuit protected. Supply voltage: 15VDC (8 to 18VDC possible) / 0.5A. 2.2" x 1.4". #K4001, \$15.98



2 X 30W AUDIO POWER AMPLIFIER. This small amplifier is constructed with the TDA1521 IC, with a maximum supply capability of 2 x 15Wrms (4ohm) of 2 x 10Wrms (8ohm). The IC is thermally and short-circuit protected. Additional

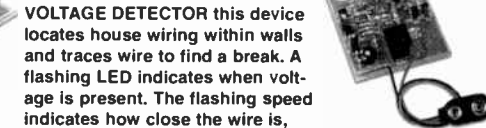
rectifier and smoothing filter are unnecessary, as alternating current can be directly connected to the unit. See our website for further specifications. 2.8" x 2.0". #K4003, \$34.98

TELEPHONE AMPLIFIER.

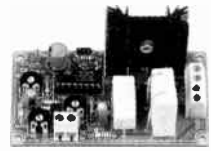
This telephone amplifier may be used as a free-standing amplifier with speaker, e.g. to listen to a telephone conversation, or the output may be connected to an amplifier or mixing panel (e.g. radio stations). Input - isolation transformer interface. Speaker output 0.5W / 8ohm. Line output 0dB (0.775Vrms). Requires 7 - 9V AC or 9 - 12V DC / 150mA. PCB dimensions : 2.5" x 2.1". #K4900, \$17.98



Recommended housing, #G416, \$10.60



VOLTAGE DETECTOR this device locates house wiring within walls and traces wire to find a break. A flashing LED indicates when voltage is present. The flashing speed indicates how close the wire is, approx 3.9 inches maximum. For audio indication you can add buzzer SV4/12-S. 9V battery (not included). 2.2" x 2.5". #K7101, \$12.80
Recommended housing, #G407, \$6.40



DC TO PULSE WIDTH MODULATOR for control for DC motors, lighting, small heaters. Pulse width modulation (PWM) produces a series of pulses whose duration is proportional to a DC voltage. This allows for very efficient control of DC motors and other DC operated devices. Overload and short circuit protected. Input voltage 8 - 35 VDC output current 6.5A. Dimensions: 3.4" x 1.9" x 1.8". #K8004, \$26.98



MULTIFUNCTION RELAY SWITCH. 15 functions including timers, switching, flashing, interval, random switching, ... Two pre-programmed delays. Learning mode for delays of 2s up to 12 days. Pushbutton control. EEPROM for delay time storage in case of power failure. On-board transient filter for the relay contacts. Suitable for control of incandescent lighting, halogen lighting, fluorescent lighting, fans, valves, buzzers, ... Requires 9-12VAC or 12VDC. Max. load : 2.5A (275W / 110V). 3.4" x 1.5" x 1.0". #K8015, \$28.98
Recommended housing, #G410, \$7.00



10-CHANNEL, 2-WIRE REMOTE CONTROL. Control 10 devices using only 2 wires up to 55 yards apart. Microprocessor controlled. Inputs can be push-buttons, switches or open collector outputs. The receiver section provides 10 open collector outputs that control relays directly. Terminal block connectors for all input and output connections. All outputs are provided with LED indication. Can be used with: K6711, K8000RS, K8006, or relay cards: K6714, K6714-16. 10 open collector outputs : 50V / 100mA. Requires single 12-15V AC or DC, 300mA. Dimensions: control pcb : 2.7" x 2.0" x 0.6"; receiver pcb: 4" x 2" x 1". #K8023, \$42.98

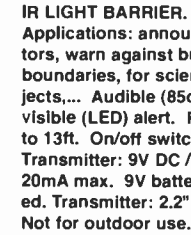
3 WATT MONO AMPLIFIER. Small but powerful amplifier suits a wide range of applications such as: microphone amp, for doorbells, intercom, sound effects, earphones, radio receivers, PC sound card, musical instrument, etc.. 3 Watt RMS. Freq range: 50Hz - 20KHz. Gain: 32DB (40X). Short circuit & thermal protection. Requires 6 - 15VDC. Current consumption 500ma max. 1.6" x 1.9". #K8066, \$16.80



WATER ALARM. Gives alarm sound when water is detected. Incorporated alarm buzzer. Water sensor can be placed at a distance by cutting the board and using wires to connect the sensor. Requires 9V battery (not incl.). 1.8" x 2.8". #MK108, \$5.60



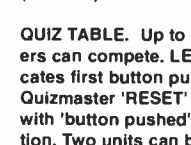
INTERVAL TIMER. For intermittent operation of circuits and equipment. Blinking light, video/photo single frame shooting, slide projector control, miniature models. 3A/24V output relay with dry switch-over contact. Pulse time adjustable: between 0.5 and 5 sec. Pause time adjustable: between 2.5 and 60 sec. Power supply: 12Vdc / 100mA. 1.6" x 3.4". #MK111, \$6.00



IR LIGHT BARRIER. Applications: announce visitors, warn against burglars, set boundaries, for science projects, ... Audible (85dB) and visible (LED) alert. Range 3.3ft to 13ft. On/off switch provided. Requires - Transmitter: 9V DC / 50mA max; Receiver: 9V DC / 20mA max. 9V battery holder and adapter jack included. Transmitter: 2.2" x 1.6". Receiver : 3.9" x 2.0". Not for outdoor use. #MK120, \$9.60



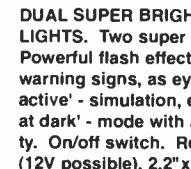
RUNNING MICROBUG. Attractive bright colored bug-shaped miniature robot. The microbug is always hungry for light, it drives towards it! Two open chassis sub-miniature motors. Adjustable light-sensitivity suits almost any light condition and allows to control it's 'bug-like' behavior. LED 'eyes' indicate driving direction. Stops in total darkness. Requires 2 x 1.5V AAA batteries (not incl.). 4.0" x 2.4". #MK127, \$12.20



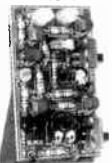
QUIZ TABLE. Up to four players can compete. LED indicates first button pushed. Quizmaster 'RESET' -button with 'button pushed'-indication. Two units can be daisy-chained for eight-player-fun! With on-off switch. Requires 9V battery (not included). 4.3" x 3.1" x 1.1". #MK133, \$12.20



CLAP ON/OFF SWITCH. Operate your lighting with a simple hand-clap. Ideal for disabled or elderly people. Good immunity against surrounding noises. '1-clap' or '2-clap'-mode selection. '2-clap'-mode features built-in safety turn-off timer (5h approx.). Output relay 'pulse' or 'toggle' selection. Microprocessor controlled. Output relay with LED-indicator. Requires 12V DC / 150mA. With DC adapter socket. 3.1" x 2.9" x 0.9". #MK139, New, \$20.80



DUAL SUPER BRIGHT FLASHING RED LIGHTS. Two super bright red LEDs. Powerful flash effect for emergencies, warning signs, as eye-catcher, 'alarm-active' - simulation, etc. 'Auto turn-on at dark' - mode with adjustable sensitivity. On/off switch. Requires 9V battery (not included) (12V possible). 2.2" x 1.3" x 1.6". #MK148, \$9.20



MANY MORE KITS AVAILABLE AT fairradio.com/kits.htm

ARC-5 Parts

SCR-274/ARC-5 COMMAND SET replacement parts:
 #7277 6-9.1 MC 1st IF, \$6.50
 #7279 " " 3rd IF, \$6.50
 #5856 " " oscillator \$6.50
 #7249 5.3-7 MC BC-458/T-21 xmmitter PA coil, used, \$7.50

Discriminator



PHASE & LOAD DISCRIMINATOR determines if load is <, >, or = to 52 ohms; also if R, C, or L. 3rd output relative to antenna current; with schematic. 2x3 x3, 2 lbs. #T201/180L, \$11.00

Cavities

Western Electric 1012A 475 - 525 Mhz cavity. Two type N connectors. 11.5x6.2x6.1, 10 lbs sh. #CAV1012A, Used good condition, \$49.50



220 Mhz Celwave cavity tunes approximately from 190 - 240 mhz. Type N connector. 21" long x 6.1" diameter. 9 lbs sh. #CPX220-12, Used good condition, \$99.00

135 MHz Tunable Cavity



118 - 135 Mhz Tunable Cavity. This is a large three section cavity for use in the range 118 to 135 MHz. No specifications available. Those of you who know about cavities could probably modify it for other frequency ranges. This unit has stepper motor and

encoder on each section. Bodine Hysync DC Stepping Motor 23X1BEHD Caltech Corp Bit encoder 8 bit Absolute 33X121. No info on circuit to use these motors, but you can manually tune the cavities or design your own control circuits. 8.3x26.5x42.9, 70 lbs sh. #TC-135, Used excellent condition, \$110.00

900-1100 MHz Cavity

TRANSMITTER TRIPLER / PRESELECTOR CAVITY MODULE from TACAN system in 900-1100 MHz range. Consists of preselector and four silver-plated cavities originally gang-tuned using ball-chain drive (not available) 10x7.5x2, 7 lbs sh. #4-CAV-93, used, \$57.00



Triplexer



TRIPLEXER from cellular application by Fuji Electrochemical Co. #EF-T02, Frequencies are as follows - Transmit: 835MHz, Receive: 880MHz, Lo: 784.36MHz. Has female push-on SMA connections for Transmit, Receive, and Lo and a female TNC connection for Antenna. Cast aluminum housing with a removable cover. o/a 4.3x1.5x0.8, 2 lbs sh. Appears to be unused, #EF-T02, \$5.00

850-895 MHz Modules

Modules from digital air to ground phone system. Receive frequency was approx 850 MHz and transmit 895 MHz. Removed from equipment-Excellent:



DITCOM MICROWAVE DF-2575 CIRCULATOR for 850-895 Mhz; 500 watts CW max, 3 KW peak. Isolation 20 DB min; insertion loss 0.3 db max. VSWR 1.25:1. Two SMA, one N conn; 1.4x1.7x1.3, 1 lb. #DF-2575, \$18.00

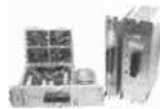
FERROCOM 9K15-S CIRCULATOR, 840-900 MHz; T-shape SMA-N-SMA conn. No further info; 1.9x1.9x1. #9K15-S, \$18.00

MILCOM 2-WAY COMBINER for 800 MHz, 2- SMA female & 1- male connections; 1.8x2.8x2, 2 lbs. #240-089, \$23.00



800-900 MHz Modules

MODULES & COMPONENTS from airline phone system operating in the 800 to 900 MHz range:



#IFPC COMMON module has two receiver input and two transmitter output sections. Has parts two each of Motorola filter 0850E05140 and 0895E05141, M/A- COM 7N526-6016 circulator in one section. Also 47.5 Mhz local oscillator, 5 Mhz piezo osc and IC's N80C169KB 16 MHz CPU, 27C256-20 32Kx8 EPROM, 3/84256-10L 256Kx4 RAM & related IC's. Requires +28, +12, -12 V; 11x6.5x3.2, 7 lbs sh. #IFPC, \$20.00

#IFPC-T/R MODULE, stripline receiver RF/IF and low power xmmitter boards plus oscillator/AGC board each in separate cavities. Components S80C652-1 MPU, 2/84256A-10 RAM, 27C256JL EPROM, two Sony 20102A D/A CONV, etc. Requires +12, -12 +5 VDC; 11x6.5x1.5, 5 lb. #IFPC-T/R, \$15.00

#AFF-PS MODULE, powered both above modules; has switching supplies Callex #24S12 (24 VDC in to 12 VDC 1.7 A out) and #12S5 (12 VDC in to 5 V 400 MA out); two RO Assoc 220-400 VDC input uVERTERS with one 28 VDC 10 A out and other 12 VDC 10 A out; and Vicor DC-DC Converter 250 VDC 35 W in to 5 VDC 25 W out. Also flat heatsinks, capacitors, etc. 11x6.5x3.3, 7 lb. #AFF-PS, \$12.00

8-12 GHz Oscillator Assy

8-12 Ghz Oscillator assembly from some Gigatronics device. Federal Stock Number is 6625-01-191-1980. The assembly consists of an Avantek YO85-2218 8 - 12.4 Ghz oscillator and a Virtech VX-8012 Circulator or Filter??? 4 lbs sh. #101CA15400, Unused, \$100.



Wavemeters



p/o AM-1956/ GRC-50 Rx/Tx 1350.5-1849.5 MHz FM oscillators; cal book for tuning CHN #, MAIN TUNE, OUT FREQ, & REC OSC. BNC connections; 3x3x9, 5 lbs sh. #WAVE-1956, Used, \$20.95

1700-2600 MHz WAVEMETER, 20-turn vernier tunes in increments of 1. BNC connections; 1N21 diode output. On 3.5"W bracket; o/a 4.8"Hx2", 2 lbs sh. #SMD-302123, used, \$29.95

Bird Power Monitor

BIRD 4162D RF POWER MONITOR, rated 220-405 MHz 40 W. Measures incident and reflected power; VSWR 1.1:1 max. Usable over 145-500 MHz. Output 100 ua @ 5K ohm. RF connectors; output C, input BNC. DB-9 for DC outputs. 1.8x4x1, 1 lb sh. #4162D, NEW, \$22.95



SWR Indicator Circuit



STANDING-WAVE RATIO INDICATOR CIRCUIT, assemble a SWR meter using this 1.8" square 0-10 scale (FS=2 ma) meter

with filters, rectifiers & modified Schering bridge. One pair of bridge arms is resistive, the other capacitive. Circuit is balanced when antenna is tuned to 52 ohms resistive resulting in "0" reading on meter. Bridge: 2.5x 2.3x1, 2 lbs sh. #M701/CU-991, Used, w/info, \$19.95

SWR / Discriminator pull out from AM-3349/GRC-106 Amplifier which covers 2-30 MHz at 200 Watt AM and 400 Watt PEP. Has two R/A mini BNC connections and a 15 pin DB connector with 15 pin mating connector. 3.2x2.6x2.2, 2 lb. w/ schematic. #SWR-3349, \$12.00



SWR BOARD for HyGain radio; no further info. #PTSR006AOX, \$1.50

QRP Circuit Boards

SHORT-WAVE CW EXCITER/ TRANSMITTER by Ryan Communications; tiny 2"x4" high quality circuit boards cover active segments of ham radio low band frequencies @ 1.25 W CCS from 12 VDC power input into 50 ohms resistive. Output increases from 0.75 W-2.5 W as input varied from 10-16 VDC. RF Harmonics > 30 DB. Has 2N3019 power amp transistor and double Pi-net. Provision for HC-6-33 xtal; norm-open contact-closure required for output.



#SW-2, 1.8-2.0 MHz, \$37; #SW-4, 3.5-4 MHz, \$30; #SW-10, 10-10.6MHz, \$25; #SW-14, 14-14.7MHz, \$25 #SW-21, 21-21.9MHz, \$33

Noise Activated Switch



NOISE-ACTIVATED SWITCH with sensitivity adjust and mic; 6 VDC input, 2"x2". #54-91, \$1.75 ea; 7 for \$10.00

S-Line Mechanical Filter

Circuit Board with #526-9310-009 mechanical filter model F455Q3. This "Y" style filter will fit S-Line equipment. 100K ohm in/out impedance. 3.5dB bw is 18kc, 70dB bw is 70kc. IF frequency of the filter is 455KHz. The circuit board also has two 5636 sub-mini tubes and various resistors and capacitors. No further info on circuit board. 3.9x3.5x0.8, 2 lbs sh. #CB-MECH, Used, \$15.00 each



Cubic R3030 IF Section



FIRST IF SECTION CUBIC FRONT END CONVERTER AMPLIFIER FROM CUBIC R3030 HF RECEIVER.

This module was the first gain and first conversion module in this premium receiver. First conversion used LO 40.455 - 70.455 Mhz, and second conversion used fixed LO of 40.455 Mhz to produce the IF output of 455 KHz. These oscillator signals came from another module which is not available. This module has the factory seals on it and is in excellent condition. 4.2x8.1x1, 3 lbs sh. #2140-1102, \$80.00

MANY ITEMS NOT LISTED - TELL US YOUR NEEDS

VHF Doubler Module

A9 5820-00-411-1472 VHF DOUBLER BUFFER MODULE 116 - 150 MHZ Circuit consists of doubler, buffer and level/gain control. transistors are 2N4072 doubler, 2N5109 buffer, 2N2222 gain control amp. Power required +20 VDC. W/schematic. 6.75 x 3.75 x 1.5 overall 2 lbs sh. #Doub21-1472, \$12.95



TRANSISTORIZED CRYSTAL OSCILLATOR and BUFFER, 56 to 99 Mhz with 75 °C temperature controlled oven. Requires 5th overtone HC-6 (20 pf) crystal (not supplied). Has external oscillator input plus tuning meter & oven output. Requires 12-18 VDC regulated for oscillator; 22-39 VDC 1 amp for heater. W/BNC and SMA RF connections; DEC-9P plug for power. Part of GRT-21/22 xmitters. 6.5x2x3.3, 3 lbs sh. #OSC-8004290G1, used with Schematic, \$9.95



Collins Modules

Speech Processing Modulator for the SSB ARC-38A transceiver with two each F250Z4 Collins mechanical filters 926-9130-921. Center freq 251.8khz. Contains microphone amplifier and speech clipper circuits, balanced modulator for USB operation. With tubes 5896, 6021, 2/5840, & 6112. 3 lbs sh. #SPM-ARC38, Used, \$40.00

1 Mhz James Knights Modulator Crystal Oscillator plug in module. Output drives locked divider tubes to produce 500khz, 250khz, 100khz. Crystal oscillator module requires 28 VDC. 250 VDC and filament voltages also required for divider circuits. With tubes 5/6021, & 5636. With schematic. 3 lbs sh. #MCO-ARC38, Used, \$25.00

Collins 250 KHz IF assembly from ARC-38 transceiver. Has mechanical filters. F250A65 and F250Z4. Two 250KHz IF transformers. Tubes 5814, 3/5749, 5726. 3 lbs sh. #IF-ARC38, Used, \$35.00



250KHz Crystal Oscillator w/oven. 2/5749 tubes. #CO-250, Used, \$10.95

500KHz Crystal oscillator w/oven. With tubes 5654 & 5814. #CO-500, Used, 17.95

618S 250KHz IF Amplifier F250A67 250 khz mechanical filter 2/5726, 3/5749. 3 lbs sh. #IFA-618S, Used, \$19.00



BC-746 Tuning Units



BC-746 Tuning Units for the POGO STICK radio BC-745 / SCR-511 radio. We have the following:

Channel 2, 3825kc no crystal #746-2-NC, \$12
Channel 4, 4845kc unused w/ crystal #746-4-WC,\$23
Channel 9, 3655kc used w/ crystal #746-9-WC,\$18
Channel 11, 4780kc no crystal #746-11-NC, \$12
Channel 12, 5030kc no crystal #746-12-NC, \$12
Channel 13, 5700kc no crystal #746-13-NC, \$12

BC-347 Interphone Amp.

BC-347 Interphone Amplifier, Part of RC-34, RC-35 or RC-36. Power required 14 VDC & 150-250 VDC. 5.8x3.9x2.4, 4 lbs sh. #BC-347, Used, \$16.95



Hardware

HARDWARE ASSORTMENT of washers, screws, nuts, rivets, terminals; 2 lbs sh. #HWA-2, \$2.50

Dual Banana Plug - Red. For standard banana jacks. #CM13R, \$1.40 ea; 4 for \$4.80
Dual Banana Plug - Black. #CM13B, \$1.40 ea; 4 for \$4.80

DUAL BINDING POST RED/BLACK. For standard banana plugs. Distance between connectors is 0.79". Drill hole is 0.15" (x2). 1.5" x 1.3". #CM14R, New, \$1.59; 3 for \$4.32



As above but gold plated contacts. #CM15R, \$2.19; 2 for \$3.99

BINDING POST for Banana plug. Length is 1.7". Drill hole is 0.3". Black color, New, #CM3B, 2 for \$1.50; 4 for \$2.60
As above but Red, #CM3R, 2 for \$1.50; 4 for \$2.60

BANANA PLUG. Solder connections. Length is 1.7". New. Black color, #CM9B, 5 for \$2.25; 10 for \$4.00
Red color, #CM9R, 5 for \$2.25; 10 for \$4.00



As above but gold plated. Black color, #CM10B, 2 for \$1.40; 4 for \$2.40
Red color, #CM10R, 2 for \$1.40; 4 for \$2.40

HEX SPACERS

male-female thread or female-female (f-f) : #HEX-(thread)-(length)

Length	per 20	per 100
4-40 threads 1/4" dia metal		
1.375	\$6.50	\$19.50
6-32 threads 1/4" dia metal		
0.375	\$3.50	\$12.00
0.625	\$4.25	\$14.00
0.75	\$4.50	\$14.50
1.5 (f-f)	\$5.00	\$16.50
1/4"-28 threads 7/8" dia:		
2.87	4/\$4.25	20/\$16

TERMINAL STRIP with 28 silver-plated 0.8"Hx0.4" dia spring push-down binding posts on 15.3x3.9 x0.4" thick black phenolic board. Phenolic may have minor chips; 4 lbs sh. #TM-184-PT, Used, \$23

Older version of above with 0.6" dia white-brass screw-down terminals, #TM-184-ST, used, \$26.00

AUGAT single 8-terminal PC mount: 2"Lx0.6"W: #4PCV-08, 10/\$8.50

VARIABLE TERMINAL STRIPS, pairs removable to decrease or increase length. #GE-V12-TERM, 12 terminal pair 1.3Hx8.3Lx2"W, \$3.50
#BUC-V8-TERM, 8 terminal pairs 0.4"Hx3.5"Lx0.8"W, \$3

Wire Terminal Assembly by Reliable Electric #5591, Unused, \$3.00

SHOCK MOUNTS you bolt to equipment.

STYLES:



#SM-4A, 4 #,	\$1.20	#SM-6B, 6#,	\$1.20
-9A, 9#,	\$1.50	-12A, 12#,	\$1.75
-12B, 12#	\$2.00	-15B, 15#,	\$2.25
		-50C, 50#	\$3.50

Control Boxes



C-375 Control box for radio sets GRC-3--8 or VRC-8--10. Unit is a remote junction point and switching unit for the control and audio lines to two sets. 3.2 x 6.8 x 7, 6lb, #C-375, Unused, \$26.00

C-2742 VRC Remote Control Box works with the RT-246. 3.3x6x4, 4 lbs. #C-2742, Used, \$30.00



C-434 Local Control for GRA-6 system, Allows remote control of radio by field phone and wire. #C-434-U, Used, \$33.00
As above except. #C-434-GR, Gov't Recon. \$49.95

C-435 Control box, Used to duplex two GRC-3-8 LOCAL CONTROL p/o GRA-6, #C-435, Used, \$22.00

BC-616/ARC-5 Relay Junction Box for ARC-5 Radio System. #BC-616, Unused, \$20.00



C-87/ART-13 Control Box for ART-13 transmitter. Has 11-position CHANNEL selector, OFF-VOICE-CW-MCW select, PTT button and IC jack. 3.5x6.3 x3.3, 3 lbs. #C-87, UNUSED, \$35.00

SB-327/ARC CHANNEL SELECTOR 24-51.9 MHz FM in 100 KHz steps on 3-digit counter; used with RT-294/ARC-44 Tx-Rx. 3x5.8 x4.5, 3 lbs sh. #SB-327, used, \$35.00



SWITCH BOX, #SA-474, \$12.00



BC-631 Remote Control Box for the SCR-522 radio set. #BC-631, Unused, \$12.00

BC-1366 JACK BOX, switch "Comp-Laison-Command-Inter-Call", Increase Output pot, 2 phone jacks. 3.3x4.8x3, 2 lb, #BC-1366, Used, \$12.00



RM-52 REMOTE CONTROL for radio and intercom set. Has transformer, mic & phone jacks. Source for "Macy's Phone Patch" project. Less terminals. 7.3x3.5x5, 5 lbs. #RM-52, Used, \$5.00

C-11291 Control for Sincgars Radio PRC-119. 4.6x5.9x4, 5 lbs sh. #C-11291, Used, \$58.00



GRA-39 Control

C-2329 Local Control from the GRA-39 control group. Has a mic amplifier gain of 55 db and a microphone pre-amplifier output of 5 mw. 8.8x8.9x4, 12 lbs sh. #C-2329, Used, \$69.50



C-2328/GRA-39 Control Front Panel with electronic components only. #FP-C-2328, Unused, \$99.00

#H-250-U Handset Used with broken clip, \$39.50

GRA-39 Manual Repr, #MM-GRA-39, \$18.00

CHECK OUT OUR LATEST FEATURE ITEMS AT FAIRRADIO.COM

Military Speakers / Amps



LS-166/U Permanent Magnet Speaker, used with the older style military radio sets. 3 Watts in to 8 Ohms, and coupled through a sealed, 8 Ohms to 600 Ohms impedance transformer. Frequency response

300Hz to 7Khz. Field or vehicular use modes switch. Cord terminated with a U-77 connector. 7 lbs sh. #LS-166, Government Reconditioned. \$60.

LS-3 Permanent Magnet Loudspeaker. Made by Best.

Used with BC-189, BC-312, BC-314, BC-342, BC-652. It can also be used with the BC-224 and BC-348. Mounted on the speaker is an 8000 ohm to voice coil matching transformer. Has a JK-33 input jack which mates with PL-68 plug. 6" diameter speaker mounted in a 8" x 8" x 4.8" housing. Most have 1952 contract date. May have very slight rust. NOS, Smooth satin black finish. 14 lbs., #LS3-SMOOTH. \$49.50

LS-3 Best Mfg, WW2 194X contract date, as above with black crinkle finish. May have very slight rust, NOS. 14 lbs sh., #LS3-CRINKLE. \$59.50

4" Speaker, ruggedized 8 ohm 2w perm. magnet type; 300-7khz resp. p/o of LS-166; 3 lbs. #LS-445, Used \$10.00



AM-6747/V Amplified Speaker for monitoring audio of R-442, RT-246/524 radios from remote location. Connection for H-189 or H-250 handset to allow remote keying of transmitter. Requires 28 VDC; can be modified for 12 VDC. Similar to

AM4979; 5.6x5x3 + 2" top bolt; 6 lbs. #AM-6747, Unused, \$52.00

AM-4979/GRC, similar to AM-6747 but has 6 ft cord with U-229 plug. #AM-4979, Used need work, \$18.00

Various Books

The Boys Book of Engine Building, How to make steam, hot air, and gas engines and how they work, told in simple language and by clear pictures. Easy to read text that will show you the fundamentals. Chapters include: the first engines, two simple steam turbine engines, a simple piston steam engine, a 1/24 hp horizontal steam engine, making small boilers, fittings for model engines, a model Atlantic type locomotive, steam - the giant power, a hot air or calorific engine, a 1/8 hp gas engine, and more. You're told how to make the patterns for the castings. 1918 book. 261 pages. #23489, \$12.95



Windmills & Windmotors, different types of turn-of-the-century windmills. Build a model tower windmill like those in Holland, a power-producing windmill with 3' diameter sails, a 6' diameter windmill capable of driving a 30 watt dynamo, a 10' diameter windmotor. Drawings show how the all-wood machine is built, and how metal gearing brings the power down to ground level. 88 pages. #4279, \$6.95

Various Books



The Boy Electrician, 1940 edition. Covers: magnets; static electricity and machines; voltaic cells and batteries; electromagnetism and magnetic inductions; electrical measuring instruments; bells, burglar alarms; telegraphy; microphones and telephones; inductions coils; transform-

ers; radio receiving sets; an experimental "wireless" telephone; electric motors; dynamos and more. Practical how-to plans and advice to build and have fun with all kinds of electrical equipment. Many illustrations. 403 pages, #21648, \$19.95

Dynamos & Electric Motors, How to Make Them and Run Them.

Chapters include: the Siemens dynamo, the Gramme dynamo, the Manchester dynamo, the Simplex dynamo, calculating the size and amount of wire for small dynamos, ailments of small dynamo-electric machines, small electric motors without castings, how to determine the direction of rotation of a motor, how to make a shuttle-armature motor, fifty-watt undertype dynamo, and a four-hundred-and-forty-watt Manchester type dynamo. Some of the motors and dynamos are small table-top machines which would make great experimental projects. Lots of illustrations. 160 pages. #22539, \$9.95



Dangerous Electricity! Collection of articles on high voltage and high power machines from Mechanics & Electricity Magazine and Modern Electrics Magazine before 1914. A Tesla coil you could build 18" high and 5" in diameter. Construction of a Tesla

coil with a secondary wound on a glass jar. How to build a high-frequency resonator, an X-ray set. Insulating wire, building a spark gap, a motor-driven mercury interrupter. Articles on high frequency electricity, a carbon-arc furnace, a coil winding jig for secondaries, and a water rheostat. 64 pages. #23411, \$6.95

Aviation 1910, "The Practice and Theory of Aviation" by Grover Loening. "Recent Progress in Aviation" by Octave Chanute. Two articles about early plane engines. Technical details of airplanes of 1910; simple scale drawings of the Farman, Doy, Wright; info on control surfaces, landing gear, engine horsepower, controls, the frame. See the Wright brothers, Santos-Dumont, DeLagrange and others in flight. Listing of significant flights made by all pilots from the Wright brothers in 1903 to Hubert Latham's flight at Mourmelon, France in 1910. Details on 2 new Wolseley engines built for airplanes and an engine competition held in October 1909 and how unreliable the entrants were, you'll know the early fliers risked their lives every time up. 64 pages. #23470, \$8.95



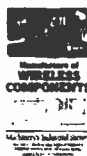
Electrical Things Boys Like to Make. Fifty years ago boys made these projects: from a door-bell and night light to a corn popper, crystal set, and toy motors. Get thirty three projects illustrated with detailed drawings and photographs.

Basic construction techniques such as coil winding, soldering, building a punch jig and the use of hand tools, more. Build a crystal set or motors, help a child to build an interesting project and stimulate their interest in technology. 205 pages. #23241, \$9.95



THORDARSON TRANSFORMER MANUAL, Great for transformer reference, tube amp schematics and tube radio repair secrets. Full of info on schematics, parts lists, performance specs, etc on big push-pull audio amplifiers, modulators, microphone preamps, power supplies and almost any type of electronic gear that used transformers and chokes. 144 pp; #BK-THOR, \$11.95

Secrets of Building Lightning Bolt Generators - Walt Noon will explain the experiments he has run, the problems, the solutions, how to build low cost generators from parts on hand. In addition, build simple static machines, van de Graff generator, dirod generator, Pogeendorff corona motor and much more. 91 pp #BK-SCRT, \$8.95



MANUFACTURES OF WIRELESS COMPONENTS, Contains a series of articles showing how wireless components were fabricated with simple machine tools just after WWI. There are articles on making radio parts, jigs and fixtures, fabrication of honeycomb coils, manufacturing of moulded electrical and wireless parts, and more. 64 pp, #BK-MFG, \$6.95

A THOUSAND AND ONE FORMULAS. Back in 1920 people were hot to set up their own laboratories and invent something and become rich. Experimenter Publishing Company published books and magazines to wet their appetite. They reprinted the best information from the magazines in this book. Get formulas on cements and glues, metal-craft, photography, chemical lab hints, mechanical lab hints, electrical lab hints, and many more. Fun and interesting read. 160 pp. #BK-1001, \$9.95



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TELEPHONES & MICROPHONES. You get details on building simple telephones. And that in itself is an interesting little experiment in electricity, metal working, and woodworking. Also, get the details of building carbon mics, and magnetic earphones. You get details on wiring them up into working telephone system with batteries, bells, ringing key, induction coil and more. If you're looking for a science project or want to build your own radio equipment, or even build a replica of an early telephone. 80 pages. #BK-TELE, \$7.95

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Old Radio Books



CRYSTAL RECEIVING SETS, How-to guide on building crystal sets and their components. Chapters include a simple and efficient receiving set, a single slider set, set with semicircular

tuner, crystal set with tapped single coil, a loose-coupled set, set with plug-in basket coils, combined crystal and valve (vacuum tube) receiver, some miniature receiving sets, crystal circuits, how crystals work, making a buzzer, receiving CW signals on a crystal set, making a wavemeter from a crystal set, converting low-resistance phones, and the morse code. 125 pp #BK-CRY, \$10.95

IMPOVERISHED RADIO EXPERIMENTER VOLUME 1

1, Contains tricks, tips, and secrets to help the builder of simple radios and electrical gear achieve high performance at minimal cost. Also: vacuum tube substitutions; inexpensive tube power supplies; grid leak detectors; regenerative receivers and more. 48 pp; #BK-IMP-1, \$5.95

IMPOVERISHED RADIO EXPERIMENTER VOLUME 2. Contains information on building a grid dip oscillator, a shortwave converter, a slow motion dial drive, space-wound coils and more. 48 pp #BK-IMP-2, \$5.95

IMPOVERISHED RADIO EXPERIMENTER VOLUME 3. Contains information on building an impedance bridge, a one-tube SW receiver, a headphone amplifier, old-time radio cases and more. 48 pp #BK-IMP-3, \$6.95

IMPOVERISHED RADIO EXPERIMENTER VOLUME 4. Contains info on building a TRF regenerative receiver, a one-tube crystal converter, a versatile power supply, a slide rule dial and more. 48 pp #BK-IMP-4, \$6.95

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The Impoverished Radio Experimenter Volume 6, Build a loose coupler. An early form of a doubly-tuned RF transformer. Learn how to use a commonly available transformer to get high voltage for tube plates. Simple, low-cost regulator that will turn any power supply into a rock-solid performer. Build several loop antennas. Take a loop antenna and turn a basic Franklin oscillator circuit into a regenerative receiver for AM bands and lower. Take an oscillator circuit and turn it into a receiver by attaching filters for the various signals. Get notes on amateur band code transmitters from past QST articles. Schematics & basic info on single tube AM band transmitters. 48 pages. #BK-IMP-6, \$6.95



OFFICIAL 1934 SHORT WAVE RADIO MANUAL, Build simple, high performance old time short-wave radios! All of the secrets are here: the circuit diagrams, parts layout, coil specifications, construction details,

operation hints, and much more. This is a compilation of construction articles from "Short Wave Craft" magazine. 260 pp, #BK-1934, \$15.95

1935 Official Short Wave Radio Manual. The most important developments in short-wave transmitter and receivers are covered in this new edition of the manual. Contains wiring diagrams and the values of the various condensers, resistors, etc., of all the principal short-wave receivers. Plenty of articles on small receivers and transmitters which can be built at a small cost. 240 pp, #BK-1935, \$18.95



AMATEUR RADIO BEGINNERS GUIDE, Learn how to build a regenerative receiver and a crystal controlled breadboard cw transmitter that will allow you to talk to people all over the world.

Chapters include: introduction to amateur radio, learning the code, receiver theory and construction, crystal oscillator transmitter, two-stage transmitter, three-stage transmitter, construction of modulator for three-stage transmitter, and reference. 155 pp #BK-AMA, \$9.95

Radio Pioneers, Published in 1945 by the Institute of Radio Engineers (IRE) as a keepsake for their Radio Pioneers Dinner in Nov. 1945. You get a history of the IRE from it's beginning in 1908 with photos of John Stone Stone, Robert Marriott, Pickard, Kennelly, Pupin, Pierce, Langmuir and others. Pictures of early tubes, Poulsen in his lab, Marconi parabolic reflectors, a Fessenden alternator. The history is brief, fast reading, but informative. You'll meet the personalities and discover what they did. Then you can go digging for more information about those topics that sound most interesting. 64 pages. #23462, \$8.95

U.S. Armor and Communications, Reprint of info on various radio equipment and accessories used by the U.S. military during the 1970's. Used at Army Armor school Ft. Knox. 200+ pages. Tape bound. #BK-ARM, \$17.50

BUILD A UNIVERSAL COIL WINDING MACHINE. Shows how to build a coil winder like those available in electronics catalogs years ago from common, easily-obtained materials. This amazing machine will professionally wind universal and honeycomb coils, single layer and multilayer solenoids, close-wound and space wound coils, and even pi-spaced coils such as used for RF chokes and transformers. Loaded with illustrations, dimensions, and step-by-step text. 24 pp #BK-WIND, \$8.95



Experimental Crystal Set Receivers Book, Issues of Modern Electrics from 1911 and 1912 provided

the Experimental Department where letters from experimenters were reprinted. Here you get the best of those letters. Illustrations of a wide variety of make-shift equipment that was being fabricated by impoverished experimenters. This isn't so much about crystal set circuits as it is about building the components needed. You get ideas on building coherers, variable and adjustable condensers, sliders for tuning coils, making a universal detector, galena detectors, and much more. 48 pages, #23276, New, \$6.95

How to Build the Twinplex Regenerative Receiver, Shows 3 different receiver projects. Build your own regenerative receiver using twin triodes or even a 3 transistor circuit. Sensitive and stable. Use old tube bases for coil forms. Build as a old time replica or with fet's and transistors. Schematics and chassis instructions. 63 pgs, #BK-TWIN,\$7.95



VACUUM TUBE REGENERATIVE RECEIVER. Build your first regenerative receiver. You'll see where the parts come from, how they're chosen, and how they're made to work together. This will be a real working receiver that was built from salvaged material on hand. Tube regen receiver are easy-to-build and very low-cost. 128 pp. Includes directions & schematics. #BK-REGEN, \$9.95

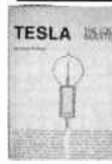
Mag Amp Books

"Magnetic Amplifiers", Magnetic Amplifiers Another Lost Technology by the U.S. Navy (1951), edited by Trinkaus. First came the vacuum tube, then the transistor, right?. Not really. In between there is another lost entity. Electronics engineers of the 1950's believed the rugged little magnetic amplifier was going to replace the fragile vacuum tube in all its functions under a megacycle. The mag amp not only can regulate but can magnify, modulate, switch, pulse-generate, invert, convert, multivibrate, phase shift, and multiply. Modulate your Tesla coil with a mag amp. 43 illustrations.



"Magnetic Amplifiers Bibliography", A supplement to Magnetic Amplifiers. Most of the citations are of patents you can still easily access. There are also citations of scientific and engineering journal articles, of military documents, and of proceedings of the Institutes of Electrical, Electronics and Radio Engineers. Entries range all the way from the year 624 BC to 1951. A must for further research into the lost technology of the magnetic amplifier. #BK-MAGNETIC, Get BOTH books! List Price, \$20.50; Our price, \$17.25

Tesla Books



"Tesla: The Lost Inventions", Here are the suppressed inventions of Nikola Tesla. His later inventions, have never been utilized as Tesla intended despite their potential

for advancing technology of modern civilization. Among these inventions: high-frequency lighting, the magnifying transmitter, a radical high-power radio, and many more. 42 illustrations. #BK-TLOST, List price, \$7.75; Our price, \$6.95

"Tesla Coil", You'll find a wealth of information on one of the best-kept secrets of electric technology, plus all the facts you need to build a Tesla coil on any scale. A well-tuned coil's output is harmless but can perform amazing tasks. Light your home, farm, or ranch at a fraction of the usual cost. Build a powerful radio transmitter. 26 illustrations. #BK-TCOIL, List price, \$7.75; Our price, \$6.95



"Son of Tesla Coil", Can Tesla coils do real work? Can they power an alternative fluorescent lighting? Build a "third generation" Tesla coil.

Discover the magic of oil immersion, of close coupling, and of precise pulsing. Learn how to drive a Tesla coil from low-voltage battery power. Build a solid-state pulse generator and a Tesla lighting plant. Can battery-powered Tesla technology aid us in the next big blackout? Will Tesla be the next big step forward in home power? 40 illustrations. #BK-TSON, List price, \$7.75; Our price, \$6.95

"Radio Tesla", The Secret of Tesla's Radio and Wireless Power.

This booklet details the radical radio technology of Nikola Tesla. Early elemental wireless devices like Tesla's and many others shown in this booklet are worthy of study because they remind us that powerful radio technologies can be so simple and accessible. Modern radio took a lot from Tesla, but what did it ignore? Also in these pages: grounding rediscovered, the suppression of amateur radio, radio-free energy and much more. 66 illustrations. #BK-TRADIO, List price, \$12.75; Our price, \$11.50



"Tesla: The True Wireless", In Nikola Tesla's own words, this is the inventor's final published statement on how radio, at the radical, really works. He insists

that the amount of energy that can be transmitted is "billions of times greater" than conventional radio would allow. Can we transmit electric power to our homes and workplaces without wires? Can the unsightly and fragile grid come down? Tesla says Yes. 21 illustrations. #BK-TTRUE, List price, \$9.75; Our price, \$8.95

Military Lists

Copies of mil-references

Vintage Radio Lists

#TM11-487A Directory of Old Signal Corps...Radio Equipment, 8/ 1950. 4 pgs missing, 246 pp; \$25.95

#TM11-310 Schematic Diagrams of Signal Corp Ground Radio Equipment 1943-47; 32 selected vehicle & field radios; 228 pp. \$27.95

Vacuum Tube Lists

Vacuum Tube compliments of Signal 10/44; tube line-ups of many vintage military & commercial radios. Also lists by tube # the radios in which tube is used. 192 pages, 3 lbs. #TO-08-1-25, \$22.95

Electron Tubes, Cross Index and Type Identification, Nov '63; comprehensive list of tubes used by the US military; 303 pages, #MIL-HDBK-213A, \$30.00

German Electronic Lists

DIRECTORY OF GERMAN RADAR EQUIPMENT (US WAR DEPARTMENT MANUAL, TME 11-219, APRIL 1945) Pictures and drawings of German Radar Equipment to aid the recognition of equipment and components. I suppose this was part of the clean up of war material after the war. Reproduction 68 pages. #TME11-219, \$23.00.

German Explosive Ordnance (Projectiles and Pojectile fuses) 1953. Each lists the German Nomenclature, Weapons, Projectile, Type, Charge. Cutaway views of projectile. Reproduction. #TM9-1985-3, \$36.95

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Knobs



ARMY SPIN KNOB, retractable crank w/ beveled top-screw shaft. 1.5" dia; for RT-70 or GRC-106. #2313, \$6.00

Spin Tuning Knob for spline as used on ARN-6 and BC-229 and other sets that used MC-124 connections. #MC-127, \$9.50



DUAL CONTROL KNOB as used on H-P & TEK scopes; 1-3/8" dia skirted black base for 1/4" dia shaft with 3/4" dia red top knob for 1/8" dia shaft. #KN-DC-HP, used, \$1.50

Volume control round knob for BC-348. o/a 1 1/4" diameter. #KN348-1, Unused, \$6



Antenna alignment round knob for BC-312/342. Fits 1/4" diameter shaft. o/a 1" diameter. #KN312-2, Unused, \$6.00

Control round knob for BC-312/342. Fits 1/4" diameter shaft. o/a 7/8" diameter. #KN312-4, Unused, \$6.00



Medium bar knob for various GRC radios. Top screw mount. o/a 1 3/8"L x 7/8"W x 3/8"H. #KNGRC-1, Used, \$3.50

Volume control round knob for various Hallicrafters radios. Fits 1/4" diameter shaft. o/a 1 1/8" diameter. #KNHAL-1, Used, \$3.50



Fluted Knob with pointer. Fits 3/8" dia. shaft. o/a 2 3/8" Diameter. #KNF-4, Unused, \$5.00

Lever knob. Fits 1/4" dia. shaft. Ideal for use w/ model train transformer. o/a 2 1/2" L x 11/16"W x 1/2"H. #KNL-4, Unused, \$3.00



DARK BROWN fluted plastic 1" dia X 0.5"H 1/ 1930's & 40's radios. #KN-DB1, 4/\$2.00

Dark Brown Fluted Knob for press fit shaft. o/a 0.9" dia #KNDBF-5, 5/\$2.00



Rounded BAR KNOB, 1-1/8"L x 3/4"W x 3/4"H. Brass insert 1/ 1/4" dia shaft. #KNART13, 3/\$2.00

Bar Knob with pointer, 1.8" long. Fits 1/4" flatted shaft that is center drilled for hold down screw. #KNB-1, 4/\$2.00



Round knob with spin crank. Does not accept shaft. Mount to top of another knob. 3 mounting holes on top. o/a 1 3/4" diameter. #KNSP-1, Unused, \$2.50

7/16" dia Round Knob with brushed aluminum face. Push-on type fits 3/16" half round shaft. #KNRA-2, 5/\$2.00



Round Knob. o/a 1.4" diameter. Fits 1/4" diameter shaft. #KNR-5, 4/\$2.00

Rounded Top Knob with decorative ridges. o/a 5/8" dia. Fits 1/4" half round shaft. #KNR-6, 5/\$2.00



Round Knob. Fits 1/4" diameter shaft. o/a 1 3/4" diameter. #KNR-10, Unused, \$1.75

Dark Brown Round Knob. Fits 1/4" dia shaft. o/a 1 5/8" diameter. #KNR-13, Unused, \$3.50



High Quality Large Knurled Knob with brush aluminum face. Overall 1 3/4" diameter. Accepts 1/4" diameter shaft. #KN-99A, \$1.99 each; 2 for \$3.29

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As above except overall 3/4" diameter. #KN-99F, \$1.39 each; 2 for \$2.49

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Bar Style Knob. Fits 1/4" diameter shaft. 2 3/8"L x 1 1/2"W x 1 5/8"H. #KNB-3, \$1.25

Chicken Head Pointed Knob w/ 1/4" dia shaft; 1.2" L x 0.6"H x 0.7"W. #KN-CHK, \$2.50



Similar to above except 1.5"L x 0.9"H x 0.8"W. #KNP-1, 3/\$2

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Each of the vibrators listed below are \$6.50 each.

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V6702	7	2	V6778	7	24
JV0022	7	24	V6675	7	?
			VB-13-A	9	12

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6ES	\$1.75	\$2.85	502	\$1.75	\$2.95
10S6/13 230v	\$2.35	\$3.50	511	\$1.75	\$2.95
10S6/13 250v	\$2.35	\$3.50	757	\$1.75	\$2.95
12	\$5.00	\$8.00	1156	\$1.75	\$2.95
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14	\$1.75	\$2.95	1252	\$2.35	\$4.00
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24X	\$3.75	\$6.00	1822	\$2.00	\$3.50
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45	\$1.75	\$2.95	1886	\$1.75	\$2.95
46	\$1.75	\$2.95	1895	\$1.75	\$2.95
47	\$2.95	\$4.50	2187	\$1.75	\$2.95
48ESB	\$3.50	\$5.50	7341	\$3.25	\$5.00
48H	\$1.75	\$2.95	7349	\$2.35	\$4.00
81 \$3.95ea	\$17	\$25.00	7376	\$1.75	\$2.95
130	\$2.00	\$3.50	8462	\$1.75	\$2.95
161	\$1.75	\$2.95	8602	\$1.75	\$2.95
219	\$2.95	\$4.50	32173-0	\$1.75	\$2.95
233	\$2.95	\$5.00	NE16	\$3.50ea	\$16 \$28
239	\$1.75	\$2.95	NE45	\$3.50ea	\$16 \$28
245	\$2.35	\$4.00	NE48	\$5.50ea	\$26 \$46
267	\$1.75	\$2.95	PR5	\$1.75	\$2.95
306	\$2.35	\$4.00	PR7	\$1.75	\$2.95
313	\$1.75	\$2.95	PR8	\$1.75	\$2.95
327	\$1.75	\$2.95	PR10	\$1.75	\$2.95
331	\$6.50	\$11.00	PR12	\$1.75	\$2.95
372	\$1.75	\$2.95	PR13	\$1.75	\$2.95
387	\$1.75	\$2.95			
388	\$1.75	\$2.95			

Strobe Lights



ELECTRONIC FLASHING LIGHT for alarm systems, discos, personal use, warning in case of danger, etc... Long-life xenon tube. Fully sealed and waterproof. Power output: 1W. Power supply: 12VDC. Current: 150mA. Flash rate : 120/min. Black

ABS / acrylic cover, Dimensions : 2.8"(y) x 2.5".

New, \$9.99 ea. Available in the following colors:

Amber #HAA40A; Blue #HAA40B; Green #HAA40G; Red #HAA40R; Clear #HAA40W

ELECTRONIC FLASHING LIGHT. Flat lens. Requires 12VDC. Input current 85mA/1W. Flash rate 1.5Hz. Screw mounting. Suitable for indoors and outdoors. 3.9" x 3.1". New, \$21.80 ea. Amber, #HAA100A; Blue, #HAA100B; Red, #HAA100R; Clear, #HAA100W;



Rotating Beacon Flashing Light. Works on 12-14Vdc via cigarette lighter plug. Comes with suction cups. 90 revolutions per minute. 4 23/32" x 2 9/16" x 2 3/4". 2 lbs sh. 9 1/2 ft. cable length. New, \$19.95

#HAA65A, Amber; #HAA65B, Blue

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CRTs are used no burns unless noted "-UN" = Unused

3ACP1	18.00	4MP1	23.00	5BHP2	23.00
3BP1A-U	18	4QP31	40.00	5CP1-UN	12.00
3BP1A-UN	35	5ABP1	23.00	5FP7	23.00
3DP1	7.00	5ADP7	35.00	7BP7	11.00
3DP1S-2	23.	5AMP2	29.00	902 nos	29.00
3HP7-UN	10	5AQP1	29.00	SMD460260-UN	12
3UP1	23.00	5BDP7 nos	18.	Z4516P11-UN	12

Tektronix CRT'S used no burns. \$57.00 each
Others available - tell us your needs.

#154-0672-05 #T5810-31 (154-0354-00)
#T0540-2 (154-0098-00) #T5471-31-2 (154-0568-00)

3" CRT Shield for 3RP1 etc. #SH-CRT-3, \$18.00
5" CRT Shield for 5ADB7 etc. #SH-CRT-5, \$21.00

Pilot Lights & Indicators

SUB-MINIATURE NEON PILOT LIGHT with 5/16" dia clear jewel. Base is receptacle for three 1/16" pins in triangle pattern. Mounts in 3/8" dia hole. O/a 1.4" L; includes neon bulb. #PIL007, 3 for \$1.00

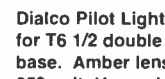
Dimmer Light holds NE-51 bulb (not included); 1/2" dia clear jewel. Fits 5/8" dia hole; o/a 3" L. #PIL-C433, \$1

LAMP HOLDERS for 327 lps; fit 1/2" hole. Flat WHITE numbered lenses; specify: "4", "5", "6", or "9". #0934, 3 / \$2.00

Pilot light w/ 327 lamp; white lens. Used #FLW-327, \$1.55



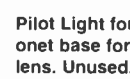
Dialco Pilot Light for S6 screw base. Red lens. Marked 75 watt, 125 volt. Unused, #PL-S6-S, \$3.50



Dialco Pilot Light with faceted lens for T6 1/2 double contact bayonet base. Amber lens. Marked 75 watt, 250 volt. Unused, #PL-T6.5-DC, \$3.00



Pilot Light for T1 3/4 midget flange base 327 bulbs etc. Red lens. Unused, #PL-T1.8, \$3.50 each; 10/\$30



Pilot Light for T3 1/4 miniature bayonet base for 313 bulbs etc.. Amber lens. Unused, PL-T3.3-A, \$3.50



Pilot Light for T3 1/4 miniature bayonet base for 313 bulbs etc... Green lens. Unused, PL-T3.3-G, \$3.50

Tube Boxes

Quality plain white boxes ideal for storing tubes or other components. Compare our price to the competition and save! No divider insert.

P/N	Dimensions	per 10	per 25	per 100	per 1000
CB6W	1.5x1x3	\$1.75	\$3.55	\$12.00	\$95.95
CB3W	1.5x1.5x4	\$2.00	\$4.20	\$14.25	\$109.95
SB16W	1.75x1.75x6	\$2.30	\$5.10	\$16.55	\$138.00
SB17W	2.5x2.5x6	\$3.00	\$6.55	\$20.95	\$169.50

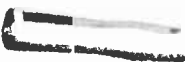
Tube Shields & Etc...

For most 7-/9- pin mini tubes
#TSH-(specify tube #) used, 2/\$1.00
#TS103U02 SHIELD 12AX7-size, 2/\$1.50

BLACK IERC-Type SHIELDS, used:
#TR5015 (6AK5), \$1.00; #TR6015 (5842) \$1.10

TUBE TEST ADAPTERS for TV-7, used:

#E104 for sub-mini tubes, \$5.75
#E105 for septar 829/832, \$8.00
#E107 for 2C39, \$8.00



OCTAL TUBE PULLER

Pull out octal tubes in those hard to reach areas. Stands around 6 3/4" tall. 1 lbs sh. #TP-7, \$7.00

TUBE PIN STRAIGHTENER

for Mini 9 pin tubes. Stainless steel straightening area for years of use. 2 mounting holes 1 5/8" center to center. Unused, #STR-9, \$6.95



--- OCTAL TUBE SAVER ---

Save those expensive octal tubes that have broken guide pins. Replace the broken guide pin by slipping this plastic piece over the proper pins. High strength/temperature plastic. Reuseable. #KY-1, New \$1.75; 10/\$13.50

Tube Sockets



4 pin Ceramic for 300B/2A3/811, 2 hole mount. #GZC4-1, Unused, \$2.95

4 pin Ceramic for 805/845/211, 2 hole mount. #GZC4-3B, Unused, \$9.60

4 pin Ceramic for 300B/811, with twist lock collar. #GZC4-1B, Unused, \$6.95



5 pin Ceramic Socket that fits a 4-125, 4-250, & 4-400 tubes, etc... #GZC5-A, \$7.95

5 pin Ceramic for 807, 2 hole mount. #GZC5-1, Unused, \$1.70

6 pin Ceramic 2 hole mount. #GZC6-1, Unused, \$1.90

7 pin Ceramic that fits 1625 tube, etc. #GZC7-13, \$2.25

7 pin ceramic for 813 tube 4 hole mt, #GZC7-A, \$5.25

7 pin Septar Ceramic square, #GZC7-C, \$3.95

7 pin Septar Ceramic Square, #SK-SEPT, Used, \$8.00

7- pin mini, Fiber Wafer, #SK-7MF, new, 2/\$1

7-pin mini, bakelite, #SK-7M, unused, 2/\$1

7-pin mini, ceramic, #SK-7CER, unused, 2/\$1.50

7-pin mini, moulded push-in w/ ridge, #SK-7MP-R, unused, 3/\$1.20

7-pin mini, moulded push-in no ridge, #SK-7MP-NR, unused, 3/\$1.00

7-pin mini with collar for shield, #SK-7C, new, \$7.5

7-pin mini ceramic w/ collar f/shield, #SK-7MC, \$1

Octal Ceramic 2 hole mt. #GZC8-1, Unused, \$1.20

Octal Ceramic PC mount. #GZC8-Y, Unused, \$1.20

Octal bakelite, ring, #SK-OCT-R, used, 2/\$1.00

9 pin mini Ceramic 2 hole mt. #GZC9-F, Unused, \$1.10

9 pin mini Ceramic 2 hole mount w/ collar for shield. #GZC9-F-B, Unused, \$1.20

9 pin mini Bakelite 2 hole mount w/ collar for shield. #PCP9-1, Unused, \$1.05

9-pin mini ceramic w/ collar f/shield, #SK-9M, used, \$4.50

9-pin mini PC mount black, unused, #SK-9PC-BL, \$1.50

9-pin mini PC mount brown, unused, #SK-9PC-BR, \$1.55



12 pin Compactron Ceramic Socket that fits a 6KD6 tube, etc... #GZC12-F-1, \$3.25

SUB-MINI, round, long-lead, #SK-MIN, unused, \$1.00

Acorn Flat Ceramic Socket #SK-ACORN, Used, \$6.00

4X150 Dual Socket Assembly from the T-195, two sockets on 4.3" x 2.9" chassis with 1.1" H bakelite chimneys; #4X150/T195, used: \$23; 2 for \$37.00



Two Johnson #244 Ceramic Sockets mounted on an aluminum plate 3" deep x 7.5"

wide. Each of the sockets has a 1 7/8" diameter removable mounting clamp. Works with C6M, 576 tubes etc. 3 lbs sh. #DUAL-244, Used, \$14.00

Plate Caps

Ceramic Plate Cap for 1/4" diameter, #MCV, Unused, \$1.19 each; 5 for \$5.00

Ceramic Plate Cap for 5/16" diameter, #MCX, Unused, \$1.39 each; 5 for \$5.75

Ceramic Plate Cap for 3/8" diameter, #MCZ, Unused, \$1.59 each; 5 for \$6.50

Ceramic Plate Cap for 1/2" diameter, #MCD, Unused, \$1.99 each; 5 for \$7.50

MANY ITEMS NOT LISTED - TELL US YOUR NEEDS

\$4.50 Unused / \$2.50 Used - Vacuum Tubes

- MANY other tubes available. Visit our website for a much more complete listing or tell us your needs.
- If you specify unused and unused is sold-out, we will ship used checked, unless you specify "unused only".
- Many tube types available in glass and metal. Please specify if you have a preference.

The tubes listed below are \$4.50 unused and \$2.50 used.

0A3 0C3 0D3 OZ4 1A5 1B3 1B4 1C5 1E7 1J3
1L4 1N6 1P5 1R4 1R5 1S2 1S4 1S5
1T5 1X2 1V2 1LA4 1LC5 1LD5 1LE3 1LN5

3B4 3D6 3Q4 3Q5 3S4

5A6 5AN8 5J6 5T8 5U8 5V6 5W4

6A6 6B8 6C4 6F8 6G6 6H6 6J4 6J5 6J6 6K4
6L7 6N7 6R7 6S8 6T4 6T8 6U6 6U8
6V3 6V7 6W4 6X8 6Z4

6AB4 6AB7 6AC7 6AF3 6AF4 6AF9 6AF11
6AG5 6AG7 6AH6 6AK5 6AL5 6AN5
6AN8 6AQ5 6AQ7 6AS5 6AS6 6AU4 6AU5
6AU6 6AU7 6AV5 6AV6 6AX4 6AY3 6BA11
6BC5 6BC8 6BD5 6BD11 6BE6 6BH6 6BJ3
6BK5 6BK7 6BN4 6BN6 6BQ6 6BQ7 6BU8
6BX6 6BZ7 6CB5 6CB6 6CD6 6CF6
6CM7 6CS6 6CS7 6CU5 6CU8 6CY5 6CY7
6DA4 6DE6 6DG6 6EA5 6EB8 6EH4 6ES5
6GJ7 6HB7 6HS8 6JT8 6JZ8 6LE8 6LU8
6MN8 6SD7 6SF7 6SH7 6SK7 6SQ7 6SR7

7A4 7A5 7A6 7A7 7A8 7B4 7B8 7C4 7C7 7E6
7E7 7J7 7K7 7L7 7Q7 7R7 7S7 7T7 7V7 7W7
7X6 7X7 7Y4 7Z4 7AD7 7AG7 7AH7 7AK7 7AU7

12A6 12A8 12C8 12D4 12H6 12J5 12J7 12K7 12K8
12L6 12W6 12X4 12Z3 12AC6 12AH7 12AX4
12AZ7 12BA7 12BF6 12CA5 12SF5 12SH7 12SJ7
12SK7 12SL7 12SR7 12SW7 12SY7

14A5 14B8 14C5 14C7 14E6 14N7 14R7 14W7

17D4 17AX4 17BF11 17GW6 19T8 19AU4 19X8
21GY5 21JV6 25L6 25W4 25Z5GT 25Z6 25BQ6
25DN6 32L7 35A5 35B5 35C5 35L6 35Z3
35Z4 45Z5 50Y6 70L7 117Z4 117Z3 117Z6

34 35/51 36 38 39/44 43 55 57 58 78 79 89
5651 5654 5670 5725 5726 5727 5750 5963 5965

6005 6136 6186 6888

7056 7167

9001 9003 9004 9006

Unused Tubes

UNUSED in original military or commercial boxes:

1B35	\$25.00	957,	958,	959,
1B36	\$39.00	acorn,		\$5.95
2C43	\$23.00	1619		\$7.00
2E26 RCA	\$6.00	5718		\$7.00
2K25 Raytheon,	\$36.	5719		\$10.00
3C23	\$32.00	5755	Raytheon,	
3D6,	\$7.50	\$2.95	10/\$25	100/\$195
5A6,	\$8.00	5763	various,	\$9.95
4D32 Raytheon,	\$17.50	5824,		\$13.50
10/\$165.	32/\$480.	5998A	Syl,	\$16.00
6AH4,	\$10.00	6080WC	GE,	\$8.00
6AJ5 Tungsol,	\$3.50	6088 / 522AX	Raytheon,	
6AZ8 ECG	\$6.95	sub mini	pentode,	\$6.00
6B4GA, Sylvania	\$33.00	6146W	GE,	\$22.00
6CG7	\$9.00	6159		\$17.00
6DC6 various,	\$6.50	6189W		\$7.75
6DK6 GE,	\$3.00	6336B	Cetron,	\$45.00
6F8,	\$7.50	6687		\$6.75
6SG7	\$3.00	6883B/8552	ECG,	\$15.00
6SH7	\$3.00	6888	Sylvania,	\$14.95
6SL7	\$9.00	6922	ECG,	\$6.95 10/\$59.50
6Z4/84,	\$6.50	7189A	Int. SvcMstr	\$19.50
12AT7	\$8.50	7193		\$6.25
12BE6 GE,	\$3.25	7308	Amperex,	\$14.00
12DQ6,	\$9.00	7360	ECG,	\$29.95
12SN7	\$5.50			
24A	\$9.50 each			
30,	\$16.50			
53	\$6.50			
84	\$6.50			
717A	\$15.00			
811A Cetron,	\$25.00			
884 or 885	\$7.50 each			
954-955	acorn, \$3.95			

Pull-out Sale

"pulled-out" of equipment-- NOT TESTED/ NOT GUARANTEED! (One tube type per quantity!):

10 for \$8.00; 100 for \$50.00
6AC7 6AG5 6AH6 6AK5 6AL5
6AS6 6CB6 6J4 6J6 6W4GT

OTHER "PULL-OUTS"
10 for \$10.00. 100 for \$75;
6AQ5 6AQ5/ 6005

Sovtek Tubes

Electro-Harmonix

A premium quality tube mfg by Sovtek. "EH" =

Type	Price	10-24	25+	Mtch Pr
6L6EH	14.25	13.25	12.25	32.55
6V6EH	9.95	9.50	8.95	20.00
EL34EH	12.25	11.70	10.70	28.45
12AX7EH	8.95	8.50	7.95	N/A
12AT7EH	9.95	9.50	8.95	N/A
12AU7EH	9.95	9.50	8.95	N/A
12AY7/6072EH	11.95	11.50	10.95	N/A

Other Sovtek tubes new:

Type	Price	10-24	25+
5AR4	11.95	10.95	9.50
5Y3GT	10.95	10.50	9.95
6BQ5/EL84	8.25	7.70	7.25
6L6GB	8.95	8.40	7.95
6SL7	9.25	8.80	8.25
6SN7	9.25	8.95	8.50
6550WE	23.95	22.95	21.95

KT66 \$22.95 each; 10 to 24 pieces at \$20.95 each;
25 and greater \$19.95 each

\$49.95 for matched pair; \$99.90 for matched quad

KT88, \$24.95 each; 10 to 24 pieces at \$22.95 each;
25 and greater \$20.95 each;

\$53.95 for matched pair; \$107.90 for matched quad

Used Tubes / Grab Boxes

USED-checked (US-mfg):

01A (ST), 17.95; 2E22, \$18.00; 3E29, \$9.00;
5U4GB, 5Z3, \$4.75; 6AS7G, \$6.00;
6JB6, 6LB6, \$12.50; 6SL7WGT, \$4.00;
6V6GT, \$7.00, 24A, or 27, \$6.00;
26, 42, 75, \$9.00; 45 ST, \$36.00; 71A, \$17.00;
80, 807, \$9.00; 6080W, \$4.25;

GRAB BOX TUBE SALE

3 lbs of varying types of unchecked used or unused tubes. Randomly picked from our inventory of tubes of low demand. #TB-GB-3, \$20.00

As above but 6 lbs. #TB-GB-6, \$30.00

Power Amp Tubes



4CX350F/J 26VDC Power Tube.
Has a maximum plate dissipation
of 350 watts.
Removed from equipment, \$65.00

4CX300A / 8167, JAN Eimac Unused, \$45.00
4X150D, 26 V filament, used STT, \$16.00
4X150G, coaxial type, used STT, \$19.00

8906 tube is also a ceramic metal planar tube.
Filament voltage 6V; Max plate watts = 10;
Max plate volts = 2500. Used checked, \$60.00

7815 similar to 8906 but max plate volts is 3500, \$55

7554 HIGH MU TRIODE. Heater-cathode, ceramic-metal, pencil type used as rf amplifier, oscillator, and multiplier in airborne equipment. Used STT, \$29.50

Unusual Tubes



No markings but looks like some kind
image or photomultiplier with 14-pin basing.
4.8"Hx 2.3 " dia glass + two 1/2"L contact
pins opposite each on tinted end of
cylinder; 1"L glass extension from side.
#XTUBE-98, \$20.00

702B mfg by Sylvania. This unusual
tube appears to be a special diode for
UHF applications. Clear glass with gold
plated rings. Great collectors piece! 1" dia x 2.3"ht.,
Unused, \$15.

JAN 705A RECTIFIER, 4-pin base; 5"Hx2.3"
dia. used \$4.00

GL-6044 oversize 6-pin w/ 4 tabs;
5.3"Hx2.3" dia. UNUSED, \$5.00

C6M THYRATRON, 8.5"Hx2"dia Used, \$4

Klystron / TWT

6116 REFLEX KLYSTRON METAL VACUUM TUBE, a
rugged version of the 2K45. Requires 6.3V at 762
milliamps. Reflector voltage: -95 to -145.

Frequency range: 8500-9660 MHz. Power output: 32
milliwatts. Output coupling: waveguide RG-52/U.
Unused, \$29.95

SRL-7H for 2160-2400 Mhz; 6.3 V filament, -1000
VDC beam V; reflector volts -1300 to -2000 V. Coarse
& Fine Tune slugs, N-conn & octal base. 6.5"x
5.2"x4.5", 4 lb unused w/info, \$49.50

VARIAN VA-98M/8901 KLYSTRON, 23.6 - 24.4 Ghz
100 mw CW; Eb=500 V @ 40 ma. 2.8"Lx 1"Hx1.3"D
w/ 6"L wire leads; 2 lbs sh. NEW, \$125.00
Filaments checked, but not guaranteed.

RCA 4012/A1157 TRAVELING WAVE TUBE, 2.0-4.0
GHz, 36 db min., 20 mw min. 15.5"LX3.5"Hx1.5"W. 4
lbs UNUSED, \$40.00

Geiger Mueller Tubes



Geiger Mueller 5980 (also known as BS-2) Tube
from the PDR-27 radiac set, Unused, \$35.00



Geiger Mueller 5979 (also known as BS-1) tube
for PDR-27 radiac sets, Used, \$39.50

Antique Globe Tubes

Tubes below are used-checked;

01A, \$19.75
224/324, 235/51, \$8.95;
227/327, 239/44, \$11.95;
226/326, \$13.00; 80/280, \$33.95; 245/345, \$69.00;

SEE A MORE COMPLETE TUBE LISTING AT fairradio.com/tubes.htm

Sonalert - LOUD !!

2 to 6VDC Sonalert mounted on a 2" x 2 3/16" aluminum panel with 4 mounting holes. This unit is very loud at 2VDC and almost intolerable at 6VDC. 2 lbs sh. #SONA-6, Used Excellent, \$4.75

Sounding Device

MINI PIEZO SIREN 6-15Vdc / 140mA 107dB LEAD TYPE. Made from high impact ABS plastic. Dimensions : 1.5" x 1.7" x 2.2". 1 lb sh. Mounting holes: 0.87". #SV/PS1, \$5.60



Faraday Horn

FARADAY 48 VDC 100 ma HORN, made for Bell Telephone; makes loud, penetrating sound w/ screwdriver volume adjust. Steel construction; recess mount. Front size 4x4x1.3 1.3" panel depth. 3 lbs #KS-12037L2, New, \$6.95

LOUD BUZZER HORN as used in smoke alarms; 2" dia x1.3". #41-81-110, 110VAC \$3.

Alarm Bell

ADAPTABEL INDUSTRIAL ALARM BELL, 5.8" dia bell operates from 6 VDC 250 MA for non-fire use. Heavy metal cast construction with mount hardware; 3 lbs. Edwards #435-6C1, new, \$12.00

Speakers

3 X 5 SPEAKER, 1 watt at 16 ohms with 1.8" dia magnet; 1 lb sh. NEW, #SPK-3-5, \$1.50 ea; 10/\$12; 100/\$95

4" Square Speaker. 8 ohms rated at around 1 watts. 1 1/2" depth. 2 lbs sh. Unused, #SPK-4-8, \$3.95

2 3/4" Round Speaker with no mounting holes. 45 ohms rated at around 1/2 a watt. 1.1" depth. 1 lb sh. #SPK-2.75, Unused, \$2.50

4 3/4" Square Speaker 8 ohms at 5W. #SPK-475, \$6.00

5.5" x 3.5" Speaker 8 ohms at 2W. #SPK-5.5, \$4.00

1 5/8" Square Speaker 8 ohms @ 0.1W. #SPK-158, \$1.50

1 7/16" Round Speaker 8 ohms @ 0.1W. #SPK-1716, \$1.49

7" Audio Tape

7" Professional Audio Tape by Ampex model 631. This is the 1.5 mil tape, 1200' of 1/4" tape. These reels of tape are excellent for DBX reels and others to decrease tape noise, consider by many as the standard for reel recording. These reels are truly the standard for audiophile recordings, and a must for the reel collector. 3 lbs shg on one. 10 lbs shg on twelve. #TAPE-631, Unused, \$3.75 each; 12 for \$39.95; 24 for \$65.95; 96 for \$150

50 Amp P.S. Chassis



PP-4763/GRC POWER SUPPLY, produces 28 VDC 50 amps from 115 VAC 22 amps 47-63 Hz 22/11 amp input; solid-state with +/- 0.5% regulation. Has meters 0-50 VDC and 0-80 amps DC; 13.5x 19.5x15, 145 lbs.

#PP-4763-LM, Used less control card, both mtrs, and circuit breaker, \$140.00 Manual repro, #MM-PP-4763, \$18.00

Charger/Conditioner Kit

Kit require insertion & soldering of components!

UNIVERSAL BATTERY CHARGER / CONDITIONER. NiCd and NiMH batteries or different can be charged both quickly (52 minutes) and normally (14 hours). Usable battery voltages: 1.2V, 2.8V, 3.6V, 4.6V, 6V, 7.2V, 8.4V and 9.6V. Charge current: from 15mA to 750mA. Battery is fully discharged prior to charging and thus has a longer life. 3.4" x3.1". #K7300, New, \$28.98 Recommended housing: #G311, \$10.20



Audio Filter



AUDIO LOW PASS FILTER. No specs available, but output is good from 10 hz to the limit of the filter. The drop off is very quick. The circuit is passive and causes an approximate 50 % attenuation of the signal. The input impedance

seems to be about 2400 ohms. 4.5 x 1.5 x .5, 15Khz LPF #FO69215, \$5.50

Alarm Horn

Dual Horn Electronic Assembly made by Conair Division of General Dynamic. Operates on 28VDC 2 amps at 130DB plus. Will not operate properly on 12VDC. Comes in O.D. Green louvered housing. 17.2x13.8x14.8, 40 lbs sh. #76L2661-1, Unused, \$140



Megaphone



S25 Watt Hand-held Power Megaphone with shoulder strap. With siren, Detachable anti-howl microphone with coiled lead, On/off switch, Handle with on/off switch, Separate microphone with lock function, ABS housing, Microphone sensitivity: -36±1dB

(0dB = 1V/pa), Frequency response: 500 - 8KHz, Power supply: 12Vdc (8 x 1.5V D battery, not incl.), Horn dimensions: 9.5" x 13", Length: 14". #M25SM, List Price, \$92.40; Our Price, \$75.90

Transistor Audio Amplifier

TRANSISTOR AUDIO AMPLIFIER w/5-transistors, On-Off-Volume and Tone controls. Inputs for ceramic or crystal phono cartridges. Other possible uses as intercom, homebrew receiver, child's projects. Use with 8 or 16 ohm 3" or 4" speaker. Requires 6-9 V AC or DC; with schematic. 1.5 x 2.3 x 3.3. #ER-10-1231, NEW, \$3.50 ea; 2 / \$5.75; 6 / \$13.95; 100/\$150.00



24V - 12V Converters



24VDC TO 12VDC 20 AMP CONVERTER. Compact design for in-car use. Input 24VDC. Output 12VDC. Maximum current 20 amps. Banana plugs. Fuse protected. Drop shipped from Texas. #PSDC20, New, Regular Price \$79.90; Our Price, \$69.99

24 - 12 VDC Converter. Compact design. Input 20-30VDC. Output 12VDC. Maximum current 5 Amps. Cigarette lighter plug. Fuse-protected. 3 lbs sh. #PSDC05, New, \$23.95



Wall Transformers



AURORA TOY WALL TRANSFORMER, changes 120 VAC to 9.5 VDC 350 ma output. 6' cord with slide lugs; 2 lbs sh. #AUR-95V34VA, 2 / \$4.50

CERVCO AC ADAPTER, 11.5 VAC 175 ma out-put; 6' cord w/o lugs. #CER-11.5V, 2 / \$3.50

Secondary 8VAC 375ma Wall Transformer by Hewlett Packard. 120VAC input. #82059D, Unused, \$2.00

13 VDC 1 Amp Wall transformer from 120VAC input. 6 ft cord w/ "Barrel Type" DC power connector O.D. 5.0mm; I.D. 2.5 mm. 2.6x 2.2x3.4, 2 lb, #TAACA0201, \$3.00



Electronic Trainer



Nida Trainer Model 130, Originally for electronic class troubleshooting instruction. This unit is power supply and test frame only, no test circuits. plus and minus low voltage power supply each 6, 9, 12, 15 volts and variable to 24 vdc current limited 25, 50, 75, 100, 150, 200 to 250 vdc variable with current limit of 10, 20, 30, 40 to 50 ma variable. Large voltmeter and milliammeter to monitor the output. Mini toggle switches under front panel to switch problems into circuit. This would make nice tube/low voltage breadboard station for your shop. Requires 115VAC 60Hz. 14.7x 18x9, With Schematic. 25 lbs #NIDA-130, Used, \$50

Industrial Transformers

Taps 90 thru 3KV at 20KVA at any tap #3KV-20KVA, \$999 (Primary 160V 137.5A) 5 - 3000Hz One Phase 20.3x16.5x22.5, Open Frame, Approx. 500 lbs

115/270V 4.9KVA 10x9x9.7 (C) 100 #44-115V-4.9KVA, \$275 115/135V 2.7KVA (600VAC only primary)

71V 53.5A 8.7x9x9.2 (C) 80 #44-71V-53.5A, \$225 (Primary 200/230/380/415/460/575VAC)

229V 70A 3 Phase Y 22.5x11.3x18 (C) 400 #SHED-Y, \$695 (Primary 420/440/460/480/500V 37-31A)

230V 250KVA 5.8x5.4x5.9 (C) 19 #42-230V-250KVA, \$42 (Primary 208/270/325/380VAC)

Misc Transformers

MODULATION TRANSFORMER Pri: 5500 ohm 235 ma or 2000 ohm 300 ma. Sec: 200 ohm 20ma 90 watts max. 3.1x3.5x2.9, 4 lbs. #677-0923, used, \$10

"ISOLATION" TRANSFORMER pri 115V 60 Hz; sec 105 VAC 500ma 3.5x3.5x2.5, 6lbs. #45099037, \$7.50



TRANSFORMER-POWER SUPPLY Pri: 2 x115 VAC 48-62 Hz. Sec: 570 VCT 200 MA, 25 VCT 1.2 amps, 6 V 8 A. On chassis w/sockets for two 26Z5 tubes; 20 lbs. #PS-R390A, used, \$35.00

PLACE YOUR ORDER OVER THE WEB AT FAIRRADIO.COM

Low Voltage Transformers

All 120 VAC 60 Hz primary unless otherwise noted; styles as indicated; may be "used" or "unused": Dimensions listed below are case only, so make allowance for terminals. Weights listed below are considered SHIPPING weights. Limited stock.



STYLES (A) (B) (C)

SECONDARY SIZE	STYLE	WT	STOCK #	PRICE
2.5VCT 10A, 2.2x3.7x2.4, (C)	3	#166S2,		
Hammond Mfg, New, \$22.15; 4 pcs \$19.02 ea				
5VCT 3A, 1.8x3.3x2, (C)	3 lbs sh.	#166MS,		
Hammond Mfg, New, \$13.64; 6 pcs \$11.82 ea				
Two 5 V 3 A 3x3.3x3.4 (C)	7	#P-6333	\$19.95	
7.5/6.3 VCT 3 amps, 6.3 VCT 4 A				
6.3V 1A 2.2x1.8x1.9 (B)	5	#38-6.3V-1A,	\$5.95	
6.3VCT 4A, 1.8x3.3x2, (C)	3 lbs sh.	#166N6,		
Hammond Mfg, New, \$19.42; 5 pcs \$16.53 ea				
6.3VCT 10A, 2.25x4.1x2.7, (C)	4 lbs sh.	#166S6,		
Hammond Mfg, New, \$31.81; 3 pcs \$27.11 ea				
12V 3 A, 2x2.7x2.2 (C)	4	#4-12V-3A,	\$6.95	
12 V 9 amp, 5.3x4.3x4.8 (C)	2.2	#P-601719	\$10.95	
12 V 3.2 A, 12 V 2 A, 44 V 2.5 A. (12 V windings can be wired to produce 12 V 14 A)				
12.6VCT 4A, 2.13x3.7x2.4, (C)	3 lbs sh.	#166N12,		
Hammond Mfg, New, \$23.89; 4 pcs \$20.36 ea				
12.6VCT 8A, 2.5x4.5x3, (C)	5 lbs sh.	#166R12,		
Hammond Mfg, New, \$33.13; 3 pcs \$28.12 ea				
14VCT 2A, 1.8x2.7x2.2, 3		#F-251X,	\$7	
Open Frame				
16V 28A, 6.4x5.3x5 (C)	20	#10-16V-28A,	\$39.95	
16.5 VCT 2 amps 2.6x2.5x2 (C)	2	#BE15869	\$5.00	
16.8VCT 6A, 2.9x3.3x4.1 (C)	6	#32-16.8V-6A,	\$12.95	
15.5VCT 250ma, Open Frame Epoxy Coated,				
18V 4A 2.5x3x3.5 (B)	4	#13-18V-4A,	\$8.50	
18V 5.4A, 4.5x4.8x4(C)	16	#401-21	\$10.95	
26 V 1 A, 6 V 900 ma, 25 V 500 ma, 35-10-0-10-35 V 5 A				
18 V 1.5 A, 3x4x3.5 (C)	7	#BE12696	\$6.00	
19 V 2.5 A, 10 V 4 A				
22VCT 3 Amps 3.8x3x4 (B)	8	#3S92890015	\$11.95	
80VCT 1.5 Amps				
24V 20VA, 2.1x2.6x2.5, (B)	2	#6-24V-20VA,	\$4.95	
Torroid Transformer has dual 24VCT 8 amps outputs from 115V 60Hz input. With hardware & 2.3x8.8x5.6 chassis. Torroid 4.5" diameter x 1.5" height. 8 lbs sh. #BC-24V-ASSY. \$35.95				
Taps 24/19/10V 1KVA at any tap 6x11x14 (A) #4 #M1539,\$99				
25.2VCT 2A 2.1x3.9x2.6 (C)	4	#F-41X,	\$10.00	
28V 35.7A, 5.7x6.3x7.7 (A)	43	#35.7A,	\$100.00	
Unused, Made by Walker Electrical				
29.2V 2A 3.5x3.9x3.5 (A)	7	#612-29.2V-2A,	\$10.00	
22.5V 2A				
2x30 V 250 MA 1.8x2x1.5(C)	1	URC#60605	\$3.00	
30 VCT 560 ma 2.5x2.3x2 (C)	2	#401-6	\$3.50	
40 VCT 450 ma				
32 V 3.5 amps 3.3x2.8x2.3(C)	4	#2-111219	\$6.95	
32 VCT 1.5 A; 2.5x2.6x2.1(B)	3	#142259	\$4.95	

35 VCT 1A 2.5x2.8x3(B)	3	#1341155-2	\$3.00	
Rusty condition				
38VCT 1.4A 2.2x3.3x2.3 (B)	4	#203A6725,	\$6.00	
5V 1 amp				
38.9V 4A 2.6x3.8x3.5(C)	5	#021/0220050	\$8.75	
tapped 26-9-3-0.9 V, 150 VCT 200 ma				
40VCT 1A 2.2x3.7x2.2 (C)	4	#URC56000,	\$6.00	
46VCT 1.5A, 3.3x3.9x5.5, 11		#43-46V-1.5A,	\$11	
74VCT 150ma,				
70 VCT 5 A, 4.5x4.8x4 (C)	16	#401-21	\$10.95	
tapped 20 VCT; 18 V 5.4 A, 26 V 1 A, 6 V 900 ma				
80VCT 1.5 Amps 3.8x3x4 (B)	8	#3S92890015	\$11.95	
22VCT 3 Amps				
90VCT 2A, 4.1x3.4x2.9, (C)	9	#24-90V-2A,	\$17.00	
Dual 90V 2.5A, 3x5.2x4.4, (C)	13	#20-90V-2.5A,	\$23	
tapped on each of the 95V windings at 60V, 32 vct around 200ma				
Dual 95V 2.5A, 3x5.2x4.4, (C)	13	#28-95V-2.5A,	\$26	
tapped on each of the 95V windings at 60V, 32 vct around 200ma				
100V 8.5A 7x6.1x6 (C)	33	#42-100V-8.5A,	\$62.00	

HV Transformers

SECONDARY SIZE	STYLE	WT	STOCK #	PRICE
375 VCT 50 MA 2.5x3x2.6 (B)	3	#8316527	\$7.50	
6.3 V 2 amp (230 VAC only primary)				
380VCT 65ma, 6.3 V@2.5 A, 2.7x2.2x2.7, 3 lbs sh.				
Hammond Mfg, New, #269EX, \$39.92; 3 pcs \$33.33 ea				
500VCT 125ma, 6.3V 1A, 2.9x2.5x3.3 (B)	5	#TR180,	\$18	
520VCT 90ma, 6.3 V@3.5 A, 3x2.5x3.2, 5 lbs sh.				
Hammond Mfg, New, #270DAX, \$50.72; 2 pcs \$45.60 ea; 4 pcs \$42.88 ea				
550VCT 200ma, 5 VCT@3 A, 6.3 VCT@6 A, 4x3.2x3.9, 10 lbs sh. Drop shpd from NY. Hammond Mfg, New, #270HX, \$70.72; 2 pcs \$66.71 ea; 4 pcs \$64.18 ea				
570VCT 200 MA 6x5.2x4.2 (A)	20	#390AHV,	\$34.95	
25VCT 1.2 amp, 6V 8 amp, (115 or 230 VAC primary)				
600VCT 250ma, 5 VCT@4 , 6.3 VCT@8 A, 4x3.8x4.6, 11 lbs sh. Drop shpd from NY. Hammond Mfg, New, #272JX, \$73.10; 2 pcs \$69.02 ea; 4 pcs \$66.30 ea				
640VCT 128ma, 3x2.9x3.9, (C)	6	#TF1A03YY	\$24.95	
6.3 V@5.3 A, Epoxy Coated.				
640VCT 150ma, 5 VCT@3 A, 6.3 VCT@5 A, 3.5x3.2x3.9, 9 lbs sh. Drop shpd from NY. Hammond Mfg, New, #276X, \$72.42; 2 pcs \$68.34 ea; 4 pcs \$65.62 ea				
700VCT 175ma, 5 V@3 A, 6.3 VCT@5 A, 4x3.2x3.9, 10 lbs sh. Drop shpd from NY. Hammond Mfg, New, #273BX, \$70.72; 2 pcs \$66.71 ea; 4 pcs \$64.18 ea				
750VCT 175ma, 5 VCT@3 A, 6.3 VCT@6 A, 4x3.2x3.9, 10 lbs sh. Drop shpd from NY. Hammond Mfg, New, #274BX, \$70.72; 2 pcs \$66.71 ea; 4 pcs \$64.18 ea				
800VCT 200ma, 5VCT@3 A, 6.3 VCT@6 A, 4x3.2x3.9, 11 lbs sh. Drop shpd from NY. Hammond Mfg, New, #278X, \$83.55; 2 pcs \$79.47 ea; 4 pcs \$76.75 ea				
800VCT 465ma, 6.3 VCT@6 A, 5x3.8x4.6, 18 lbs sh. Drop shpd from NY. Hammond Mfg, New, #278CX, \$88.56; 2 pcs \$84.48 ea; 4 pcs \$81.76 ea				
850VCT 150ma, 5 V@3 A, 6.3 VCT@5 A, 4x3.2x3.9, 10 lbs sh. Drop shpd from NY. Hammond Mfg, New, #279X, \$76.71; 2 pcs \$72.63 ea; 4 pcs \$69.91 ea				
920VCT 50-70ma, 4.4x5.1x6, 17 #52-920V-50MA, \$27 1240VCT 50-75ma,				
1000VCT 200ma, 5 VCT@3 A, 6.3 VCT@6 A, 4.5x3.8x4.6, 14 lbs sh. Drop shpd from NY. Hammond Mfg, New, #282X, \$90.21; 2 pcs \$86.13 ea; 4 pcs \$83.41 ea				
1900VCT 30ma, 4.3x4x6, 12 #51-1900V-30MA, \$35 1150VCT 50ma,				

Chokes



Swinging Choke, 1.5MHy at 200maDC, 460UHy at 4 ADC, DCR 0.24ohm. 1.7 dia. x 1.4 ht, 2 lbs sh. #TW-64713, \$12.00

1.5 mHY/3.0mHY 11A/1A swinging 6.8v-120cps .07 ohm 2x2.3x3, Sealed frame, 4 lb,#103-1.5MH-11A,\$11.50
C-114 LOADING COIL, adds 88 mH inductance to field phone wire increasing effective range 125+%. Water tight case; 4 lbs sh. #C-114, Used, \$12.00
5Hy 150ma, 105 ohm, 400VDC, 2x3.3x2, (C) 3 lbs Hammond Mfg, New, #158Q, \$20.95; 4 pcs \$18.10 ea
8Hy 100ma, 259 ohm, 400VDC, 1.8x3.3x2, (C) 3 lbs Hammond Mfg, New, #157M,\$23.37; 4 pcs \$19.95 ea
8Hy 128ma, 200 ohm, 505VDC, 2.2x2.3x3.1, (C) Epoxy Coated. 3 lbs sh. #TF1A04YY, \$15.00
10Hy 100ma, 262 ohm, 400VDC, 2x3.3x2, (C) 3 lbs Hammond Mfg, New, #158M, \$20.69; 4 pcs \$17.91 ea
15Hy 100ma, 256 ohm, 500VDC, 2.3x4.1x2.7. (C) 4 lbs Hammond Mfg, New, #159M, \$26.57; 4 pcs \$22.43ea
20Hy 100ma, 181 ohms, 600VDC, 3.3x2.5x3.1, (B) 5 lbs Hammond Mfg, New, #193C, \$37.37; 3 pcs \$30.99 ea

Audio Transformers

Primary	Secondary
50 ohms 30ma	500 ohms 400 to 1900 Hz Mic Transformer 1.5x1.3x1.5(A) 1 lb #T204/PP115 \$4.
100 ohm to 200 ohm Driver Transformer. No further info. 1x2x1.2, (C) 1 lb sh. #TR65, Unused, \$4.	
100 ohms 100K ohms; input transformer, 2.1x2.2x3.2 (A), 2 lb #T3/AM20, \$10	
2/ 300 ohms 15 ma DC, Sec: 600 ohms, + 9dbm 100 - 3500 hz, 1.4 x 1.4 x 2.3, Made by UTC H-9985, #225C1015, \$10.00	
600 ohms 8 ohms 2 watts, 1.6x"H x 1.3" dia. Removed from LS-166, #T1/LS166, \$19.00	
10000 ohms 12ma DC, Sec: 8 OHMS, 100-3500 HZ. 1.5 X 1.5 X 2.3 H, #225C1010, \$15.00	
10000 ohms 600 ohms, 100 mw, 200 - 20000 hz, DC current 0 Zero, Made by Freed. 1.3 x 1.3 x 2.3, #27780 \$15.00	
Transistor Interstage Transformer. Primary 10K ohm to a Secondary 200 ohm Center Tap. Made by Stancor. Unused, #TA-34, \$12.00	
Pri: 60000 (1.5 ma 90v), tapped 12500 (6.5 ma 90v) Secondary 600 ohms tapped 8 ohms, 200 - 3800 hz 200mw, 1.5 x 1.5 x 2.5. #TR-1017, \$18.00	
Audio transformers which we were told were from Altec/Altec Lansing Public Address amplifiers. We have no specific data on these, but offer them to those who may know what they are. All ohms listed below are DC resistance.	
Pri. 0.5 ohm; Sec. 8.7 ohm tapped 8.4, 8.3, 8. Open frame, 2.7x3.7x2.3, 4 lbs sh. Sam Woo mfg. #050-7000-00, \$6.00	
Pri. 0.3 ohm; Sec. 3.7 ohm tapped 3.65, 3.6, 3.5. Open frame, 2.9x3.4x2.8, 6 lbs sh. Sam Woo #50-7001-00, \$9.00	
Tamradio #302216, Winding(1) 19.3 ohms, (2) 5.7 ohms CT, (3) 3.4 ohms CT, (4) 5.2 ohms CT, (5) 20.4 tapped 17.1 ohms, (6) 21.5 tapped 16.7 ohms. Open frame, 3.1x3.2x2.8, 5 lbs sh. \$6.00	
TRIAD TRANSFORMER	
#TY--61X TRANSISTOR DRIVER 100 ohms 100 ma : 100 ohm CT, 50-10KHz 500 mw. 2.7x1.5x1.5. \$5.00	

MANY ITEMS NOT LISTED - TELL US YOUR NEEDS

Switching Power Supplies



HEAVY DUTY SWITCHING SUPPLY, outputs +5 VDC 28 amps, +12 V 4 A, +24 V 1.5 A from 115 VAC 60 Hz in. W/ ON-OFF switch, & 16-pin Molex output connector. "AS-IS" complete, no schematic" 2x5x13, 6 lb #SWPS-528, \$8.95

SWITCHING POWER SUPPLY with 3" axial fan. Outputs +5 V 10 amp, +12 V regulated 2.5 A, +12.5 V 5 A unregulated from 115 VAC 50/60 Hz input. P/o Wang equip. 2.6x5.1 x12.5, 7 lbs. #12690, \$17.00



POWER SYSTEM switching supply, outputs +5 V 7 amps, +12 V 3 amps, -12 250 ma, -5 300 ma from 115/230 VAC 50-60 Hz input. 7.8x 4.4x1.5, 3#. NEW: #PS1558, \$18.00

Switching Power Supply, Outputs: 5VDC 20A, 15VDC 2.5A, -15VDC 1.0A, 24VDC 4.0A. Housing is perforated. Requires 115/230VAC 50/60 Hz. Xentek Inc mfg. 10.9x7x4.2, 7 lbs #SX200-81605, Used, \$10.00; 4 for \$34.00



Switching Power Supply, Outputs: 5VDC 21A, -5.2VDC 7.5A, 12VDC 4.7A, -12VDC 1.5A. Each output has a potentiometer adjusting the voltage +/- 1 volt. Perforated

housing with a heatsink on top. Requires 115VAC 60 Hz. Various mfg. 10.9 x 7 x 4.2, 15 lbs #A3060884, Unused, \$12.00; 3 for \$29.95



24VDC 11 amp output switching power supply which DOES WORK with the R-392 and GRC-106 Receiver / Exciter. Requires 115V or 230V 60Hz. Made by Acme Electric Corporation. 9.5x5x2.5, 6 lbs sh. #25A1, Used, \$55

Power Supply Modules

+5/-5 V 3 AMP REGULATOR BOARD, up to 24 VDC unregulated. Capacitors two 15000 mf 15 V, 33000 mf 30 V. Two each KBPC rectifiers, 2N6576, 2N4441 SCR. 7.8x6x4; 3 lbs sh. #MEND-REG-5V, \$6.00



REGULATOR MODULES from Sun supplies, each with current limit and voltage adjust. Includes bridge rectifier, filter capacitor, two 2N3055 or equal and 723 regulator; 2 lbs sh. No

further info. #SUN-REG-124, 12 V 4 amp, \$12.00 #SUN-REG58, 5 V 8 A w/OVP; \$10.00

Power Supply Kit

1A POWER SUPPLY KIT. This small power supply provides a regulated voltage, adjustable between 1.5 and 35 volts at 1 Amp. With the LM317 regulator remarkably better ripple and regulation characteristics are given with conventional regulators. Current limiter and thermal overload protection are included in the IC. Supplied without heatsink. Output current: 1.5A max. Max. dissipation: 15W (cooled). Max. input voltage: 40VDC. PCB dimensions: 2.1" x 2.1". #K1823, \$15.95



Power Supplies



5 VDC 3 AMP EXELON DC REGULATED SUPPLY, and 12 VDC 0.1 amp output from 115/230 VAC 47-63 Hz input. 5x5.3x2.8, 4 lbs. #PS-1545, NEW, \$12.00

12 VDC 1.5 AMP DC POWER SUPPLY, Adjustable +/- 2.25 volts. Requires 115 VAC 60 Hz; Mfg by ACDC Electronics. 4.9x6.3x3.4, 7 lbs sh. #10-4131-045, Unused, \$23.00



COLECO DISK DRIVE POWER SUPPLY for ADAM system; transformer type with outputs +5 V 3 amp, +12 V 2.9 A, -5 V 200 ma, and +18 V inductive 1 A. 115 V 60 Hz input. With cords and On-Off switch. 11x4x8, 10 lbs sh. #COL72559, unused, \$12.00

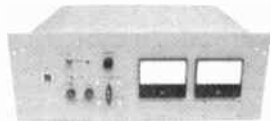


Linear Regulated Power Supply by Lambda, adjustable 20VDC +/- 5% at 5 amps. Perforated housing. Requires 205-265VAC 55-65 Hz. 10x4.9x4.8, 17 lbs, #LM-CC20-V, Used, \$52.00



27.3VDC 7.5 Amp Elpac Power Supply. Input is 115VAC 60Hz. Not Regulated. 5x8x3.9, 15 lbs sh. #BFS200-24, \$34.95

Rackmount Lamp Power Supply by Westinghouse covering 12 to 65VDC at 3 to 9.5 amps from an input of 115/230VAC 60Hz.



The power supply does have a current adjust but does NOT have a voltage adjust. The voltage is directly relative to what the current is set at. Has 2.9"H x 3.5"W panel meters for Amps and Volts. Running time indicator. 15.5x19x7, 49 lbs sh. #WE-65, Unused, \$139.50



Sorensen DCR40-13B Rackmount Power Supply 0 to 40 V @ 13 A. Low-level remote sensing, manual &

automatic control, direct & master-slave paralleling & series operation. Low ripple and noise. Fine/coarse adjustments for current and voltage. Large analog current and voltage meters Power required 115 V 50/60 Hz, 19x21x3.5, 48 lbs sh. #DCR40-13B, Used Checked, \$325.00

H V Supply



HIGH VOLTAGE POWER SUPPLY, input 120 VAC 60 Hz. DC outputs: -8000 V 0.25 to 1 ma, +120 V 15 ma, +24 V 1.25 amps, +16 V 450 ma. 4x9.5x4, 17 lbs sh. #GE9T63Y2280G03, Used, \$14.95

5 - 24 VDC Power Supply



COMPACT SWITCHING POWER SUPPLY, 20 selectable outputs: 5 to 24V DC in steps of 1V (from 4.3 to 1.5A) Power: 36W. Get rid of those bulky power-hungry heat-producing adapters. These adapters use state-of-the-art

switching power supplies and feature some major advantages such as: - cooler running - stabilized output - short-circuit and overload protection - compact design - very low idling consumption. Comes with 8 detachable DC plugs. Ideal for notebook computers & personal digital electronic devices. Requires 100 ~ 240V AC. Output plugs: 2.5mm mono, 3.5mm mono, 1.0x3.0mm, 1.35x3.5mm, 1.7x4.0mm, 2.1x5.0mm, 2.5x5.5mm, 1.5x5.5mm. 3.5"x1.8"x1.2", #PSSMV7U, New, \$49.95

Variable Transformers

- - OTHER RATINGS AVAILABLE - -
Tell us your needs!

All variable transformers listed below are used good condition unless otherwise specified.

GENERAL ELECTRIC VARIABLE TRANSFORMER, input 120 VAC 60 Hz. Isolated output 0-60 VAC. Maximum current load: 5 amps. Two units wired in series will produce 120 VAC output. Coil not enclosed; dial plate & knob not included. 4.4" dia X 4" H; 6 lbs GE #9T92A1515, New, \$24.00; 2 for \$39.95



POWERSTAT variable transformer, no dials & knobs. 0-30V at 25 amps 60 Hz or 15-0-15V at 35 amps 60 Hz out from 120/240 V input double wound; Actually has two isolated 15V secondaries. Great basis for a 12 or 24 volt power supply. Enclosed, motorized 3 section (3 phase). 12" dia X 30"H, 90 lbs. #DMLW-136BT-3, \$225.00

380 HZ VARIABLE TRANSFORMER, input 120 VAC 380/1000Hz; output 0-120 VAC 380/1000 Hz 13 amps. 7x6.2x3.3, 9 lbs. #GA5065OL \$26.00



+++++
Variable transformers listed below are 240VAC 60Hz Inputs; not enclosed. Used unless otherwise stated.



Powerstat 9 Amps 0-240V, Input 240V, motorized, perforated sides. 9.1x9.5x10, 30 lbs, #2388-10698, \$100.00

Staco 10 Amps 0-240V, input 240V, motorized, perforated sides. 8.9 x 9.5 x 10.3, 30 lbs sh, #033-7015, \$115.00



Acopian Power Supplies

Acopian Gold Box Series Power Supplies. Fully enclosed with terminals for wire connection. Perforated covers. Each unit is linear regulated and requires 105-125VAC 50-400Hz. All voltages listed are DC. Removed from lightly used equipment. Nice & clean.



2V 6.0A, A2MT600, \$23.00
2V 12.0A, A2MT1200, \$29.00
+/- 5V 2.5A, Dual Track VTD5-250, \$29
5V 5.0A, VRB5G500, \$23.00
5V 5.1A, VA5MT510, \$23.00
5V 6A, VA5MT600, \$23.00

5V 12A, VA5MT1200, \$40.00
5V 17A, VA5H1700, \$35.00
5V 22A, VA5H2200, \$40.00
12V 6A, VA12MT650, \$95.00
±15V 400 ma, Dual Track VTD15-40, \$40
±15V 500MA Dual Track VFD15-50, \$40
15V 2A, VA15NT200, \$65.00
±15V 2.5A, Dual Track VTD15-250, \$90

15v 3.0A, VRB15G300, \$85.00
±15V Dual Track 4.5A, VTD15-450, \$110
18V 2.1A, B18G210, \$29.00
20V 13A, VA20HT1300, \$78.00
24 V 750mA, B24G75, \$23.00
0-50V 1.2A, VA050MX120, \$58.
0-100V 100ma, A0100MX10, \$80.
200v 100ma, B200GT10, \$145.00

CHECK OUT OUR LATEST FEATURE ITEMS AT FAIRRADIO.COM

Inverters



12 VDC to 120 VAC 60 HZ INVERTER, rated 200 watts continuous; 600 W surge. Output is squarewave with zero-crossing. Has studs for input & 3-cond outlet. 3 x 7.5 x 4.8, 7 lbs. #RC-12200, New, \$59.50

ROTARY INVERTER, output 115 VAC 400 Hz 1 phase 750 VA from 28 VDC 60 amp input; Leland or =. 12x9.5 x7, 42 lbs sh. #INV-750, Gov't-Recond, \$67.00



Motor Generator for GRC-106 Model SS688. Input 27.5VDC 24 Amps. Output 115VAC 60Hz 3.48 Amps. Continuous duty. 3600 RPM. 12x6.5x12, 47 lbs sh., #SS688, Used, \$75.00

400 HZ INVERTER KIT removed from PP-2352; good foundation for 28 VDC to 115 VAC 400 Hz 500 watt 1 phase inverter. Includes oscillator feedback, driver, output, & regulator transformers, two saturable reactors & schematic info. Add other components to suit your power needs; 10 lbs #KIT400HZ-500W, \$58.00



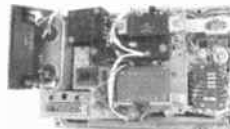
400 HZ SOLID STATE INVERTER KIT will produce 115 V 400 Hz at a current and voltage dependent on the transformer you use. Supplied parts include, special feedback transformer, resistor/diode boards, two transistors on heatsinks which when combined with your center tapped transformer will produce 400 Hz power. For 12vdc operation use a 20-26 vct transformer. For 28 volt input use a 40-52 vct transformer. With schematic & info. #INV-47, \$23.00

Power units FROM AM-3349 see better pictures at our web site.



DC-AC 400 HZ INVERTER. Input 26 VDC. Designed outputs 120 VPP 400 Hz and 156 VPP 400 Hz. Also 12.6 VPP

400 Hz 600 ma for filaments. Components mounted in irregularly shaped casting. Transformer is not removeable. Removed from equipment. With schematic. 2.3x6.6x4.9, 5 lbs sh. #2A6A1, \$30.00



Inverter from AM-3349 which contains the DC - DC supply for the High voltage power supply that powered two 4CX350F tubes to 400 watta PEP. Power input is

24VDC. This supply produced 500 VDC plate and screen grid supply for 8233 driver tube, and screen grid for PA tubes. Also 2400 VDC plate voltage for PA tubes. Transformer and components are mounted to irregularly shaped casting. With schematic. 7x18x6.9, 21 lbs sh. #3349-INV, \$58.00

Dynamotor Supplies

- #D-10A Used, \$18.00;
- #D-401 Used, \$15.00
- #DM-36 Re-new, \$18.00
- #DM-53-24, 24V Used w/ base, \$12.00
- #DM-53-12, 12V Unused w/ base, \$23.00
- #DY-9 or equal from ARC1, \$17.00
- #DY-86 from ARN-30, \$18.00;
- #DY-107 Used, \$43.00
- #PE-98 14V Used, \$35.00;
- #PE-133 Unused, \$18.00

#2C4312/B50 Hinge Set f/ DM-21 in BC-312, Used, \$15

NTE Semiconductors

NTE Cross Reference CD, \$5.00

NTE#	DESCRIPTION	PRICE
2V130	MOV 130V RMA	\$1.97
85	T-NPN SI GENERAL PURP AMP TO-92	\$1.02
109	Diode-Germanium Gen Purp 75PRV DO-7	\$1.80
112	DIODE-SI-UHF TV/MIXER DO-7	\$1.57
116	RECTIFIER-SI 600V 1A DO-41	\$0.79
123	T-NPN SI-AF PREAMP/DRIVER TO-39	\$0.70
123A	T-NPN SI-AF/RF AMP TO-18	\$1.59
123AP	T-NPN SI-AF/RF AMP TO-92	\$1.33
125	RECTIFIER-SI 1000V 2.5A DO-41	2/\$0.89
125-10	Pack RECTIFIER-SI 1000V 2.5A DO-41	\$3.49
125-100	Pack RECTIFIER-SI 1000V 2.5A DO-41	\$28.99
128	T-NPN SI-AF PREAMP DRIVER TO-39	\$2.17
128P	T-NPN SI General Purpose AMP TO-237	\$1.54
129	T-NPN SI-AF OUTPUT TO-39	\$2.40
130	T-NPN SI-AF POWER OUTPUT TO-3	\$4.30
135A	ZD-5.1V 1W DO-41	\$0.66
142A	ZD-12.0V 1W DO-41	\$0.66
145A	ZD-15.0V 1W DO-41	\$0.66
156	RECTIFIER-SI 1000V 3A DO-15	\$1.40
159	T-PNP SI-AF PREAMP DRIVER TO-92	\$1.74
172A	T-NPN SI-DARLINGTON AMP TO-98/92	\$0.98
177	Diode-SI Gen Purp Det 200 PRV DO-35	\$1.19
181	T-NPN SILICON AUDIO AMP TO-3	\$8.50
184	T-NPN SILICON AUDIO PO TO-126	\$2.45
185	T-PNP SILICON AUDIO PO TO-126	\$2.75
199	T-NPN SI-LO NOISE TO-92	\$1.17
253	T-NPN SIL DARL80V HFE-2000 TO-126	\$2.37
261	T-NPN SIL DARL80V TO-220	\$2.66
262	T-PNP SIL DARL80V TO-220	\$2.38
263	T-NPN SIL DARL80V TO-220	\$2.80
287	T-NPN SI-HI VLTG Gen Purp AMP TO92	\$0.88
289A	T-NPN SI-AF POWER OUTPUT TO-92	\$1.56
290A	T-PNP SI-AF POWER OUTPUT TO-92	\$1.62
291	T-NPN SI-POWER OUTPUT/SW TO-220	\$3.49
303-5	Pack HEAT SINK COMP'D 1 GRAM	\$2.77
331	T-NPN SI-AUDIO PO/SWITCH TO-220	\$3.66
373	T-NPN SI-AF DRIVER TO-126	\$1.98
378	T-PNP SI-Power Driver/Output TO-220	\$3.38
399	T-NPN SI-VIDEO OUTPUT GIANT TO-92	\$3.60
422-2	Pack Isolator Kit for TO-220 Package	\$1.96
423-2	pack IC SOCKET 8PIN DIP	\$1.34
458	JFET-N-CHAN GEN PURP AMP TO-92	\$1.99
506	RECTIFIER-SI-HI CUR/FAST SWITCH	\$1.96
519	DIODE-SI FAST SWITCHING DO-35	\$1.19
552	RECTIFIER-SI 600 PRV 1A DO-41	\$1.59
558	RECTIFIER-SI 1500V 1A DO-41	\$1.69
570	D-SI CONTR AVALANCHE 135V TO 180V	\$1.58
574	R-SI 400V 1A FAST RECOVERY DO-41	\$0.62
576	RECTIFIER-SI 400V 5AMP 35NS DO-27	\$1.70
577	RECTIFIER-SI 1000V 5AMP 70NS DO-27	\$4.33

NTE Cross Reference Book, \$4.95

NTE#	DESCRIPTION	PRICE
580	RECTIFIER-600V3A FAST RECORD	\$3.44
588	DIODE-SI 200V 3A ULTRA FAST DO-27	\$1.76
618	DIODE-AM RADIO TUNING DIODE	\$2.99
778A	IC-DUAL OP AMP 8 PIN DIP	\$3.81
941M	IC-FREQ COMP. OP AMP 8-PIN DIP	\$1.07
955M	IC-TIMER/OSCILLATOR 8-PIN DIP	\$1.86
960	IC-POS VR 5V 1A TO-220	\$3.73
966	IC-POS VR 12V 1A TO-220	\$3.93
987	IC-QUAD OP AMP 14-PIN DIP	\$2.48
1866	IC-LED VU Scale Meter Driver 9-PIN SIP	\$2.14
2018	IC-8 CHAN CMOS/TTL DR 18-PIN DIP	\$3.81
2331	T-NPN SIHI VLTG Horiz Switch w/ Damper	\$9.98
2343	T-NPN SI Darl Power Amp/Switch TO-220	\$2.36
2353	T-NPN SI COLOR TV HORIZ OUTPUT	\$10.51
2389	MOSFET-PWR N-CHAN HI SPD SW TO-220	\$7.67
2395	MOSFET-PWR N-CHAN HI SPD SW TO-220	\$5.29
3041	Opto Isolator/NPN Transistor Output	\$2.11
4006B	IC-CMOS 18 STAGE 14-PIN DIP	\$3.00
5077A-2	pack ZD-18.0V 1W DO-41	\$1.98
5304	RECTIFIER-SI BRIDGE 400V 1.5A	\$1.73
5322	RECTIFIER-SI BRIDGE 200V 25A	\$4.80
5332	RECTIFIER-SI BRIDGE 600V 1A	\$1.67
5342	RECTIFIER-SI BRIDGE 600V 40A	\$11.99
5344	RECTIFIER-SI BRIDGE 1000V 40A	\$12.99
5800	RECTIFIER-50 PRV 3A Axial Lead DO-201	\$0.51
5801	Rectifier-100 PRV 3A Axial Lead DO-201	\$0.76
5804	Rectifier-400 PRV 3A Axial Lead DO-201	\$1.18
5809	RECT-1000 PRV 3A Axial Lead DO-201	\$2.60
5812	RECTIFIER-100 PRV 6A	\$1.58
5814	RECTIFIER-400 PRV 6A	\$1.84
5815	RECTIFIER-600 PRV 6A	\$2.89
5817	RECTIFIER-1000 PRV 6A	\$3.70
6419	SIDAC 110-125V	\$2.76
7407	IC-TTL Hex Buffer/Driver 14-Pin Dip	\$1.57
8085	THERMAL FUSE 87°C	\$1.60
8090	THERMAL FUSE 93°C	\$1.60
8098	THERMAL FUSE 100°C	\$1.60
8103	THERMAL FUSE 104°C	\$1.60
8118	THERMAL FUSE 121°C	\$1.60
8139	THERMAL FUSE 141°C	\$1.60
8181	THERMAL FUSE 184°C	\$1.60
8213	THERMAL FUSE 216°C	\$1.60
8242	THERMAL FUSE 240°C	\$1.60
75189	IC-DTL QUAD Line Driver 14-PIN DIP	\$2.14
TP0001	Thermo Pad for TO-3 - 5 Pack	\$1.66
TP0002-100	Thermo Pad for TO-66 - 100 Pack,	\$17.95
TP0004	Thermo Pad for TO-126 - 5 Pack	\$0.89
TP0006	Thermo Pad for TO-220 - 5 Pack	\$1.22
TP0007	Thermo Pad for DO-5 - 5 Pack	\$1.34
TP0010	Thermo Pad for TO-3PML - 5 Pack	\$2.20

Regulators / Conditioners



ONEAC power conditioners combine an isolation transformer with power conditioning to protect your equipment. Various power connections are available. Made by ONEAC.

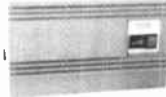
Input 280 VAC 16 amps 50/60 Hz. Output 240/120 VAC 16 amps. Load regulation 2%. 18.3x10.5x10.5, 100 lbs sh, #CC2333,\$95

Input 208 VAC 12.6 amps. Output 240/120 VCT 10.4 amp. 18.3x10.5x10.5, 95 lbs sh. #CS2328-8, \$80.

Input 208 VAC 20.8 amps. Output 240/120 VCT 17.4 amp. 18.3x10.5x10.5, 95 lbs sh. #CS2348-8, \$100.

Input 120 VAC 12 amps. Output 120VAC 12 amps 50/60 Hz. 15.3x8.5x5, 45 lbs sh. #CS1115R, \$115.00

WANG POWER CONDITIONERS, electronic line voltage regulators with full magnetic isolation protects computer & similar equipment from line voltage surge or "sag" damage. Provides "clean" 120 VAC 60 Hz output from inputs of 90 to 135 VAC 60 Hz. Low input shutdown @ 50% of nominal. OVP shutdown @ 12% above max output. 7.8x13x10.4: 1000 VA output with one large L5-20R receptacle; 45 lbs sh. #SC-100A-PC, New, \$225.00



60 Hz - 400 Hz Converter



Static Frequency Converter, Input 120V 60Hz to 117V 400Hz 500 watts single phase. Overload protection. With maintenance manual, power input cable and connector for output.

21x12x15, 120 lbs sh. Unused, #CV-2488, \$330.00

Saber / Astro Charger

Motorola NTN4734A Saber / Astro Battery Desktop Charger. Output 9.5VDC 1.5A. Requires 115 VAC 60Hz. It has been tested and is in good physical condition. With power cord. 6.5x7.6x3.3, 6 lbs sh. #NTN4734A, Used, \$29.95



As above but less power cord. #4734A-NOCORD, Used, \$24.95

Handcrank Generator



G-41 (or equal) Handcrank Generator, used in various military phone equipment such as TA-312. 90V w/ very low amps. Use to replace

"dead" generator in antique phone or for remote bell ringer or as "worm shocker". 4" L x 2.5" diameter. 4 lbs sh. #G-41, Used, \$45.00

PLACE YOUR ORDER OVER THE WEB AT FAIRRADIO.COM

Other Semiconductors

2N3716, \$2.50 2N4126, 5/\$1.25 2N6292, 2/\$1.25
2N3739, \$2.50 2N5428, \$1.25 2N6675, \$4.50

REGULATORS

1.2-37V 1.5A out; 0.03% load reg., #LM-117K, \$4.00
30W 3 amp 5V positive regulator, #LM-123K, \$2.25
Negative adjustable regulator, #LM-137K, \$2.25

Metal Oxide Varistors "MOV" ---

Part #	VAC	Joules	Amp Pk	Price
S14K60	60	17	4500	\$1.00
S14K130	130	34	4500	\$1.15
S10K230	230	36	2500	\$1.20
S14K175	175	46	4500	\$1.30
S14K275	275	71	4500	\$1.45
250L20	250	72	4500	\$1.50
75UL	275	75	4500	\$1.60
Z510LA40A	510	110	4500	\$1.80
140UL	275	140	6500	\$1.90
S20K510	510	280	6500	\$2.00

IsoTop Power MOSFET

Power MOSFET, Low gate charge- Fast Switching
Rds on 0.180 ohm, Id continuous 40Amps Pd watts
690, Ciss(pf)11715 Qg (nC) 468, removed from equip-
ment, no hardware. Hardware required is metric.
15/16"D x 1 7/16"W x 7/16"H, #APT8018, \$17.00

Rds on 0.150 ohm, Id cont. 38Amps, Pd watts 520,
Ciss(pf)5540 Qg (nC)242 removed from equipment,
no hardware. Same style as above. #APT6015, \$16.75

Rectifiers

1 AMP 50 PIV, #1N4001, 20/\$1.20
1 Amp 400 PIV, #1N4004, 15/\$1.20;
1 Amp 1000 PIV, #1N4007, 10/\$1.20
12A 100V, #1N3890, 4 for \$3.50
20 Amp, 100PIV, #1N249B, \$1.25
35A 100V, #1N1184, Used, \$1.50
200 PIV 300 A; 4" tail. #D-R610-0230, Used, \$10.00
RF DIODES: 1N21, \$1.50; 1N23, \$3.00

Motorola MR1265FL Rectifier rated 300 PIV 650 amp;
with hardware. 3.3x2.3x3.3, 3 lbs New, \$21.00

Diode Heatsink Assembly

SILICON CONTROL RECTIFIER
assembly single phase half-wave; GE
#C1411CX5 or equivalent. Rating
approx 500 V 35 amps. 7x6.3x5, 4 lbs
sh. #KS-19576L1, Used, \$7.95

Power Heatsink with
giant diode. We approximate the
diode to be at least 100 amps.
Heatsink 6x4x3. #PWR-HS, Used, \$8

POWER HEATSINK with SCR
Westinghouse T600121504BT.
This series is 1.2KV. Could
not find specs but it should be
at least 125 Amps. Also, diode
IR 150K120A 1.2KV 150 Amps MOV V510PA80C. No
specs on this but it is large. Heatsink 7.75" x 6" x 3",
8 lbs #T600121504BT, \$14.95

Heatsinks

Heat Sink Bonanza!!! Get 10
pounds of various heatsinks in
different shapes & sizes with or
without diodes & semiconductors.
#HEAT-10GB, \$12.00

As above but 25 pounds. #HEAT-25GB, \$23.00

1.75" square Heatsink for one TO-3. Has 4
mounting holes. #680-75A, Unused, \$1.50

Heatsink for one TO-3. 1.9" x
1.4", #THM-6013, Unused, \$1.25

3x4.5x1.3 for two TO-36, #2T34513, \$1.50 ea

HEATSINK, 5x3x1.6; drilled for 3 large stud rectifiers
(1" dia recesses), #3D528-8, \$2.50

AC Fans



5-BLADE COOLING FAN, 4.6"
dia rotation; no enclosure.
Mounting bracket hole centers
5.9" apart. 115 VAC 60 Hz. 2
lbs shipping. Mfg by Airtrol.
#11-2100, New, \$5.95

AXIAL FANS, 4.7" sq X 1.5" thick; 115 V 60 Hz.

5-BLADE in metal frame; 18 W.
Various mfg. #FN-5U, Used, \$10.95



5-BLADE as above except .11 amp,
#TA450S, Unused, \$16.00

6 Fan Panel



17.3"W X 10.5" panel frame
has six high output Torin
TA450S (or =) 4.6" square
3-blade metal-framed fans.
Each fan rated 65 CFM and
requires 115 VAC 50-60 Hz

0.11 amps; 12 lbs. #6F-PNL, Used-excellent, \$46.00

DC Fans

Mini BOXER 12 VDC FAN, 0.13 amp; 3.6" sq X 1".
#3610NL, New, \$12.00



PANAFLO MINIATURE 12 VDC
FAN 2.3" sq.
#FBP-068-12L, New, \$10.00

AXIAL FAN, 4 3/4" square X 1 1/2" thick; 12VDC
0.5amps 6 watts. 3-BLADE, Unused,
#12B1NDNX, \$15.00

PAPST 18 VDC 2 w / 30 VDC 3 W FAN 9-blades;
3.5" sq X 1" deep. #3124F, New, \$11.00

CENTAUR 24 VDC AXIAL FAN, 11
watts but operates well at 12 VDC.
4.7" sq X 1.5" D metal frame with 5-
blade plastic fan; 2 lbs sh.
#CNDC24K4-601, Unused, \$10.95



SUNON 24 VDC FAN, 6 watts. 4.7" sq x 1.2" deep
plastic frame with 5 blades. Metal guards on each
side. #KDE2412, Unused, \$12.00

Hupp Vehicle Fan



12 VDC HUPP FAN with
oscillating grill designed for
use in cars, trucks, buses,
RV's, etc where "extra" air
movement is desired. Plugs
into vehicle cigarette lighter and mounts on dash-
board or other flat surface. White plastic enclosure
has black grill and pivots on mount to adjust angle.
Includes 4 ft cord and brackets. 5 x 9 x 3.4, 4 lbs.
#HUPP-200-14, New, \$14; 3 for \$35.00

IC Sockets

LOW PROFILE

16 PIN, #ICS-16-LP, 12 for \$1.00
20 PIN, #ICS-20-LP, 10 for \$1.00
22 PIN, #ICS-22-LP, 6 for \$1.00
24 PIN, #ICS-24-LP, 6 for \$1.00

STANDARD

24 PIN, #ICS-24-S, 2 for \$1.00
28 PIN, #ICS-28-S, 2 for \$1.20
40 PIN, #ICS-40-S, \$1.00 each

WIRE WRAP

14 PIN, #ICS-14-WW, 6 for \$2.00
18 PIN, #ICS-18-WW, 5 for \$2.00

Selsyns & Synchronos

CONTROL TRANSFORMER 90/55 V 60 Hz;
3.6"Lx2" dia. 2 lbs. sh. #1HCT-MKII, Used, \$23.00

RECEIVER, 115 VAC 400Hz, #23TR4, used, \$12.00



TACHOMETER GENERATOR,
motor 265 V 400 Hz 2 phase:
generator 18 V 400 Hz
0.3V/1000 RPM. No load speed

10000 RPM. 2 1/8"Lx1" dia 3/16"Lx1/8" dia shaft.
#TACH-SEL-MOD, \$10.00

PHASE SHIFTER, unsymmetrical resolver; rotor 1
phase 5 V 30 Hz. stator 2 phase 5 V 30 Hz. 1.4"
dia x 2"L. #PS-17-E-1, used, \$12.00

AY-1 AUTOSYN as used in I-81/ I-82 indicators;
2 lbs sh. #AY-1, \$9.00

UNITED STATES NAVY SYNCHROS, Description
and Operation, a copy of Publication #OP 1303
printed April 1958; 100+ page primer about sel-
syn/synchro theory and types. #BK-USNS, \$15.00

Compass Indicators

3" DIA 0-360 deg-ree RADIO
COMPASS INDICATOR, adapt-
able for wind direction &
antenna position use; 5
degree increments, 2 lbs ship-
ping. #I-81, Used, \$16.00
Connector for I-81, #CONN-I81, \$10



SPERRY MARINE INDICATOR
MARK XX MOD.2, part of ship-
board gyrocompass repeater.
Has 8" dia 360 degree scale in
1" increments under glass;
uses two Size-5 115 VAC 60
Hz selsyn transmitters. One
drives inner directional indica-
tor; second outer degree scale. With 7 ft cable &
special connector; 10" dia X 8.5"D; 45 lbs sh.
#IN-SPERRY, Unused, \$150.00



12VDC Fans



12VDC DC Fans with sleeve type bearing. New,
1.6"x1.6"x0.48", 3CFM, #BSS12/4LC, \$4.80
2.4"x2.4"x1.0", 11CFM, #BSS12/6LC, \$6.00
3.1"x3.1"x1.0", 15CFM, #BSS12/8LC, \$5.40
3.6"x3.6"x1.0", 22CFM, #BSS12/92LC, \$5.60
4.7"x4.7"x1.0", 44CFM, #BLS12LC, \$11.95

Blowers

Blower from T-368 transmitter. Inlet is 2.2".
Outlet is 1.6" x 1.4". Motor is rated 1/50 Hp; IPH
0.3 amps; 115V 60Hz; 3300 RPM. Needs 4 or 5
MFD Capacitor. 6 lbs sh. #BLO-T368, \$35.00

Blower from Howard
Industries. Inlet is 1.5".
Outlet is 1.3" x 1.2".
Motor is rated .003 HP; 16 watt;
115V 60Hz. 4 lbs sh.
#127S297, \$15.95



MANY ITEMS NOT LISTED - TELL US YOUR NEEDS

AC Motors



A.O. Smith AC Motor 1725
RPM 1/2 HP 115/230 VAC 60 Hz
Single Phase input, 8.7/4.3
Amps. Shaft 2" Lx5/8" dia with
keyway. O/a 11x8x8.5, 14 lbs
sh. #44450, Unused, \$150.00



GENERAL ELECTRIC REVERSIBLE FAN MOTOR, ball-bearing 115 VAC 60 Hz 1 amp 225 RPM motor. Use with fan blades unless cooled by other means. Has mount flanges and 5 mf capacitor; 4.5" Lx5.5" dia + 1.5" L x5/8" dia hollow shaft, 11 lb #5KCP39EGH210, new, \$12.00; 3 / \$20.

BODINE AC GEARHEAD MOTOR 200 RPM 1/7 HP 35 in/lb torque, counter-clockwise rotation; 115 VAC 60 Hz input. Shaft 1.3" Lx 5/8" dia w/ 3/16" square key. O/a 8.5" Lx5.6" dia; 14 lbs sh. #ECCI-35E200, used, \$32.95



Ametek Shop Vac Motor. This is the very high speed motor used in some shop vacuums. Unit as pictured, motor only with small cooling blades. Shaft approx .5 inch long, 5/16 diameter. 5.3x4.6x4.6, 5 lbs sh. #17749-00, Unused, \$12.95; 3 for 22.00



115 V AC-DC MOTOR, starts at 25 VDC, runs CW approx 7000 RPM 1/8 HP. 2.3x3x4.5 + 1.5" Lx0.4" dia spiraled shaft; 3 lbs sh. #AC-DC-H02, \$4.00



240 RPM 115 V 60 Hz GEAR MOTOR for intermittent use; starts @ 32 V approx 200 RPM. Increased volts increases torque. Gearhead extends 2.8" beyond motor; 1.1" Lx1/4" dia shaft. Motor 2.8x2.8x2.4 + 5/8"x3/16" dia shaft for fan on rear, 3 lbs sh. #MOL-2460, unused, \$6.95



PRINTER MOTOR ASSEMBLY, 24 VAC 60 Hz geared to about 4 RPM; can be wired for clockwise or CCW rotation. 2.8x2.5" dia motor on 3.8" sq metal plate; 2#. #MIZ-M0375R, used, \$5.00; 3 for \$12.00

DC Motors



6 to 24VDC Gear Motor by Globe. Rated at 54 RPM at 24VDC; 23 RPM at 12VDC; and 11 RPM at 6VDC. Originally designed for 24VDC. Removed from the AM-3349 amplifier. 1/4" diameter shaft x 3/8" long. O/a 4.2x2x1.6, 3 lbs sh. #5A2871, Used, \$21.95



NORTHFIELD ELECTRIC or HAMILTON BEACH, 28.5VDC, 5800 RPM motor. 4 amp with 1/15 HP. 1/4" dia shaft with removeable gear x 1/2" long.

o/a 4" x 2.3", 3 lbs, #ALC-1000, Used, \$13.95
As above but 1/33HP, 3000RPM, 2.5A, #AWC-1000, \$12

DC MOTOR, operates over 10-15 VDC 100 ma 2375-2425 RPM with governor. Shaft 5/16" L x 1/16" dia; o/a 2.9x1.1. #AST-GK26, \$10



MULTI-SPEED 24 VDC PM MOTOR can be wired for 11500 RPM 0.012 HP 0.7 amp or 3000 RPM 0.033 HP 2.3 amp operation; motor starts to turn at 9 VDC and is reversible. 6"x2.3" dia with 3.6" dia collar; geared shaft 0.6x0.4" dia. 3 lbs. Sperry mfg. #2960031, used, \$10.95



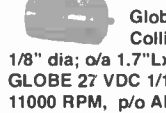
Magnetek Variable Speed 3/4 HP DC Motor. 90 VDC 10 Amps 3450 RPM. Rated for CCW rotation comm end. 11.3 x4.9 dia. 22 lbs #22254200, Unused, \$170

24VDC PM Motor, will run from 6 to 30VDC at approximately 200 RPM per 6V. 5/8" dia. shaft is 2" L one end, 5/8" L on other. 10" L x 3/8" Dia., 16 lbs. #DH-4000-AD7, Used, \$48.00



24-29VDC Motor by Globe Industries. No load ratings 60 RPM and 0.5 amp. Has removable cam on shaft. 1/4" dia. shaft. 5x1.5x1.5, 2 lbs sh. Used, #C5A1054, \$17.95

27VDC 2.4 Amp 3600RPM 1/30 HP Motor by Delco. 6.5x2.9x3, 1/4" diameter shaft. 6 lbs sh. #A7155, Unused, \$5.95



Globe 27 VDC Mini-PM Motor, p/o Collins 618T P-A; splined shaft 1/4" L x 1/8" dia; o/a 1.7" Lx0.9" dia. #41A205, used, \$7.50
GLOBE 27 VDC 1/100 HP MOTORS, 2.5" Lx1.3" DIA 11000 RPM, p/o ARC-45, #C-25A686, used, \$10.00

JOHN OSTER SERIES MOTOR, 27 VDC 1/100 HP 7000 RPM. 3" Lx2" dia + 1" L x 1/4" dia shaft; 2 lbs sh. #C2BP1A. Unused, \$5.00



28VDC 1.1 Amp Motor by John Oster Mfg. 12000 RPM. 1 oz. in. torque. 3/16" diameter shaft. o/a 4.8x2.3x3.3, 3 lbs #BL-2-IS, Used, \$9.50; 3 / \$25

15 degree 4-PHASE VR STEP SERVO, 5 ohms 1.5 A; 28 VDC input pulse 3/4x 1/4" dia shaft; o/a 3x3 1/4x3, 2 lbs. sh. Made in Canada; removed from equipment. #20M34C1, \$12.00



Motor Start/Run Caps



MOTOR START AC ELECTROLYTIC. New not surplus.

110/125 volt
21-25mfd, #MSC125V21, \$2.98
124-149mfd, #MSC125V124, \$3.48
161-193mfd, #MSC125V161, \$3.69
189-227mfd, #MSC125V189, \$3.88
216-259mfd, #MSC125V216, \$4.15
270-324mfd, #MSC125V270, \$4.52
590-708mfd, #MSC125V590, \$7.73

220/250 volt
21-25mfd, #MSC250V21, \$3.69
30-36mfd, #MSC250V30, \$3.91
53-64mfd, #MSC250V53, \$4.83



MOTOR RUN AC METALIZED. New not surplus.

370VAC
2mfd, #MRC370V2, \$5.90
4mfd, #MRC370V4, \$6.46
5mfd, #MRC370V5, \$6.68
7.5mfd, #MRC370V7R5, \$7.41
10mfd, #MRC370V10, \$8.05
15mfd, #MRC370V15, \$13.68
25mfd, #MRC370V25, \$16.38

440VAC
10mfd, #MRC440V10, \$11.99
20mfd, #MRC440V20, \$18.65
25mfd, #MRC440V25, \$20.85

RF Capacitors

Centralab 850- TYPE "doorknob" capacitors, 7.5KV, 0.5" H x0.8" di; Used, \$7.00



#850-(specify pf),
10, 12, 25, 28, 40, 47, 50, 57, 63, 67, 75 pf

1200pf 5KV from Ceramite, epoxy make, same size as above. #CERA-1200, \$7

TYPE 857: 15KV, 40 or 50pf,
#857-(specify pf), \$12.00

50pf 15KV from HEC type HT57, same size & style as Cent. 857, #HT57, \$12

Centralab 858 Doorknob Capacitor 1000pf 5KV. Minor chips but still usable. #858-1000, \$10.00

25pf 5KV from HEC type MT53, axial leads, #MT53, Unused, \$6.00

AC Capacitors

5 mf 220 V 1.8" dia x4.5; cylind. #AC-5-220, \$2.50
7.5 mf 260 V, 2.8x2x1.3, #AC-7.5-260, \$2.50
3.5 mf 330 V 1.3x2.1x2.1; #AC-3.5-330, \$3.00
15 mf 330 V, 2.2x2.9x4; #AC-15-330, \$4.25
2.5 mf 360 V 1.2x2x2.6; #AC-2.5-360, \$3.50
3 mf 370 V 1.3x2x2.7; #AC-3-370, \$3.50
10 mf 370 V, 2.8x3x1.8; #AC-10-370, \$4.50
4 mf 380 V 1.3x2x4; #AC-4-380, \$4.00
7.5 mf 480 V 1.6x2.6x4.6; #AC-7.5-480, \$4.75
21 mf 525 V 1.9x3.5x6.7; #AC-21-525, \$8.00

Transmitting Mica

G-SERIES TRANSMITTING CAPACITORS, used-good or unused as available.

G-1-type, 2.3"H x 2.8" dia; 3 lb \$7.50
KV MFD Part# KV MFD Part#
1.0 0.04 1TM-04 6.0 0.0001 1TM-0001
1.5 0.08 1TM-08 6.0 0.0002 1TM-0002
1.5 0.09 1TM-09 6.0 0.00024 1TM-00024
1.5 0.039 1TM-039 6.0 0.003 1TM-003

G2, 3.5"Hx3" dia, \$12.00
KV MFD Part#
20.0 0.00005 2TM-00005

G3, 4"H x5" dia, \$18.00
KV MFD Part# KV MFD Part#
20.0 0.00015 3TM-00015 10.0 0.00015 3TM-00015



G4, 5.5"Hx 5" dia. 8 lbs. \$32.00
KV MFD Part#
4.0 0.084 4TM-084

Brown Mica

JAN CM-size 1.8" x1.6". Used, \$1.50:

MFD	VVDC	CM	Part #
.02	600	55	BM-02
.033	600	55	BM-033
.005	1200	55	BM-005

CM	MFD	VVDC	Part #	Price
55	.0003	1200	BM55-0003,	\$3.00
65	.0062	2500	BM65-0062,	\$4.00

F1L-size MICA, 2.8x1.5x1:

MFD	VVDC	Part #	Price
0.006	2500	BM1-006	\$4.75
0.0001	3000	BM1-0001	\$4.75
0.0007	3000	BM1-0007	\$4.75

F3L 0.007mf 500VAC, #BM3-007, \$8.75

CHECK OUT OUR LATEST FEATURE ITEMS AT FAIRRADIO.COM

Electrolytic Axial

All the Electrolytic Capacitors listed below are axial lead and are new unless otherwise mentioned.



Less than 50 volts

mfd	part #	price	4-9	10+
50mf	16V ELE-50-16	4/\$1.00	\$0.25	\$0.23
100mf	16V PC Mt, #ELE-100-16	4/\$1.00		
6800	ELE-6800-16	2/\$0.70	\$0.25	\$0.23
5mf	35V ELE-5-35	2/\$0.70	\$0.25	\$0.23

50 volts

mfd	part #	price	4-9	10+
1	NEH1.0M50AA	3/\$1.20	\$0.39	\$0.34
2.2	NEH2.2M50AA	3/\$1.20	\$0.39	\$0.34
4.7	NEH4.7M50AA	3/\$1.20	\$0.39	\$0.34
10	NEH10M50BA	3/\$1.30	\$0.42	\$0.37
22	NEH22M50BB	2/\$1.20	\$0.58	\$0.54
33	NEH33M50CB	2/\$1.30	\$0.62	\$0.58
47	NEH47M50CB	2/\$1.45	\$0.70	\$0.66
100	NEH100M50CC	\$1.00	\$0.97	\$0.90
150	NEH150M50	\$1.29	\$1.25	\$1.18
220	NEH220M50DD	\$1.29	\$1.25	\$1.18
470	NEH470M50EE	\$1.69	\$1.64	\$1.56
1000	NEH1000M50FF	\$2.62	\$2.55	\$2.41
2200	NEH2200M50FG	\$4.84	\$4.71	\$4.45
4700	NEH4700M50JB	\$8.48	\$8.25	\$7.81

63 volts

mfd	part #	price	4-9	10+
1500	ELE-1500-63	2/\$1.20	\$0.55	\$0.50

160 volts

mfd	part #	price	4-9	10+
10	C-ET10-160	\$1.12	\$1.07	\$0.99
22	C-ET22-160	\$1.52	\$1.47	\$1.38
47	C-ET47-160	\$2.05	\$1.98	\$1.84
100	C-ET100-160	\$2.24	\$2.15	\$1.99
220	C-ET220-160	\$2.62	\$2.52	\$2.35

200 volts

mfd	part #	price	4-9	10+
1	ELE-1-200	2/\$1.20	\$0.55	\$0.50

350 volts

mfd	part #	price	4-9	10+
10	MB-10-350	\$1.20	\$1.13	\$1.00
22	MB-22-350	\$1.80	\$1.70	\$1.50
33	MB-33-350	\$2.59	\$2.39	\$2.19
47	MB-47-350	\$2.60	\$2.40	\$2.20
100	C-ET100-350	\$4.18	\$4.02	\$3.74
220	MB-220-350	\$4.19	\$4.03	\$3.75

450 volts

mfd	part #	price	4-9	10+
10	MB-10-450	\$1.27	\$1.19	\$1.10
22	MB-22-450	\$2.70	\$2.50	\$2.30
47	MB-47-450	\$2.95	\$2.75	\$2.50
47mf	450V PC Mt, #E-47-450, \$2 ea;	10/\$10		
100	C-ET100-450	\$6.18	\$5.99	\$5.53
150mf	450V Snap Mt, #ELE-150-450,	\$3.00		

Computer Grade

MFD	Volts	Size	Part#	Price
23,000	7	5.5x1.5	CGC-7	\$1.00
90,000	10	6x3	CGC-10	\$1.50
175,000	15	5.5x3	CGC-15	\$2.00
18,000	19	4.5x1.5	CGC-19	\$2.50
72,000	25	6x3	CGC-25	\$3.00
110,000	25	5.5x3	CGC-110000	\$3.50
25,000	35	4x2.5	CGC-35	\$2.50
6100	40	5.8x1.3	CGC-40	\$2.50
9500	40	3x2.5	CGC-9500	\$3.00
80,000	40	5.5x3	CGC-80000	\$3.75
4900	50	3.5x1.5	CGC-50	\$2.50
15,000	50	4x2.5	CGC-15000	\$3.50
3500	55	4x3	CGC-55	\$1.75
1400	150	4x1.75	CGC-150	\$6.00
1000	200	3.4x1.75	CGC-1000	\$10.00
770	200	4.7x1.3	CGC-200	\$16.00
6000	250	4.5x1.5	CGC-250	\$18.00
1500	350	4.5x2.5	CGC-350	\$23.00

Buy 5 or more one type - take 20% off

CLAMP for computer grades:

2" diameter, #CL-2, 3 for \$2.50
2.5" diameter, #CL-2.5, 3 for \$2.75

Orange Coating

All the Xicon Polypropylene (Orange Coating type) Capacitors listed below are in new condition.

MFD	Part#	Price	4-9 pcs	10&up
.001	OMB001	2/\$1.00	\$0.45	\$0.39
.0022	OMB0022	2/\$1.00	\$0.45	\$0.39
.0047	OMB0047	2/\$1.00	\$0.45	\$0.39
.0056	OMB0056	2/\$1.00	\$0.45	\$0.39
.0068	OMB0068	2/\$1.00	\$0.45	\$0.39
.0082	OMB0082	2/\$1.00	\$0.45	\$0.39
.01	OMB01	2/\$1.00	\$0.45	\$0.39
.022	OMB022	2/\$1.00	\$0.45	\$0.39
.033	OMB033	2/\$1.00	\$0.45	\$0.39
.047	OMB047	2/\$1.50	\$0.69	\$0.59
.056	OMB056	2/\$1.50	\$0.69	\$0.59
.068	OMB068	2/\$1.50	\$0.69	\$0.59
.082	OMB082	2/\$1.50	\$0.69	\$0.59
.1	OMB1	2/\$1.50	\$0.69	\$0.59
.22	OMB2	\$1.00	\$0.95	\$0.85
.47	OMB47	\$1.95	\$1.75	\$1.50
1.0	OMB1MFD	\$1.96	\$1.76	\$1.51

0.33mf 100V orange drop, #OR-33, 2/1
0.68mf 100V orange drop, #OR-68, \$0.95

1KV Disc Capacitors

Part#	Price	10-24	25+
3.3pf 9003D3	5/\$0.99	\$0.18	\$0.16
5.0pf 9005D0	5/\$0.99	\$0.18	\$0.16
10pf 90010	5/\$0.99	\$0.18	\$0.16
20pf 90020	5/\$0.99	\$0.18	\$0.16
47pf 90047	5/\$0.99	\$0.18	\$0.16
68pf 90068	5/\$0.99	\$0.18	\$0.16
100pf DSC-100	7/\$1.00	100/\$9.00	
120pf 90112	5/\$0.99	\$0.18	\$0.16
220pf 90122	5/\$0.99	\$0.18	\$0.16
330pf 90133	5/\$0.99	\$0.18	\$0.16
470pf 90147	5/\$0.99	\$0.18	\$0.13
680pf 90168	5/\$0.99	\$0.18	\$0.13
820pf 90182	5/\$0.99	\$0.18	\$0.16
1000pf 90210	3/\$0.99	\$0.29	\$0.19
2200pf 90222	3/\$0.99	\$0.29	\$0.24
4700pf 90247	3/\$0.99	\$0.29	\$0.19
7500pf 90275	3/\$0.99	\$0.29	\$0.24
0.01µf 90310	3/\$0.99	\$0.29	\$0.19
0.050µf 90350	\$0.99	\$0.94	\$0.88
0.10µf 90410	\$1.29	\$1.22	\$1.14

90pf 3KV Disc Capacitor, 8 for \$2.00

90pf 5KV Disc Capacitor, 7 for \$2.00

180pf 5KV Disc Capacitor, 7 for \$2.00

250pf 3KV Disc Capacitor, 8 for \$2.00

1500pf 10KV Giant Disc Capacitor,

\$3.50; 4 for \$10.00

0.1mfd 25V Disc Capacitor, 10 for \$2.

Multi-Section Caps

The Multi-Section Capacitors listed below are unused by various mfg. To see a further listing of multi-section caps go to fairradio.com

300-100-80MFD at 150-150-150 Volts

2.5X1.3 #MULT-300, \$7.75

75-75MFD at 300-300 Volts 2.5X1.3

#MULT-75, \$8.25

Feed-Thru Suppression Caps,

ERIE 1202 1000 pf 1KV. Used,

#1202-1000, 3/\$2.75

Metalized Polyester

All the 630V Metalized Polyester Tubular Capacitors listed below are new.

MFD	Part #	Price	4-9 pcs	10&up
.001	YMB001	2/\$1.50	\$0.69	\$0.59
.0022	YMB0022	2/\$1.50	\$0.69	\$0.59
.0033	PY0033	2/\$1.50	\$0.69	\$0.59
.0047	YMB0047	2/\$1.50	\$0.69	\$0.59
.0056	YMB0056	2/\$1.50	\$0.69	\$0.59
.0068	YMB0068	2/\$1.50	\$0.69	\$0.59
.01	YMB01	2/\$1.70	\$0.79	\$0.69
.022	YMB022	2/\$1.70	\$0.79	\$0.69
.033	YMB033	2/\$1.70	\$0.79	\$0.69
.047	YMB047	2/\$1.70	\$0.79	\$0.69
.056	YMB056	2/\$1.70	\$0.79	\$0.69
.068	YMB068	2/\$1.70	\$0.79	\$0.69
.1	YMB1	\$1.25	\$1.15	\$1.05
.22	YMB22	\$1.25	\$1.15	\$1.05
.47	YMB47	\$1.25	\$1.15	\$1.05
.68	PY68	\$1.95	\$1.80	\$1.60
1.0	YMB1MFD	\$1.96	\$1.81	\$1.61

Mylar

The MLR series is a range of radial lead non-polarized polyester film (Mylar) capacitors dipped in a hard epoxy coating material to provide excellent protection against moisture. These devices are intended for general purpose DC applications.

mfd	part #	price	4-9	10+
.0022	MLR222K100	3/\$1.00	\$0.29	\$0.22
.0047	MLR472K100	3/\$1.00	\$0.29	\$0.22
.01	MLR103K100	3/\$1.00	\$0.29	\$0.22
.022	MLR223K100	3/\$1.00	\$0.29	\$0.22
.047	MLR473K100	3/\$1.19	\$0.36	\$0.29
.1	MLR104K100	2/\$1.00	\$0.46	\$0.39
.22	MLR224K100	2/\$1.39	\$0.65	\$0.59
.33	MLR334K100	\$0.99	\$0.89	\$0.76
.47	MLR474K100	\$1.05	\$0.99	\$0.92

mfd	part #	price	4-9	10+
.001	MLR102K630	2/\$1.19	\$0.56	\$0.52
.01	MLR103K630	2/\$1.00	\$0.46	\$0.39
.022	MLR223K630	2/\$1.00	\$0.46	\$0.39
.047	MLR473K630	2/\$1.19	\$0.55	\$0.49
.1	MLR104K630	2/\$1.39	\$0.65	\$0.59
.47	MLR474K630	\$1.99	\$1.89	\$1.79

HV Capacitors

HV Axial Capacitor

0.01 mfd 10,000 volts Made by Dearborn. 5/8" diameter x 2 1/4", #430P, New, \$4. each; 3 / \$10.00

0.1mfd 3500VDC. Single terminal (Case Ground). Made by Aerovox. 4.2 x 1.3, #3514D, Unused, \$4.00

Energy Storage Capacitors Non-PCB, 88MF 1.2KVDC, w/ minor dents 10"Hx 4.5" Wx3.5"D, #HVC-88, 11 lbs Used, \$22.00

5MFD 1KVDC, 6"Hx2.8"Wx1.5"D, Unused, #HVC-5, \$7.50

0.4 MFD 100,000 VDC Capacitor, A HV experimenter's dream! 41" long x 8.7" dia. 0.4 MF 100,000 VDC capacitor removed from an exotic government project! Non PCB. 1.4" L x .5" dia #18 stud ends, 97 lbs sh. #100MV04, \$350.

Vacuum Capacitors

All Vacuum Variables listed below are 10-1000pf at

5KV and have 1/2" dia. shafts. Overall size 7.5" long x 2.8" diameter. Used high pot tested. 5 lbs sh. Energy Lab, Ceramic, #EL5-1000-5,\$210
Amperex, Ceramic, #CVC10/1K-5KV,\$230

Ceramic Vacuum Variable Capacitors. Each capacitor has a 3/8" dia. shaft with removable pin. Used.

300pf at 10KV, 3 5/8"D x 8 1/2"H, 7 lbs sh.

#CVD-300-10, \$275.00

200pf at 10KV, 3 5/8"D x 8 1/2"H, 7 lbs. #CVD-200-10, \$275.00

500pf at 15KV, 3 1/4"D x 7 1/2"H, 1/2" dia. shaft. 7 lbs. #CVD-500-15N613, \$360.00

1500pf at 10KV, 5.5"D x 9"H, 1/2" dia shaft, 14 lbs, #CVD-1500-10, \$475.00
As above but 2300pf #CVD-2300-10,\$550

3.5-7 pf 35 KV 4.3"Lx3" dia, 5 lbs sh. UNUSED, #CVA-7-5, \$85.00

FIXED VACUUM CAPACITORS

various mfg; used:
3pf 25 KV cer. ;3.3Lx0.8, #CY-3-25, \$14
25pf 10 KV, 2.6Lx1.5, #JCS-2A-10, \$18
12pf 20KV; 6.5Lx2.8, #VC-12-20, \$17
12pf 30KV; 6.5Lx2.2, #CLF1-12-0030, \$27

Air Variable

5 Gang Air Variable Capacitor covering 20 to 425pf per gang with a .02" air gap. Has a 3/8" diameter shaft x 1/4" long. Overall 6.4x 3.2x2.8, 4 lbs sh. #5G-425, \$19.00

Same ratings as above

Potentiometers

2 ohm Potentiometer. Around 2 watts. Unused, #83-4072, \$3.00

10-TURN PRECISION POTS, 1/4" dia shafts. 100 ohm 2.8"Hx1.8" dia. #A-R100-L25,\$8

250 Ohm at 4 watts Linear Resistance Wirewound Potentiometer by Clarostat. 1/4" shaft with screwdriver adjust. #RA30, Unused, \$1.75



Grimes Four Section Potentiometer with knob. 1 K ohm at 2 watt per section. #A-4627, Unused, \$3.50

5 Kohm pot. with switch by PEC. 1/4" dia. shaft. #344832, Unused, \$3.50

5K ohm Potentiometer with a 2 amp 250V Switch. Unused, #344832, \$3.50

7.5K ohm Pot with 3 amp 125V Switch. Unused, #SM-B-180861, \$3.75

Air Variable

25 to 570pf Air Variable Capacitor from 180S1 100 watt Antenna Tuner. Air gap 0.045" spacing. From 180S1. Made by Cardwell. 1/4" diameter shaft. 8.4x2.6x2.3, #C102/180S1, \$59.50



Tuning Capacitor Assembly for RT-66-67-68 transmitters. 6 sections; four 8-64pf, two 8-55pf. Also six 4-23pf trimmers. Dual geared 3/8" diameter shafts; 4.8x4.8x3, 3 lbs sh. #3D9067E6, Unused, \$10.00

--- FM Tuner ---

H-K FM Tuner with AM capacitors, one FET/two transistor oscillator; requires -12V. Shaft 1" L x 1/4" diameter; o/a 3.5x2.3x2.8, 2 lbs sh. Mfg by Alps. #FB113U13, Unused, \$7.95



-- TRIMMER CAPACITORS --

with screwdriver adjust shafts:
#C2-8, 2-8pf, 3 / \$2.00
#C4-11, 4-11pf, 3 / \$2.00
#C653/R174, 2-11pf, 3 / \$2.00
#C2-16, 2-15.7pf, 3 / \$2.50
#C103/382, 4-23pf, 3 / \$2.75
#C5-25, 5-25pf, NPO 3 / \$3.00

Sub-mini Piston Trimmer Cap 1.5-4.0pf 500V. By JMC mfg. #7666, Unused, \$6

TRIM CAPACITORS. Screwdriver adjust. These dielectric film trimmers are used on PCBs, e.g. in radios. Suitable for industrial equipment thanks to their good stability. Rated for 250 volts. New, \$2.29 each.

PF	Dia	Temp. Max.	Part #
5.5-65	0.39"	158F	#TRIM65P
5.5-80	0.39"	185F	#TRIM80P

ALPS 10K ohm potentiometer with a pull on / push off DPST switch. 1/4" diameter shaft. Probably good up to 1/2 watt. Used, #N-800, \$3.50; 4 / \$12

10K ohm Screw Driver Adjust Trim Pot. #90H-103, Unused, \$2

ALPS or = with switch; 5/8" dia + term. Shaft 1/4" dia. \$1.25 each: #POT-10K, 10Kohm; #POT-50K, 50Kohm #POT-100K, 100K ohm

20K ohm Precision Wire Wound General Radio Style Potentiometer. Wattage unknown. Unused, #353-5235, \$5.

25K ohm Variable Resistor / Potentiometer. Wattage unknown. 3/8" dia. shaft. Unused, #3RA8101, \$7.50

100K ohm Potentiometer. Around 1/2 watts. Unused, #CTS-238, \$2.75

2 Mega Ohm at 2 watts Potentiometer by Ohmite. 1/4" shaft. #CU-2052, Unused, \$2.50

Precision Resistors

DALE (or =) POWER RESISTORS metal-type:

Ohms	Watts	Tol.	Part#	Price
1.96	30	1%	PR-1.96	\$2.50
12	100	5%	PR-12	\$4.00
50	20	3%	PR-50	\$1.50
100	20	1%	PR-100	\$1.50
1370	50	1%	PR-1370	\$3.25

All the resistors below are 3 / \$1.25

Ohms	Watts	Tol.	Part#	Price
1.5	3.0	5%	PR-1.5	
5	0.33	1%	PR-5	
90	0.50	1%	PR-90	
600	0.25	1%	PR-600	
58K	0.50	1%	PR-58K	
1.04M	0.33	1%	PR-1.04M	

Ohms	Watts	Tol.	Part#	Price
0.33	3	1%	PR-0.33	2/\$1.25
3000	2	1%	PR-3000	2/\$1.25
902K	2	1%	PR-902K	3/\$3.00

Rheostats

First set of numbers after RHEO-prefix is wattage; your choice of ohms is second set. SCD= screwdriver adjust type. Style varies; USED or UNUSED:

#RHEO-25W-(ohms), \$2.50 ea
2, 6-scd, 7, 60, 200,
350-SCD, 400, 450, 500,

#RHEO-D25W-250, Dual 250 ohm, \$4.00

#RHEO-D25W-500, Dual 500 ohm, \$4.00

#RHEO-50W-(ohms), \$3.50 ea

0.5, 4, 5, 8, 15, 18, 22, 100, 200, 225, 300, 350, 375, 600

#RHEO-D50W-16, Dual 16 ohm, \$5.00

#RHEO-D50W-35, Dual 35 ohm, \$5.00

#RHEO-150W-2, 2 ohm, \$4.75

#RHEO-225W-3, 3 ohm, \$5.25

#RHEO-300W-50, 50 ohm, 3 lbs. \$10

Resistors

1/2 Watt to 2 Watt Metal Resistors

1/2 WATT		1 WATT		2 WATT	
Ohms	Part#	Ohms	Part#	Ohms	Part#
6 for \$1.00		5 for \$1.00		5 for \$1.00	
1 HW100		1 1W100		1 2W100	
10 HW010		10 1W010		10 2W010	
47 HW047		100 1W100		18 2W018	
100 HW100		100 1W100		10 2W010	
120 HW112		100 1W112		18 2W018	
220 HW122		180 1W118		47 2W047	
470 HW147		300 1W130		100 2W100	
1K HW210		510 1W151		1K 2W210	
2.2K HW222		1K 1W210		2.2K 2W222	
4.7K HW247		3.3K 1W233		3.9K 2W239	
10K HW310		10K 1W310		10K 2W310	
47K HW347		470K 1W447		100K 2W410	
100K HW410					
240K HW424					
1M HW510					

POWER WIREWOUND

5 WATT		10 WATT		25 WATT	
Ohms	Part#	Ohms	Part#	Ohms	Part#
3 for \$1.00		up to 1K ohm		2 for \$1.59	
0.1 5W010		3 for \$1.15		1.0 25W100	
0.22 5W022		1.0 10W100		2.0 25W200	
0.33 5W033		2.0 10W200		2.0 25W200	
0.47 5W047		2.7 10W202		2.7 25W207	
1.0 5W100		3.3 10W303		3.9 25W309	
2.2 5W202		3.9 10W309		5.1 25W501	
3.3 5W303		5.1 10W501		5.1 25W501	
4.7 5W407		6.8 10W608		6.8 25W608	
5 5W500		8.2 10W802		8.2 25W802	
7.5 5W705		10 10W100		10 25W100	
10 5W010		15 10W150		15 25W015	
22 5W022		22 10W222		15 25W015	
39 5W039		27 10W270		20 25W020	
47 5W047		47 10W470		27 25W027	
100 5W100		100 10W100		27 25W027	
330 5W133		150 10W150		47 25W047	
1K 5W210		150 10W150		75 25W075	
4.7K 5W247		100 10W115		100 25W100	
6.8K 5W268		1K 10W210		150 25W150	
10K 5W310				220 25W222	

Ohms	Watts	Part#	Price
1	50	RS-1	\$1.25
1.5	3	RS-1.5	5/\$1.25
1.67	35 flat	RS-1.67	3/\$2.50
10	31 Dale	RS-10	2/\$1.25
15	95 Dale	RS-15	\$1.25
22	53 Dale	RS-22	3/\$3.00
160	20	RS-160	5/\$2.50
200	100	RS-200	\$1.20
250	100	RS-250	\$1.35
2000	43	RS-2000	3/\$2.50
3000	68	RS-3000	\$1.25
7100	145	RS-7100	\$2.50
40M	2.5"L x .6"D	RS-40M	\$6.00
80M	6.5"L x .6"D	RS-80M	\$8.00

Cableform Products 30 Megohm resistor. CJC, 30Kv, Ferrule connections. 30 watts, size 10.5 x 1 1/8
#Cableform-30M \$29.00

DALE 70 WATT 5% 6- RESISTOR BANK, two ea 4 & 7 ohm. one ea 6 & 8 ohm; 6"L x 3" H. #R6X70W, \$5.25

-- SLIDE RESISTORS --

with variable slide adjust:

Ohms	Watts	Part#	Price
4 25 W + 4 fixed		SR-4	3/\$2.75
15	50	SR-15	\$1.75
16	225	SR-16	\$8.50
20	25	SR-20	\$1.25
50	160	SR-50	\$3.00
100	150	SR-100	\$3.00
500	160	SR-500	\$3.25

Cases & Enclosures

ideal enclosures for your next project! All items below are black aluminum chassis with dark grey front panels. The top and bottom of each of the units are heatsinked with 1/10" fins. The overall dimension of each unit is 9 5/8" deep x 5" tall. All enclosures have multiple 1/4" diameter holes on the front plate. They differ according to width. Used excellent.

1 15/16" Wide, 3 lbs sh, #ENC-4-2, \$9.00
4 1/8" Wide, 4 lbs sh, #ENC-10-4, \$15.50

Cast aluminum boxes for those RF and other projects where an inexpensive sturdy box is needed. Boxes have various late 1970's transistors and components and circuit boards. Used.

Cast aluminum box. 7.5 x 2.625 x 7.5 has sheet aluminum side panels and male DB9 connector. 2 lbs sh. #BOX68429, \$6.00

Similar to above but has 5 internal compartments separated by cast walls. Four sections each 13/16 x 4 1/8 x 1 1/16 and one section 2 13/16 x 2 3/16 x 1 5/16. 2 lbs. #BOX295C, \$7

Medium cast box 6 1/2 x 4 1/4 x 1 1/2 with provision for mounting circuit board at approx 3/4 inch depth. Two sheet aluminum covers. 3 lbs sh. #BOX641, \$10.00

INSTRUMENT CABINET for HP-test set; adapt to other uses. 7.6"H x 19"Wx9"D + 4"D cover less 1" overlap; three 6"Hx5"W compartments; w/fastners & strap; 17 lbs sh. #CS-HP3550, used, \$32.00

Steel Ammo Box, ideal for your tools. Inner Dimensions are 3.4 x 10 x 6.5. Hasp fastener on one side and hinged on the other. With rust. Carrying handle. 6 lbs sh. #ENC-AMMO, Used, \$6.00; 6 for \$22.00

Low profile cast aluminum enclosure. Removeable top. Has some small holes. 5.8x2.5x1.6, 2 lbs sh. #LP-1 used, \$6.95

15 Degree Slope Enclosure. The base is 18 ga. steel for extra strength. Easy to machine - aluminum top panels are 0.064" thick aluminum. Back is also aluminum. Sides pre-assembled with a two tone grey powder paint finish (base is dark satin grey, slope top is smooth light grey). Comes with four self adhesive rubber feet and required hardware. Hammond Mfg. New, 4.5" W x 6" D x 2.1" Rear Ht x 1.1" Front Ht, 3 lbs sh. #515-0910, \$20.24
7.4" W x 6" D x 3.8" Rear Ht x 2.8" Front Ht, 5 lbs sh. #515-0940, \$23.87
11.7" W x 7.7" D x 2.1" Rear Ht x 1.2" Front Ht, 5 lbs sh. #515-0950, \$29.16

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Enclosures



ALUMINUM SEALED DIE-CAST ENCLOSURE. These enclosures provide effective EMI- and RFI-shielding. The mounting holes and the screws for the lid are outside the sealed area, which prevents moisture and dust from entering the enclosure. New. 2.5" x 2.3" x 1.4", #G104, \$9.20
4.5" x 2.6" x 1.2", #G106, \$12.00
6.7" x 4.8" x 2.2", #G1201, \$29.95
8.7" x 5.7" x 2.2", #G124, \$29.99

Molded Plastic in high-impact ABS, fire-retardant - dark gray. These cases in molded plastic have a two-piece design with a tongue and groove joint



between the top and bottom half. Non-scratch surface with a high-quality finish. Guide slots are provided for vertical PCB mounting and slots make horizontal PCB mounting possible. New. 3.5" x 2.0" x 0.9", #G403, \$4.00
3.5" x 2.0" x 1.3", #G404, \$3.40
4.7" x 2.4" x 1.2", #G407, \$6.40
4.7" x 2.4" x 1.6", #G410, \$7.00
5.9" x 3.1" x 1.8", #G416, \$10.60
7.5" x 3.9" x 2.4", #G421, \$13.80



This plastic utility box is molded in impact-resistant ABS and has card guides spaced at intervals of 7.9" to

allow flexibility in the spacing of the components or the creation of compartments. Guides will accept cards with a max. thickness of 0.06". New. 3.7" x 1.9" x 1.5", #G1068, \$3.40
5.3" x 3.0" x 2.0", #G1098, \$3.40

These enclosures consist of high-impact ABS (operating temperature: -40°F to +212°F). The lid and the base equipped with a tongue and groove sealing system with a neoprene gasket. The mounting holes and the attaching screws are outside the seals, which prevents moisture and dust from entering the enclosure. Internal guide slots allow the vertical mounting of PCB assemblies. The guides on the internal base allow the horizontal mounting of PCBs. New. 2.5" x 2.3" x 1.4", #G302, \$5.20
4.5" x 2.6" x 1.6", #G304, \$8.60
6.7" x 4.8" x 2.2", #G313, \$13.80
10.4" x 7.3" x 4.0", #G378, \$29.98



Aluminum Enclosure by Motorola with 13.5" W x 5.1" H front panel. Ventilation holes

on bottom. Adjustable handle. Less back cover. Overall 10.3" D x 16.3" W x 6" H, 10 lbs sh. Excellent Condition, #TDMA-1000, \$44.50

Equipment Glides

Military quality for rack mounting;



2"W x 16.5"L; chassis slides have 19" travel. Load rating approximately 100 lbs; 6 lbs sh. #GL-1621, used, \$15.00 per pair

Window Enclosure



Weather Resistant Enclosure with Window, Great for your outdoor control / monitoring of solar cells, antenna controls, control center for your garden watering system. Cover is hinged & gasketed for weather resistance. O.D.

15.5" x 13.4" x 6.5"; I.D. 13.9 x 11.9 x 5.9; Window 9.4 x 6. The window allows you to monitor your circuit if you put readouts behind the window. Made of fiberglass reinforced polyester, Non-metallic. Color - machine gray. Long piano hinge, looks like stainless steel. Stahl Industrial. 10 lbs sh. #23541412, Unused in box, \$49.50

Crystals

JK02 Ovens for CR-26 xtal. 6 - 24 VAC / DC; plug into octal socket. Less xtal; Used, #251B1001 for one xtal, \$2.75
#251B1003 for two xtal, \$3.25



Baker's Dozen

Crystal Socket Assembly, 13 ceramic crystal sockets CR-23 style mounted on an aluminum strip. 9"L x 1.2"W x 0.9"H, 2 lbs sh. #CR-23-13, \$7.50

200KHz Crystal CR-2 case. Dimensions w/ pins 1 1/2" x 1 1/16" x 7/16". #CR-2, \$7



200KHz Crystal CR-2D case. Dimensions with pins 1 1/16" x 11/16" x 1/4". #CR-2D, \$6.95

Insulators

Stand-off insulators crows feet type. Brass plated bases and terminals: D= Diameter H=Height M=Mount base holes' center distance ST=Screw terminals CT=Clamp terminals



#B-H3-D1.25-ST3, brown ceramic; M=2.25". Term. cap: 7/8x1 5/8" dia; 2 lbs. \$3.25

#W-H5-D1.25-ST, white; M=2.625". Term cap: 3/8x1 1/4" dia. 3 lb \$4.25

#B-H5-D1.25-CT, white; M=2.25". Term cap: 1x1 5/8" dia. 3 lb \$4.50

#B-H7-D1.25-ST, brown, M=2.6", Term cap 1x1 3/4" dia; 3 lbs. \$5.50

Quantity Discounts on above!
10-25 ea (1-type) 20% off;
25% (26-99), 30% (100)

STAND-OFF with CLIP for clip-in resistors or capacitors. 1"H x 0.8" square insulator with clip for 0.5" dia cap, #NS4W1208, \$2

--- Strain Insulators ---

Brown porcelain insulator 8.5"Lx1.8"H x 1"D with reinforced 0.5" dia hole on ends; 3lbs. #SPI-85181, \$2.39; 2/\$3.50

Brown Egg-Type Porcelain Strain Insulator, 1.3"L x 1"x1" with two 1/4" di holes. Unused, #INS-EGG, \$2.00

Insulators



Insulator, 1 1/2" H x 1" Diameter. Has a 1/4" - 20 thread on each end. #NL522W04, \$1.50

INSULATOR POST for mounting capacitors, coils, etc. 1.7"Hx3/8" sq porcelain; 1/8" di thru-hole near top; base threaded for chassis screw. #IP-1706, \$1.25

2"Hx1" square; two 6/32 threads top and bottom. #NL523W14, \$2.50

MP-48A INSULATOR for WW-2 vehicular spring antenna base; 3.6"Lx2.6" dia, 4 lb. #INS-48A, \$18.00

COLLAR for MP-48A, fits bottom of base, #COLL-48A, \$3.00

Phenolic Insulator from MP-48, #IN-118, \$8.50

PORCELAIN STAND-OFFS, no bases but screw threaded:

#P-4H-75D 4"Hx 0.75" dia; 8-24 threader. \$1.25 ea; 2 / \$2.25
#P-7H-100D 6.8"Hx 1" dia; 10-24 threader. \$2.00 ea;

Large porcelain thru panel insulator. 9/16" diameter center hole. Has 6 threaded mounting holes on outer lip. Overall size is 5 1/4"Dia x 2 3/4"H. No Hardware. #INS-6, Used, \$12

Coil Forms

Small Ceramic Coil Form consists of 35 grooves in a 1.7" space. o/a 3.1"Hx1.1" dia. #CF-5, \$3.00

Small Ceramic Coil Form consists of 10 grooves in a 0.5" space. o/a 1.7"Hx1" dia #CF-1, \$2.50

3 pin Plastic Coil Form which fits BC-611. o/a 0.9" dia. x 1.9"H, #CF-3, 2/\$1.25

Coil Form Assortment has: porcelain inductor core 1 7/8" tall 1 1/8" base has 4 mounting holes. The winding core has 41 grooves for wire 10 holes on flat edge. 3 small porcelain cores with 3 wire grooves. The base has a 6/32 threaded hole. #IND-K1, \$3.25

Inductors & Coils

#C-447 coil for BC-610 xmitter 4.5"L x 4.5" dia; 3 lbs sh. Unused, \$14.

1.25MHy RF choke with ceramic post mount, Overall 2.7" L. #L-RF1.25, \$3.50

400UHy RF choke axial lead, #L-RF400, \$1.55; 5 for \$5.50

TELEPHONE PICK UP COIL p/o modem coupler; no info. 5/8x1.8" dia. #403-4, \$1.25

Inductors & Coils



ROLLER INDUCTOR ASSEMBLY with 115 VAC 400 Hz motor drive, 3.4" lg x 1.75 dia coil; 28 turns #18 wire

approx 14 uH with center tap. Designed to resonate antenna to a transceiver's frequency. 4.5x2.8x3.8, 5 lb used #T301/CU-991, \$8.50

ANTENNA LOAD ASSEMBLY from AM-3349/GRC-106, includes C26 1000pf at 5KV vacuum variable capacitor, C27 15-355pf air capacitor, 26 1000pf feed-thru caps, L1 0.5 to 40UH variable inductor, L2 37UH fixed inductor, S1 2-deck 5-position ceramic switch and two Globe or = 24 VDC motors. 5.5 x 9.5 x 5.5, 10 lbs shipping. #3349-02, Used, \$280.00



L5 ROLLER INDUCTOR, 26 turns #18 silvered wire 2"Lx1.1" dia coil: 8.4 uH max. 115 V

400 Hz motor drive like above; runs on 26V 60 hz. Adaptable to direct drive. O/a 6x3x4.75, 3 lb #L5/ARC-58, \$15.00

ROLLER INDUCTOR

KITS includes 4.4"L x 1.5" dia ceramic coil with 40 turns #14 silvered-wire, roller wheel, guide shaft & springs. 3/8" dia shafts have removable pinned gear. End support plates not supplied; 3lbs sh. #L22-PRC-47, 22 uH, \$18.00
#L35-PRC47, 35 uH w/ part slug core \$17
#L40-PRC47, 40 uH w/ full slug core \$17

15 uHy Roller Inductor from 180S1 100 watt Antenna Tuner. 3.8" long x 2" diameter coil. Looks like 18 gauge wire. 24 turns.

Ceramic end plates. 1/4" diameter shaft. 8.6x3x5.2, #L101/180S1, \$59.50

RF MASTER OSC COILS: pull out of T-22 / ARC-5 7-9 MHz xmitter; #T53/6032, \$4.75

Ceramic 2" Hx1.6" diameter base. #L101/ART13, \$4.75
+++++
FERRITE CORE INDUCTOR PC mount; 7/8x 3/4" dia. #NV243, 123-177 mH, \$2.00

Small Inductor, 1.5 mH, 1 ADC, 5V, 12KHz, .5 ohm DCR, PC mount. #80063, \$2.30; 3 / \$6.00

Inductors

The PI Wound Inductors listed below are enamel coated. The 2nd number in the part number designates the number of sections.

Part #	L x Dia	uHy	L- ma	Price	10 pcs
P3FE-1200	.90-.32	1200	50	\$5.00	\$30
P3PE-500	.50-.30	500	50	\$5.00	\$30
P2PE-675	.75-.45	675	200	\$5.00	\$30
P3FS-5800	.90-.50	5800	200	\$3.00	\$15
P3FE-12000	1.00-.42	12000	200	\$5.00	\$30

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Inductors

First letter in part number is the Style: M - Multilayer; S - Single layer; P - PI wound / number of sections;
 Second letter in part number is the Material: P - Phenolic; F - Ferrite;
 Third letter in part number is the Coating: C - Coated; S - Shrink covering; E - Enamel wire;
 Example: A part number that starts out "MPE" would represent a Multilayer style, a Phenolic form, and an Enamel coating.



Multi Layer Enamel



Multi Layer Coated



Single Layer Enamel



Single Layer Shrink



Wideband



Torroid

MULTI LAYER ENAMEL

Part #	L x Dia	uHy	L-ma	Price	5 pcs	10 pcs	100 pcs
MPE-55	.40x.25	55	125	\$2.00	\$6.00	\$10.00	\$60.00
MPE-65	.30x.20	65	125	\$2.00	\$6.00	\$10.00	\$60.00
MPE-70	.30x.20	70	125	\$2.00	\$6.00	\$10.00	\$60.00
MFE-75	.30x.12	75	125	\$2.00	\$6.00	\$10.00	\$60.00
MPE-85	.30x.20	85	125	\$2.00	\$6.00	\$10.00	\$60.00
MPE-100	1.40x.40	100	2000	\$2.00	\$8.00	\$14.00	\$60.00
MPE-107	.30x.20	107	50	\$2.00	\$6.00	\$10.00	\$60.00
MFE-110	.30x.15	110	50	\$2.00	\$6.00	\$10.00	\$60.00
MFE-122	.38x.25	122	125	\$2.00	\$6.00	\$10.00	\$60.00
MPE-135	.40x.55	135	300	\$2.00	\$8.00	\$14.00	\$80.00
MFE-135	.30x.18	135	50	\$2.00	\$6.00	\$10.00	\$60.00
MPE-138	.30x.20	138	125	\$2.00	\$6.00	\$10.00	\$60.00
MFE-150	.30x.18	150	50	\$2.00	\$6.00	\$10.00	\$60.00
MFE-178	.30x.22	178	125	\$2.00	\$6.00	\$10.00	\$60.00
MFE-200	.30x.20	200	125	\$2.00	\$6.00	\$10.00	\$60.00
MPE-218	.30x.22	218	125	\$2.00	\$6.00	\$10.00	\$60.00
MFE-100-30-260	1.00x.30	260	500	\$2.00	\$8.00	\$14.00	\$60.00
MFE-30-25-260	.30x.25	260	50	\$2.00	\$6.00	\$10.00	\$60.00
MPE-266	.30x.30	266	50	\$2.00	\$6.00	\$10.00	\$60.00
MFE-300	.30x.25	300	50	\$2.00	\$6.00	\$10.00	\$60.00
MPE-340	.30x.30	340	100	\$2.00	\$6.00	\$10.00	\$60.00
MPE-360	.30x.20	360	100	\$2.00	\$6.00	\$10.00	\$60.00
MPE-362	.30x.27	362	100	\$2.00	\$6.00	\$10.00	\$60.00
MFE-375	.30x.25	375	100	\$2.00	\$6.00	\$10.00	\$60.00
MPE-390	.30x.30	390	100	\$2.00	\$6.00	\$10.00	\$60.00
MFE-400	.75-.35	400	500	\$3.00	\$10.00	\$15.00	\$60.00
MFE-435	.30x.25	435	50	\$2.00	\$6.00	\$10.00	\$60.00
MPE-550	.30x.30	550	50	\$2.00	\$6.00	\$10.00	\$60.00
MFE-680	.30x.30	680	50	\$2.00	\$6.00	\$10.00	\$60.00
MPE-685	.30x.40	685	50	\$2.00	\$6.00	\$10.00	\$60.00
MFE-100-40-715	1.00x.40	715	500	\$2.00	\$8.00	\$14.00	\$60.00
MFE-30-12-715	.30x.12	715	30	\$2.00	\$6.00	\$10.00	\$60.00
MPE-785	.30x.32	785	50	\$2.00	\$6.00	\$10.00	\$60.00
MPE-820	.30x.40	820	50	\$2.00	\$6.00	\$10.00	\$60.00
MPE-1000	.30x.40	1000	50	\$2.00	\$6.00	\$10.00	\$60.00
MFE-1160	.40x.30	1160	50	\$2.00	\$6.00	\$10.00	\$60.00
MFE-3000	.30x.20	3000	30	\$2.00	\$6.00	\$10.00	\$60.00
MFE-4300	.40x.20	4300	50	\$2.00	\$6.00	\$10.00	\$60.00
MFE-6250	.30x.42	6250	75	\$2.00	\$6.00	\$10.00	\$60.00
MFE-7950	.40x.30	7950	30	\$2.00	\$6.00	\$10.00	\$60.00
MPE-11500	.50x.40	11500	30	\$2.00	\$6.00	\$10.00	\$60.00

MULTI LAYER COATING

Part #	L x Dia	uHy	L-ma	Price	5 pcs	10 pcs	100 pcs
MFC-90	.30-.28	90	30	\$2.00	\$5.00	\$7.50	\$50.00
MFC-95	.25-.12	95	30	\$2.00	\$5.00	\$7.50	\$50.00
MPC110	.30-.25	110	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-135	.30-.19	135	30	\$2.00	\$5.00	\$7.50	\$50.00
MFC-145	.30-.22	145	30	\$2.00	\$5.00	\$7.50	\$50.00
MFC-155	.30-.19	155	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-25-30-180	.25-.30	180	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-30-30-180	.30-.30	180	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-195	.30-.18	195	30	\$2.00	\$5.00	\$7.50	\$50.00
MPC-200	.30-.25	200	75	\$2.00	\$5.00	\$7.50	\$50.00
MFC-205	.30-.20	205	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-225	.30-.30	225	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-260	.30-.25	260	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-265	.30-.30	265	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-266	.30-.30	266	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-30-30-300	.30-.30	300	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-30-22-300	.30-.22	300	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-325	.30-.30	325	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-355	.30-.22	355	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-425	.50-.40	425	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-510	.30-.30	510	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-590	.30-.28	590	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-625	.30-.35	625	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-835	.30-.40	835	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-1200	.35-.32	1200	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-38-32-1400	.38-.32	1400	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-32-32-1400	.32-.32	1400	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-1530	.35-.32	1530	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-1650	.40-.35	1650	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-1660	.35-.30	1660	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-7900	.40-.28	7900	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-8450	.40-.48	8450	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-10300	.50-.40	10300	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-16900	.50-.40	16900	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-21000	.65-.41	21000	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-23000	.50-.50	23000	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-26000	.65-.45	26000	50	\$2.00	\$5.00	\$7.50	\$50.00

MULTI LAYER SHRINK

Part #	L x Dia	uHy	L-ma	Price	5 pcs	10 pcs	100 pcs
MFS-59	.70-.40	59	300	\$3.00	\$10.00	\$15.00	\$100.00
MFS-100	1.00-.40	100	800	\$3.00	\$10.00	\$15.00	\$100.00
MFS-110	1.25-.45	110	1200	\$3.00	\$10.00	\$15.00	\$100.00
MFS-115	1.50-.60	115	2000	\$3.00	\$10.00	\$15.00	\$100.00
MFS-170	.75-.40	170	800	\$3.00	\$10.00	\$15.00	\$100.00
MFS-182	.75-.50	180	125	\$3.00	\$10.00	\$15.00	\$100.00
MFS-520	.75-.40	520	300	\$3.00	\$10.00	\$15.00	\$100.00
MFS-750	.50-.22	750	200	\$3.00	\$10.00	\$15.00	\$100.00
MFS-1110	.75-.40	1110	300	\$3.00	\$10.00	\$15.00	\$100.00
MFS-1125	1.20-.30	1125	200	\$3.00	\$10.00	\$15.00	\$100.00
MFS-4300	.78-.70	4300	200	\$3.00	\$10.00	\$15.00	\$100.00
MFS-13000	.75-.50	13000	125	\$3.00	\$10.00	\$15.00	\$100.00
MFS-17500	.75-.50	17500	125	\$3.00	\$10.00	\$15.00	\$100.00
MFS-39200	.75-.45	39200	125	\$3.00	\$10.00	\$15.00	\$100.00

SINGLE LAYER ENAMEL

Part #	L x Dia	uHy	L-ma	Price	5 pcs	10 pcs	100 pcs
SFE-4	.65x.22	4	2000	\$2.00	\$8.00	\$14.00	\$60.00
SPE-4.5	.62x.20	4.5	800	\$2.00	\$5.00	\$7.50	\$50.00
SFE-33-10-5.5	.33x.10	5.5	200	\$2.00	\$5.00	\$7.50	\$50.00
SFE-20-23-5.5	.23x.10	5.5	200	\$2.00	\$5.00	\$7.50	\$50.00
SPE-30-14-5.5	.30x.14	5.5	200	\$2.00	\$5.00	\$7.50	\$50.00
SPE-50-17-5.5	.50x.17	5.5	300	\$2.00	\$5.00	\$7.50	\$50.00
SPE-62-20-5.5	.62x.20	5.5	300	\$2.00	\$5.00	\$7.50	\$50.00
SPE-30-10-6	.30x.10	6	200	\$2.00	\$5.00	\$7.50	\$50.00
SFE-75-22-6	.75x.22	6	800	\$2.00	\$5.00	\$7.50	\$50.00
SFE-78-30-6	.78x.30	6	500	\$2.00	\$5.00	\$7.50	\$50.00
SPE-25-10-6.5	.25x.10	6.5	200	\$2.00	\$5.00	\$7.50	\$50.00
SPE-30-15-6.5	.30x.15	6.5	200	\$2.00	\$5.00	\$7.50	\$50.00
SPE-62-18-6.5	.62x.18	6.5	300	\$2.00	\$5.00	\$7.50	\$50.00
SPE-25-12-7.5	.25x.12	7.5	200	\$2.00	\$5.00	\$7.50	\$50.00
SPE-75-20-7.5	.75x.20	7.5	300	\$2.00	\$5.00	\$7.50	\$50.00
SPE-10	.35x.11	10	200	\$2.00	\$5.00	\$7.50	\$50.00
SPE-42-10-11	.42x.10	11	200	\$2.00	\$5.00	\$7.50	\$50.00
SPE-50-13-11	.50x.13	11	200	\$2.00	\$5.00	\$7.50	\$50.00
SPE-11.5	.35x.15	11.5	200	\$2.00	\$5.00	\$7.50	\$50.00
SPE-41-12-12.5	.41x.12	12.5	200	\$2.00	\$5.00	\$7.50	\$50.00
SPE-30-10-12.5	.30x.10	12.5	30	\$2.00	\$5.00	\$7.50	\$50.00
SPE-18	.57x.20	18	200	\$2.00	\$5.00	\$7.50	\$50.00
SPE-50-17-23	.50x.17	23	80	\$2.00	\$5.00	\$7.50	\$50.00
SPE-75-19-23	.75x.19	23	200	\$2.00	\$5.00	\$7.50	\$50.00
SFE-25	.75x.21	25	200	\$2.00	\$5.00	\$7.50	\$50.00
SPE-27	.30x.10	27	30	\$2.00	\$5.00	\$7.50	\$50.00
SFE-34	1.00x.29	34	800	\$2.00	\$5.00	\$7.50	\$50.00
SFE-36	.88x.22	36	300	\$2.00	\$5.00	\$7.50	\$50.00
SPE-39	.75x.21	39	300	\$2.00	\$5.00	\$7.50	\$50.00
SPE-44	.75x.21	44	300	\$2.00	\$5.00	\$7.50	\$50.00
SPE-45	.50x.13	45	80	\$2.00	\$5.00	\$7.50	\$50.00
SPE-58	.50x.13	58	80	\$2.00	\$5.00	\$7.50	\$50.00
SPE-75	.50x.15	75	30	\$2.00	\$5.00	\$7.50	\$50.00
SPE-77	.50x.15	77	30	\$2.00	\$5.00	\$7.50	\$50.00
SFE-78	.75-.40	78	800	\$3.00	\$10.00	\$15.00	\$100.00
SPE-80	.75x.20	80	150	\$2.00	\$5.00	\$7.50	\$50.00
SFE-95	.85x.25	95	200	\$2.00	\$5.00	\$7.50	\$50.00
SFE-97	.50x.18	97	50	\$2.00	\$5.00	\$7.50	\$50.00
SFE-116	.73x.38	116	800	\$2.00	\$6.00	\$10.00	\$50.00
SPE-148	.40x.15	148	30	\$2.00	\$5.00	\$7.50	\$50.00
SFE-170	.50x.13	170	125	\$2.00	\$6.00	\$10.00	\$50.00
SPE-185	1.25x.35	185	200	\$2.00	\$5.00	\$7.50	\$50.00
SFE-188	.42x.11	188	30	\$2.00	\$5.00	\$7.50	\$50.00
SPE-188	.50x.13	188	30	\$2.00	\$5.00	\$7.50	\$50.00

SINGLE LAYER COATING

Standard Relays



OPEN FRAME RELAYS with heavy 10 amp silver contacts; mi-calex insulated. 1.8x2.4x1.8,

1 lb sh. USED-CLEAN:

DPST NO, coil 115 VAC 60 Hz 400 ohms, #22-4383, \$16.00

DPDT, coil 6.3vac1 ohm, #22-4384, \$18

SPDT 9.6-15.8 VDC relay 206 ohm coil; used in GE mobile transceivers. For solder or socket connections. 1x1x3/4. #3SBW1001A2, Unused, \$1.75 each. 24/\$29.95



DPDT P&B PLATE RELAY; sealed metal can, requires octal socket. 2.5x1.5x1.4, #KR-4175-1, Unused, \$2.50

OMRON 3PDT RELAY, 24 V DC 650 ohm coil; 2 A contacts. 11-pin plug-in/solder lugs. 1x1.5x0.8; #OM-MY3, \$3

P&B 3PST 120 VAC coil, 10 amp 1/4 HP contacts; clear cover. #KU-4666, \$3.95

DUAL DC COIL each 3PST; one 24 V, other 48 V. PC-mt. 2.8x1.5x1.3; #116-2601, \$3.00

115 VAC 60 Hz COIL 25 amp @ 28 VDC/115 VAC contacts; solder terminals. 1.8x 3x1.8; #26S20/2054, Used, \$4.75

K3 Relay removed from the T-368. 380 ohms 115VAC 60Hz. High voltage: SP-NC 2500VDC at 500ma. Low voltage: SPDT 500VDC at 10ma. #K3-T368, \$29.95

Open frame relay 24VDC 230 ohm coil. 3PST N.O. 10 amps 120VAC / 5 amps 240VAC. SPST N.O. 1 amp 24VDC #DOUX-2055, \$4.75

4PDT 48VDC 3700 ohm coil; 1x1.5x1.7, #MHX4069, \$2.00

DOLLAR DAZE RELAY KIT, five mixed relays various voltages AC/DC. #DD-56-98, \$2.50

SENSITIVE RELAY SPDT 6 to 12 VDC 1500 ohms, contact adjust. 2.8x2.2 x2.3, 1 lb sh. #RM39/1901, used \$1.95

Sealed SENSITIVE RELAY, 50 ohms 28 ma coil; DPDT contacts. Solder hooks; 1x1x2 1/4. #R400-2B-50, \$3.50

ULTRA-SENSITIVE P&B 6 VDC DPDT RELAY, coil 500 ohm res. < 40 mv nom. power. Contacts rated 2 amp @ 28 VDC/120VAC; solder or socket mount. #R10-E1Y2SS500, Unused, \$4.25

Vacuum Relays



Kilovac (equal to Jennings RB1H) SPDT 26 VDC 270 ohm coil; 12 KV pk AC/DC 15 amps cont. W/ mount flange; 2.3"Hx1.5"dia, 1 lb. #H-8, Used, \$79.95

SPDT 335 ohm; 3.6 KV pk 18 A AC/DC. Max-open/release: 6 ms. 1.3"Hx0.8" dia, used less hardware, #RJ1A-26S, \$58.00

SPDT 8 amps at 2KV Jennings vacuum relay. 26 vdc, 920 Ohm coil. Mounts in 1/2" hole. 1.6" long. One terminal trimmed but usable. #RF1E-26N591, \$40

Vacuum Contactors

JENNINGS SPST VACUUM CONTACTOR for 3-1/8" (78 mm) dia hardline coaxial hook-up; rated 25 KW @ 30 MHz; 20 KV peak test; actuator 19-29 VDC. 4x8x3.8, 7 lbs. #RC10A5225A24, Unused, \$120

JENNINGS SPDT RF CONTACTOR for high power transmit and process equipment. 26.5 VDC actuator switch rated 300 amps @ 2.5 KV peak; pk test 10 KV 60 Hz. Sealed enclosure w/ mount flange; connector not available. 5x 5.3 x9.5, 22 lbs sh. #RF20BLDE8I2I-I, \$175.00

Relays, etc...

LEDEX 28 VDC SOLENOID, 8-position 45 deg stroke. Start torque: 5 lb-in 35 W (15 lb-in holding) cont. duty; 32 lb-in 700 W 1/20 duty. 7S-size 2.8" dia x1.9" W; 1/2x3/8" dia shaft. 4 lbs. #S-8210-025, Unused, \$5.75

ITT General Contols Sub-miniature Direct Acting Solenoid Valve. Coil 24 VDC, 10 PSI, 1/8 in port. For use with air, gas, water, hydraulic fluids, light fuel oils. Looks like 5/16 fitting. 2" long x 1" diameter. 1 lb sh. #S32121012, Unused, \$12.00

RELAY SOCKETS

10-BLADE Relay Socket for track mount of above; pressure screw terminals; 2.8x1.4x2., Weidmuller mfg. 1 lb. #SKT-10, Unused, \$3.00

REED RELAYS

4-REED RELAY CIRCUIT BOARD, 3 / 500 ohm & one 5K ohm 10-15 VDC relays; also a 26 VDC DPDT sealed relay. #792-312, \$3.50

ELECTROL 5 VDC REED RELAY, low current SPST norm-open contacts; 0.7"x2.5"x0.6". #R4376-2, NEW, \$2.75

SOLID STATE RELAYS

Solid State Relay by Gordos. 3-32VDC input, 240VAC at 10 amps. 2.2x1.8 x1, #G280D10V, Used, \$10.00

Contactors



CONTACTOR RELAY, 12 VDC coil & 12 V SPST norm-open contacts; 20 amps. Mfg by Massy Ferguson. 2x1.8x1.1; 1lb sh. #81-2450-1, \$3.50; 10/\$23

SIEMENS CONTACTORS, 80 VDC coils, 2 lbs. NEW: 2 NO+2NC; contacts 230/600 V 3/1 amps. Aux contact 10A 240 VAC; 2.8x1.8x1.8. #3TH12022 \$7.50

Coaxial Devices

SPDT Microwave Switch designed for high performance in microwave systems to 12.4 GHz. Has three TNC connections. Requires 24-30VDC. 3x2.70.9, Jay-EI Products. #D2-313B008, used, \$46.00

Transco SPDT Coax Relay, 50 ohms, Frequency: DC - 18GHz, Power: 28 Wolt DC, Three SMA females. #82152-810C30100, Good condition, \$38.00

RE-275 APDT Coax Relay, operates over 100-400 MHz, 24-28VDC coil. VSWR better than 1.1; cross-talk better than 60DB. Three BNC connections. 2.5x 3.2x1.7, 2 lbs sh. #RE-275, Used, \$29.95

6VDC SPDT Coax Relay by Danbury-Knudsen. For use with transmitter. Has two female BNC connections and one solder connection. #CR119, Unused, \$28.95

4000 ohm SPDT Coax Relay by Danbury-Knudsen. Has 3 female BNC connections. #CR37, Unused, \$29.95

Coaxial Transfer Relay, 4 BNC connectors which switch from AD BC to AB CD. Allows a preamp or some other device to be switched into a coaxial line or bypassed. 24VDC coil. #10CSA2/2-01, used, \$34.00

Miniature coaxial SPDT can relay for low level RF switching. Also has SPDT contacts. 26.5 vdc 675 ohms. HI-G d'italia #RFK 6396, \$12.00

Same as above, but relay is in metal box with 6 very small coax connectors (SML ??) #RE-612-2, \$14.00

Broadband Coaxial Protector by Polyphaser, has male to female type N connections. Frequency coverage is 50MHz to 700MHz. Maximum Power: VHF 375W; UHF 125W. 1.8x2.5x1.5, #IS-50NX-C1, Used Excellent, \$29.95 ea.; 5/\$100.



8PST CONTACTOR, rated 660 VAC 6 amps; coil 80 VDC. 3x4.5x1.8, 2#. Schindler #MRG-44E, NEW, \$16.95

Deltrol Contactor / Relay is a 12 volt coil with spst contacts rated at 30 Amp or 1 HP @120V. 1701X7519, Unused, \$3.00



Transco SPDT RF relay 82152-11300-75, 28 VDC coil.

Connectors are similar to type N, but are 75 ohm. The connectors will not mate with type N. Two operation coils, one is marked "energize to close" and the other is marked "energize to open". 1 lb sh. #11300-75, Used excellent, \$85

Attenuators

ELCOM ATTENUATOR, 10DB w/ SMA conn; Ag-plated, 1.5x0.5" dia. #AT-53-10, \$12

VARIABLE 6-STEP ATTENUATOR, ladder network in 10:1 ratio. Attenuates 0.1 V down to 0.1 uv; 50 ohm impedance. BNC input & output connection; shaft 3/4" Lx 1/4" dia with gear drive. Silver-plated; p/o 0.01 to 50 MHz RF generator. 3.5x4.8x3.5, 4 lb #AT101/URM25, used, \$22.00

75 ohm Alan Industries Fixed Attenuator, 3.0DB at 30MHz and 3.3DB at 1GHz. Has a BNC male on one end and a BNC female on the other. #75SP3, \$14.00

ROTARY TURRET 50 OHM COAXIAL ATTENUATORS from Empire NF-105 field intensity meter; to operate pull knob and rotate to next index. Mechanism is spring loaded to engage next attenuator element; 5"Lx3.4" dia, 5 lbs.

0-20-40-60-80 db with BNC female chassis connectors on 7.5" cables. #ATTNF105-0-80, Used, \$27.95

40-50-60-70-80-90 db; female BNC chassis & male N conn on 7.5" cable, #ATTNF105-40-90, \$23.00

One of each attenuator, #ATTNF-105-PR, \$46.00

Tap Switches

Miniature Tap Switch, 1 pole 7-position rated 1 amp 1x1/2". #MTS-7, \$2.50


6-POSITION CERAMIC RF TAP SWITCH for 100 Wmitter; 2.3x2.3x1.8, 1 lb. #3Z9605, \$4.50; 10 for \$37.

THREE DECK 7-POSITION TAP SWITCH w/ screw terminals; 10 amp shorting contacts. 1.8x2.3x1 + 1.3" x 0.3" dia shaft. #ES32303LM, \$4.50

PLACE YOUR ORDER OVER THE WEB AT FAIRRADIO.COM


Misc. Switches

MICROSWITCH KIT, five SPST VARIOUS style. #MSW-KIT, \$1.50

 C&K KEY-SWITCH for electronic equipment; SPST 4 amp 125 V rated. Two keys; 5/8" dia, 1" depth. #CK-KY-SW, Unused, \$4.95

DPDT Two Position On-On Key Switch by Alco. Panel mount with 3/4" diameter thread. 1 lb sh. #AEL-01, Unused, \$8.95

ROCKER SWITCHES, 1.6"Wx0.6"Hx 1.3"D; mt flange 1.9"W #0319, SPST, 2 for \$1.00 #0320, SPDT momentary both sides, 2 for \$1.50

 4PDT one side 2PDT other side, both sides mom. #1155, Unused, \$2.50

Mini Switches



Black= Blk. White= wh. NEW: SPDT on-off-on, wh. toggle (b); Alco #MLD106E, \$1.00

SPDT on-on, blk. rocker (c) JBT #MR2-123, \$1.00

SPST black rocker (not mini) Carling mfg. #123, \$1.00

SPDT mom push switch; C-NC-NO., C&K mfg. #8125, 2/\$1.50


DP3T one side mom. (f) toggle; Alco #CST-023TA, 2/\$1.50

DPDT on-on slide (h), #MINI-SL, 5/\$1.

SUB-MINI SLIDE SWITCH, SP 3-pos: #SLS-131PC, 3/\$1.00

+++++ Mini-Toggles, 120 VAC 6 A: SPDT ON-ON, Used, #MINI-1, \$1.00 SPDT On-Off-On, Used, #MINI-2, \$1.00 DPDT On-Off-On, Unused, #MINI-3, \$1.50

Rotary Switches


 DAVEN-TYPE 18-POSITION, continuous turn; 2" dia. Zinc-silver contacts. 1/2x1/4" diameter shaft. #3Z9825-92.2, \$3.50

FIVE-DECK ROTARY, each 2-pole 4-position; bakelite. 4x1.6" dia.; shaft 1/2x1/4" dia #SW-RM39, Used, \$1.50

Rotary Switch 4 pole 6 position 1.6" diameter bakelite. 1/4" dia shaft. #SW-46, \$2.50

MINI-ROTARY, 1-pole 3-pos. shorting. 1" dia; 1/8" dia shaft. No hardware #LED-M13-S, unused, \$1.75

Toggle Switches


 Some single hole mount, some with mount plates; CH = Cutler Hammer, Unused unless otherwise noted:

AIRCRAFT-type Toggle, two hole mt: SPDT 5A/125V, CH, Momentary on-off #B-21, \$1.25 SPDT 5A/125V, CH Momentary on one side, on-off-on, #B-7A, \$1.25 DPDT 20A/125V, CH, #8710K3, \$3.50 DPDT 20A/125V, CH, Radium tip on-on momentary, #3023-10B, \$3.00 DPDT 20A/125V, CH, on-off-on, #8700K3, \$4.00

INDUSTRIAL-type TOGGLES: DPDT 10A/125V, CH, on-on momentary, #ST-52R, Used, \$1.00 DPDT 6A/125V AH&H, on-on; 1" mt barrel, 1/2" dia. white ball cap, #T-WB-87, \$2.50 DPDT 10A/125V, mfg CH, #ST-52N, \$2.50 3PDT 15A/125V, CH, #7614K2, \$3.00 DPDT 6A/125V, CH, Bat Handle, #TG-B-CH, \$2.25 3PDT 15A/125V, CH, #TG-3PDT-2, \$3.50 3PDT 16A/125V, A-H&H, on-off-on, #TG-AHH, \$4.50 DPDT 15A/125V, CH, Bat Handle, #TG-B-DPDT, \$3.00

Push Button


#67137-506, 13-button Push-on/Push-off; 8.8" W. \$8.50

 KLIXON 15 AMP PUSH BUTTON w/2.3" W mount flange; fits 1.4"x0.8"x 1.4"D hole. #43A8304, unused, \$1.75

MICROSWITCH ALM-20 push-On/push-Off SPDT switch w/red 5V LED; 0.9" sq x 2"D. #ALM-20-5V, \$3.00

Code Switch BCD 0-9 bidirectional push switch. Manufactured by Alco/Augat Mico. Ten Sections (as pictured), #131-AL-2-10, \$30 One section, #131-AL-2, Unused, \$4.75; 10 for \$35.00

ROTARY SW, 1.6" dia bakelite 3-deck 4P 2-pos, #SW-342, \$2.50

 3-Pole 4-Position, #4-pos momentary; 1" dia bakelite. #SW-PRC-10, Unused, \$1.75

TECH-LAB precision, 4 pole 7-position w/ gold-plated contacts; 2-poles 5 amp & two 3 A. Shft 1"Lx1/4" dia; o/a 2.3x2.3 x2.5, 1 lb. #TL-4P7PS, Used, \$6.00

ROTARY SWITCH KIT, six types: multideck and contacts, #RS-KIT, \$2.50


Fuse & Fuseholders

Large Industrial Syle Fuse by Gould - Shawmut Amp-trap Form 600, 175 amp 600 Volt AC-DC. 9.5"Lx1.5"dia. #600-175A, Used, \$6.00

GE Type EJO-1, Model 9F60FJD100, Size D, 12" clip spacing, 100E Amp, 4800 V, 15.9"L x 3"dia, 10 lbs sh. #EJO-1, Unused, \$22.00

Standard 3AG 6.35x32mm 250VAC Fast Acting Fuses. New. Part #6FF(Amps) The following are 5 / \$2.50; 10 / \$3.95 Amps: 0.1, and 0.25 The following are 5 / \$1.29; 10 / \$1.95 Amps: 0.5, 1, 2, 3.15, 4, 5, 6.3, and 8

Same as above except Slow Blow. New. Part #6FU(Amps). The following are 5 / \$2.50; 10 / \$4.00 Amps: 0.25, 0.5, 1, 2, 3.15, 4, 5, 6.3, 8, 12

 5x20mm 250VAC Fast Acting Fuses. New. Part #FF(Amps). The following are 5 / \$1.19; 10 / \$1.99. Amps: 0.5, 1, 1.6, 2, 2.5, 3, 4, and 5 The following are 5 / \$1.55; 10 / \$2.70 Amps: 0.1, and 0.2

100 piece Fuse Set 5x20mm 250VAC Fast Acting. Consists of 10 of each of the following amps: 0.1, 0.2, 0.5, 1, 1.6, 2, 2.5, 3, 4, and 5. #K/FF, \$13.80

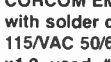
R-390A Fuses, New, 0.1 amp (good replacement for 1/8 amp), #6FF0.1N, 5 / 2.50, 10 / \$3.95 0.25 amp, #6FF0.25N, 5 / 2.50, 10 / \$3.95 3.15 amp (good replacement for 1/8 amp), #6FF3.15N, 10 for \$1.95

 LIGHT INDICATOR FUSEHOLDERS for 3AG fuses; 1.6"D behind panel. O/a 2.9"L; used: 115 V, clear, #FU-HKL, \$3.00

5AG / AGU In-line Fuseholder, #FH-5AG, Used, \$2.50

Line Filters

 CORCOM EMI 1 AMP Line Filter. 120/250VAC 50/60Hz. 2.3x0.8x0.6, #F-7099, Used, \$1.35

 CORCOM EMI 3 AMP filter with solder connections. 115/VAC 50/60Hz. 2.7x1.7 x1.2, used, #3W1A \$1.75

3 Amp 120/250 Volts Line Filter by Corcom. 4 solder terminals. #F2133, Unused, \$2.95

5 Amps 120/250 Volts Line Filter by Corcom. R Series with 1/4 quick connect terminals. #5VR1, Unused, \$3.95

10 Amp 120/250 Volts Line Filter by Corcom. W Series with 1/4 quick connect terminals. #10VW1, Minor rust. Unused, \$6.95

10 Amps 100 VDC Line Filter by Sprague. Two threaded terminals. #JX51K, \$4.95

TOKIN 250 VAC 15 amps 50/50 Hz with spade terminals; 2.6"Lx1.8" dia, 1 lb. #VG-215F, NEW, \$3.50

2x20 AMP FILTER, 115 to 250 VAC 48-440 Hz; 3.4x1.5x 3.2, 1 lb. #F-85066, NEW \$3.95; 10/\$28.95; 100/\$225.

55 Amps 30VDC Line Filter by Cornell Dubilier. 2 terminals. #FL-19, Unused, \$6.95

Suppressor

 MX-10237 / MX-2096 Suppressor Electrical Transient for the VRC-12 Radio Set. This circuit protector consists of a standard size 4 pin GRC male connector with a threaded center, indicator light, 2 hole mount bracket, heatsink, and plate which is marked "Danger High Temp 215 degree F". FSN #5915-01-024-3877. It connects directly to either the transceiver or AUX receiver mount. In some applications it replaces the MX-7778 suppressor. No further data. 3 lbs sh. #MX-2096, Unused, \$17.00

 MX-7777A SUPPRESSOR protects vehicle radios VRC-12, VRC-53/64 & GRC-106 from damage by voltage transients. Input 28 VDC; output < 36 VDC. Has 50 amp circuit breakers for Overload & Short; diode overheat protection & manual (BATTLE) override. 9.9x6.2x5, 7 lbs sh. #MX-7777A, Used, \$25.95

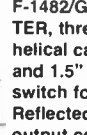
PLUGS (2) for MX7777; #29935-2P, used, \$12.00 ea PLUGS (1) for MX7777; 4 pin female, #7777-4P, Used, \$12.00


Bandpass Filters

 TUNABLE TWIN-CAVITY BAND-PASS FILTERS, gold-plated cavities have tune knobs, dials, and rear N-connections. Designed for military TRC-24 radio system for specific frequency ranges; usable and/or adapt for civilian purposes. 7x2.5 x9.5, 8 lbs. Used, \$25.95 each.

#F-196, 184-205MHz #F-199, 224-254MHz #F-200, 254-284MHz #F-203, 344-374MHz

#F-197, 205-225 MHz, unused, \$34.95 #F-204, 374-404MHz, unused, \$23; 2 / \$35

 F-1482/GRC BANDPASS FILTER, three 30-88 MHz tunable helical cavities with dial locks and 1.5" dia 0-60 Watt meter; switch for 6 or 60 W Phase, Reflected or Forward W. BNC output connection; special RF input connection. Rugged military design; 8.8x2.5 x9, 10 lbs sh. #F-1482, GOV'T-RECONDITIONED, \$99.95

 K & L Tubular Bandpass Filter. Six section filter. 26 MHz BW. 200 watts. VSWR = 1.5:1. Center frequency is 257MHz. 50 and 75 ohm impedance. SMA male connections on each side. 1 1/4" diameter x 6.8" long. 3 lbs sh. #6B110-257/HQ26-OP/OP, Used Excellent, \$18.00

Bandpass Filter 2.0 - 3.15 MHz. 3X0.75, #A-251-A, Unused, \$6.

250KHz Mech. Filter

 250KHz Mechanical Filter from Collins F250A85. 8.5KHz Bandwidth. #526-9049-009, Unused in the original box, \$21.95

MANY ITEMS NOT LISTED - TELL US YOUR NEEDS

Coax Connectors

TYPE UHF:

#PL-259 UHF Male, Generic, \$1.25 each 10 /\$11.00
 #SLV-PL-259, As above but silver plated, \$2ea; 10/\$15
 #83-15P, As above but Amphenol, \$5.38ea; 10/\$47



#SLV-SO-239 UHF Female Silver Plated.
 Made by Amphenol, New, \$2

#PNL-SO-239 UHF Female Silver Plated.
 SO-239 mounted on a panel, Used, \$1.40



#SH-SO239 1 hole mount female barrel mount, \$1.



UG-363 Female to Female UHF adapter. 3 inch long, #UG-363, Unused, \$3.99

#PL-258 UHF Female to Female, \$1.75 ea 10 /\$16.
 #M-358 "T" for two PL259 & one SO239, used, \$1.50
 #83-185-RFX, UG-175 reduces PL-259 to RG-58 coax, \$0.60 each; 10/\$5.50

#83-168-RFX, UG-176 reduces PL-259 to RG-59 coax, \$0.60 each; 10/\$5.50

Silver Plated Old style Twin-Ax "T" Adapter. 2 female & 1 male. #UG-196, Unused, \$5.00



CONNECTORS & ADAPTERS: (m) male, (f) female, (bulk) bulkhead, (rec) receptable, (r/a) right angle; (U) = Used, (Un) = Unused.

TYPE BNC: UG-88m (RG-58) Used, \$1.00 ea
 BNC (m) (RG-58) Amphenol, New, #31-2-RFX, \$2.65; \$5/11.50
 UG-260 m (RG-59) U \$1.00 UG-290 f panel U \$1.25
 -274 "T" 2-f to m, U \$4.50 -909 bulk U \$1.25
 -273 to UHF, U \$2.50 -306 R/A adapter, used, \$2.00
 -282 to post \$1.75



BNC "T" like UG-274. Useful around the shop. Nickel plated. #274-T, Un, \$3.50

TYPE N: UG-21 male (RG-8), Used, \$3.50

Type N male (RG-8) Amphenol, New, #82-202-RFX, \$6.35; 5 / \$28.95

UG-58 f chassis U \$3.00 UG-27 R/A m-f U \$2.50
 -536 m (RG-58) U \$2.50
 -593 f bulkhead for R-59-62, used \$1.75
 -1052 f bulkhead for RG-58, used, \$1.75

TYPE C: UG-643 "C" female-female, \$3.00

UG-573 Type "C" Male Unbalanced Silver Plated Connector/ R-390A. #UG-573, Unused cut-off, \$6.50

TYPE TNC: Greomar #6000 (m) used, \$1.75 ea

#6177 m R/A Un \$3.50 #6098 to N f bulk U \$3.50

TYPE HN: UG-59 male Used, \$6.00

UG-920 m-f R/A, \$7.00

R-390A Connectors:

Twin-Ax male, Amphenol, New, #82-5589-RFX, \$9.95; 3 / \$25.00

Mini-BNC p/o R-390A, #390A-MBNC, used, \$3.00
 As above but chassis, #390A-MBNC-CH, used, \$3.00

Hard to find R-390A balanced input adapter. Goes from Twin-ax male to a UHF female. Unused, #UG-970, \$40.



Trompeter



Trompeter Cable, 10 inch patch cord with two gold plated trompeter PL150-29 mini patch plugs. Used good condition, #TRMP-1, \$14.00

As above except 2 feet long. #TRMP-2, \$16.00

Cable Ties



1000 piece CABLE TIES IN PLASTIC CAN.
 0.1 x 3.9": 100 pcs blue, 100 pcs red, 100 pcs white, 100 pcs yellow
 0.14 x 5.9": 100 pcs white, 100 pcs blue, 100 pcs green
 0.14 x 7.9": 200 pcs white
 0.14 x 11.8": 100 pcs white
 Material: polyamide (nylon 6.6) as specified in MIL-S-23190 self-extinguishing. Temperature: -40F to +230F. #K/TF1000, New, \$16.98

As above but 300 piece kit.

0.1 x 3.9": 25 pcs green, 25 pcs yellow, 25 pcs black, 25 pcs red, 50 pcs transparent
 0.14x7.9": 50 pcs red, 50 pcs blue, 50 pcs transparent. #K/TF300, New, \$6.00

100 pieces of Nylon Black Cable Ties, 4" x 0.1", -40F to 230F, #K/TFB3, New, \$1.00

As above except, 5.5" x 0.14", #K/TFB4, New, \$1.78

As above except, 8" x 0.14", #K/TFB5, New, \$2.78

As above except, 11.4" x 0.14", #K/TFB6, New, \$7.90



All nylon ties listed below are common locking type and are standard 0.12" width.

#CT-5.5, Black 5.5" overall length, 50/\$4.; 100/\$6.50
 #CT-5, Natural 5" overall length, 50/\$4.; 100/\$6.50

As above except 0.06" width. Bundle dia. is 5/8".

#CT-4, Black 4" overall length. 50/\$3.00; 100/\$5.00
 #CT-4.5, Natural 4.5" overall length. 50/\$3.; 100/\$5.

Tie-Down Nylon Cable Tie - Ideal for fastening wiring or harnesses to chassis or mechanical assemblies. Accepts #10 screw. Maximum bundle diameter of 1 1/4". Overall length of 6". Standard 0.19" width.

#TCT-6B, Black color, 50/\$5.50; 100/\$8.00

#TCT-6N, Natural color, 50/\$5.50; 100/\$8.00

Electrical Tape

Set of 6 rolls of electrical tape in different colors: yellow, white, green, black, blue, & red. Ideal for color code wiring your audio systems, computers, etc... 3/4" wide. Length is 16.4 feet per roll. #T5S, New, \$2.20



AC Line Cords

3-COND LINE CORDS:

18 AWG 3-blade line coil cord; Stretches to 10 feet. with AC Plug. #SJO-18, \$4.50

10 ft flat w/ R-A plug; #14 wire. #14-10FT, \$3.00

BUSINESS MACHINE CORD,
 3-blade type w/ AC plug; 6' black, 18 AWG. #HP-NS, \$2.50

16 AWG 3-blade line cord; no AC plug. #16-HP-NP, \$2.50

HEATER CORD type HSJ, 3-cond 7.5' #16 wire; grey molded R/A plug. #HSJ-16, \$2.50

Heat Gun & Shrink



1200 watt NTE Heat Gun, Electronic variable temperature control dial with temperatures ranging from 250F - 1100F / 120C - 590C. Two speed motor. Heat guard. High quality heat element and solid state construction. Also

strips paint and varnish. Thawing and drying. Shrinking and softening. #HG-001VT, New, \$41.99

4 Foot NTE Heat Shrink Tubing. Shrink

Temperature: 120C. Shrink Ratio - 2:1.

Example - 1/16" shrinks to 1/32".

Comes in four colors: Black - "BK"; Clear - "CL"; Blue - "BU"; Red - "R". New.

1/16", #47-20148-(Specify Color), \$0.87
 1/8", #47-20348-(Specify Color), \$0.91
 1/4", #47-20548-(Specify Color), \$1.30
 3/8", #47-20748-(Specify Color), \$1.56
 1/2", #47-20848-(Specify Color), \$2.02
 3/4", #47-20948-(Specify Color), \$2.70
 1", #47-21048-(Specify Color), \$3.71



HEAT-SHRINKABLE TUBE KIT - 40pcs- BLACK, Contains: 0.04x 120mm 4.7": 10 pcs; 0.08 x 120mm: 10 pcs; 0.16 x 120mm: 5 pcs; 0.24 x 120mm: 5 pcs; 0.35 x 120mm: 5 pcs; 0.47 x 120mm: 5 pcs. Halogen and dioxine free, flame retardant. Shrinking temperature: 90°C; max. temperature: 120°C. 2:1 Shrinking ratio. Dielectric strength: 15kV/mm. New, #K/STB, \$4.20

1/16" black Polyolefin. 90°C C shrink temp. Made by Sumitomo. #11438-(specify feet).

10ft \$3.50; 25ft \$7; 50ft \$12; 100ft \$20

3/8" Dia. Alpha Irradiated PVC Heat Shrink Tubing, For wire harness jacketing and covering handles, capacitors, and terminals. Rated 105 degree C.

2:1 shrinkage ratio at 175 degree C. 3/8" diameter. #FIT-105-3/8, Unused, 10 ft for \$4; 25 ft for \$7.50

NTE Hook-up Wire



Stranded Hook-up Wire by NTE on the reel. Rated 300V minus 90 degree Celsius. Comes in the following colors: Red "R", Black "BK", White "W", Blue "BU", Yellow "Y". New.

Gauge	Length	Part Number	Price
18	25ft	WH18-(specify color)-25	\$4.59
20	25ft	WH20-(specify color)-25	\$4.07
22	25ft	WH22-(specify color)-25	\$3.73
24	25ft	WH24-(specify color)-25	\$3.33
26	25ft	WH26-(specify color)-25	\$3.43
18	100ft	WH18-(specify color)-100	\$9.63
20	100ft	WH20-(specify color)-100	\$7.93
22	100ft	WH22-(specify color)-100	\$7.23
24	100ft	WH24-(specify color)-100	\$5.87
26	100ft	WH26-(specify color)-100	\$5.38

TEFLON Hook-up Wire by NTE on the reel.

Rated minus 200 degree Celsius. Comes in the following colors: Red "R", Black "BK", New.

Gauge	Length	Part Number	Price
18	25ft	WT18-(specify color)-25	\$14.10
22	25ft	WT22-(specify color)-25	\$8.87

SURPLUS HOOK-UP WIRE

Vinyl-covered hook-up wire, all stranded copper; no color choice. May not have continuous lengths over 1000 ft. Allow 2 lbs sh weight per 100 feet

Part#	Gauge	Price
HUW-20, 20	\$16/500 ft	
HUW-22-SH, 22 SHIELDED	\$4.50/100' \$26/1K' \$85/5K'	
HUW-24, 24	\$16/500 ft	
HUW-26, 26 SOLID	\$7/500' \$10.50/1000' \$35/5000'	

CHECK OUT OUR LATEST FEATURE ITEMS AT FAIRRADIO.COM

Coax Cables

COAX CABLES with connectors from military equipment. USED/UNUSED:

#CG-409 CABLE, 8ft RG-58 with two BNC, \$4.75
 #RG-213-1, 16" RG-213 coax w/ R/A N conn. \$6.00
 #CG-3444, 42" RG-214 w/ 2 UG-573 "C" conn., \$10.50
 #A303892-10, SMA (m): TNC (f) 8" jumper; \$5.25

18 foot RG-71 (93 ohm) Coax Cable with a BNC Male on each end. #DLA400, Unused, \$10.00



RG-142 Cable 3' 3" long with type SMA screw on male going to a type N female on the other. The type N female does not have any nuts. Cable is rated for 50 ohms 5000 volt. Diameter of the cable is similar to RG-58. Various manufacturers. 2 lbs sh. #RG-142-3, Used excellent condition, \$7.50

- - - TYPE N - SMA CABLES - - -
 From cellular installation:



Type N male to SMA male w/ 12" coax. #N-SMA-12, \$3.50

Type N female to SMA male w/ 33" coax. #FN-SMA-33, \$4.50

BNC male to right angle BNC male six foot RG-58 coaxial cable. #CG-1773, Unused, \$6.00; 5 for \$20



W-128 Single conductor antenna wire as used on many radio sets from WW2 thru the 1970's. Removed from installation kits, good condition. #W-128-5, 5 feet, \$9.50;

Hardline Coax

Hardline 50 ohm Coax, 3/8" dia aluminum jacket, foam insulated. 9 gauge center conductor. 3/32" dia solid copper wire. 25pf per foot nominal impedance, impedance 50 ohms, 2500 vrms: #HLCX-3/8-(specify feet), \$.75/ft; 100 ft/\$63.00 500 ft/\$255.00

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MINI-FLEXIBLE HARDLINE COAX CABLE, Belden 1573A (RG-402 50 ohm) with SMA connectors.



M=male, F=female, RA=right angle

#507-174A, M-RA to M-RA, 3.5" L, \$10.50
 #507-175A, M to F N-chassis conn, 8"L, \$14.00

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0.5" dia FLEXIBLE HARDLINE (Cablewave 16733) with male N-connections (1-right angle); Various lengths as noted; 5 lbs sh. #HDL-16733- (length):
 6 ft, \$21. 10 ft, \$25.
 12 ft, \$27. 22 ft, \$45.

CB Installation Wire Kit



Wire Kit provides parts to connect an SDU-5/E flasher to a vehicle (12/24V) battery or wiring. Kit includes the following: Voltage Converter, Adapter, (2) 3/8" Ring Lugs with Wire, (2) #8 Spade Lugs with Wire, (2) Battery Clips with Wire, (4) Connector Splices, (4) 3/8"-16 Nut. (2) 11.5" Cable Tie, 7.25" Cable Tie, and a Velcro Strip. 3 lbs sh. #CK-SDU, Unused, \$10.00; 3 for \$25.00

Wire Galore !!

#22 Cloth Covered Stranded Hook-up Wire. Color choices: red/green, orange, orange/green, blue/red, green, PLEASE SPECIFY. #WCC-22-(specify color)-(specify feet), \$7.50/25ft, \$23.00/100ft

Twisted two conductor 22 gauge stranded cable with tin shield. 19 strands per conductor. Has white plastic jacket. Mfg by Brand-Rex. #WT-22, \$34.95 for 500 foot spool

2 conductor w/ ground and foil shield 22 AWG CL3R Instrumentation Cable E57497 with reel. 1000 foot. 75 deg C. Blue color. 21 lbs sh. #E57497, \$34.95



Black 18 gauge 2 conductor Cable by Carol. Type SVT. 300V 60C. 250 feet. 11 lbs sh. #86002, Unused, \$26.95

Gray 24 gauge 2 conductor Cable. Ideal for intercom use and other low voltage applications. Unused, 100 feet Less reel, #WR-24-2-100, \$9.50; 1000 feet with reel, 14 lbs sh. #WR-24-2-1000, \$23.00

3 conductor 12 awg stranded wire. 65 strand 30 awg. 0.045 PVC jacket. Max 300 volt. Black color. 17 lbs shg per 100 foot. #SJTOW-A, Less than 100 feet, \$0.30 per foot 100 feet or greater, \$0.25 per foot

Twisted Twin-Axial RF cable with braid silver shield. Both conductors are 24 gauge with 19 strands per conductor. Cable rated at 77 ohm impedance. Light blue jacket. #WT-24-(specify feet), \$30.00/100ft; \$110.00/500ft

GUY WIRE, MACWHYTE Clear coated 1/4 inch stainless steel wire rope. 7x19. Unused, 100 feet, #GY-WR-100, \$85.00 500 feet, #GY-WR-100, \$350.00

--- MAGNET WIRE ---

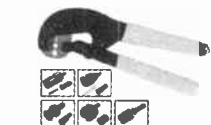
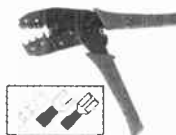
1 lb spool of Magnet Wire. 34 gauge, #MGT-34, \$10. 1/4 lb spool of Magnet Wire. 30 gauge, #MGT-30, \$3.50

Crimping Tool



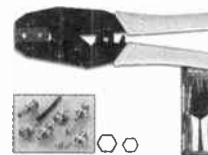
80-PC TRAY CARD WITH CRIMPING TOOL. Crimping tool comes with a variety of different spade terminals, ring terminals, etc.. #BL/FCT, New, \$10.95

HEAVY-DUTY CRIMPING TOOL FOR FAST-ON. For crimping insulated terminals red awg 22-18, blue awg 16-14, yellow awg 12-10. 8.7" long. #VTHCT, \$27.99



CRIMPING TOOL FOR F & BNC CONNECTORS. For crimping cables: BNC, TNC, UHF, SMA - For RG cable 59, 62, 140, 210, 55, 58. Size: 9.0". #VTFBNC, New, \$23.99

COAX CRIMPING TOOL RATCHET TYPE. For crimping BNC/TNC/NF. For RG cable: 59, 62, 140, 210, FIBROPTIC. Size: 8.7". #VTBNC, New, \$24.95



Cutters & Strippers

UNIVERSAL CUTTER - HEAVY-DUTY. 6.5" long. #VT09, \$4.90

HQ MINIATURE DIAGONAL CUTTER. Carbon steel, hardened. Black oxide finish. 4.3" long. #VT057, \$3.40



MICRO CUTTING NIPPERS. For precision work. 5.1" long. #VT100, \$3.40

HEAVY DUTY MINIATURE DIAGONAL CUTTER. Carbon steel, hardened. Black oxide finish. 4.9" long. #VT106, \$2.50



CABLE CUTTER. Curved blade cuts wires up to 0.4". 6.5" long. #VTCC, \$7.80

5" ELECTRICAL CUTTER & STRIPPER. Strips wires from 20-24 AWG and cuts wires with a max. $\dot{\gamma}$ of 0.05". 4.7" long. #VT109, \$4.99



Adjustable Cutter/Stripper. Strips AWG 30-10 wire. Adjusts with a screwdriver. High carbon steel. Precision ground cutting surface. #200-007, New, \$4.69

Precision Wire Stripper. Plier type nose. Cutter jaws. Soft grip handles. Spring return. New. For AWG 22, 20, 18, 16, 14, 12 & 10, #200-010, \$7.99



Pliers

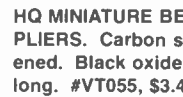


UNIVERSAL PLIERS - HEAVY-DUTY. 7.5" long. #VT03, \$5.99

HEAVY-DUTY LONG NOSE PLIERS. 6.0" long. #VT05, \$4.99



HQ MINIATURE FLAT NOSE PLIERS. Carbon steel, hardened. Black oxide finish. 4.9" long. #VT054, \$3.40



HQ MINIATURE BENT NOSE PLIERS. Carbon steel, hardened. Black oxide finish. 4.9" long. #VT055, \$3.40



HQ MINIATURE LONG NOSE PLIERS. Carbon steel, hardened. Black oxide finish. 4.5" long. #VT056, \$3.40



TOOL SET / 5PCS DIFFERENT PLIERS. Stainless-steel precision pliers set (5 pcs) : diagonal cutter, top cutter, bent nose pliers, flat nose pliers, long nose pliers. #VTSET, New, \$10.80



HEAVY DUTY TOOL SET - 3 PCS. Universal pliers, heavy-duty cutter, long nose pliers. New, #VT33, \$11.40

CALL US AT 419-223-2196 or 227-6573

24 HOUR FAX 419-227-1313

Vises



VACUUM TABLE VISE WITH STANDARD HEAD. Turns and rotates in all directions. 75mm jaws with protective detachable pads. Opening 70mm. With vacuum base: easy to mount on all flat surfaces, can also be mounted with screws. 5lbs.

7.3x6.2x6.2, #VTTV, New, \$26.99

TABLE VISE WITH STANDARD HEAD. Professional quality for this metal vise for table-screw mounting. Jaw opening 3.0". Rotates 270 degree. Equipped with a fast mounting system. Height: 12.0". 6 lbs sh. #VTTV2, New, \$28.99



Knives & Knife Sets



PRECISION KNIFE WITH 5-PC BLADE SET. 5.7" long. New, #VTK1, \$1.70

HEAVY-DUTY KNIFE WITH 5-PC BLADE SET. 5.1" long. New, #VTK2, \$1.70



13-PC HEAVY-DUTY KNIFE SET. Contains 3 cutters with blade and 10 spare blades. New, #VTK7, \$3.40

Utility Knife with lock. Blade snaps off for sharp tip. 4.9" long. New, #VTK3B, 2 for \$1.00; 5 for \$2.00



As above except: Plastic handle with metal protection, 6.3" long. New, #VTK5, \$1.50

Utility Knife with metal housing. High-Q lock button. Set of spare blades. 6.1" long. New, #VTK4, \$2.50
Five spare blades for above, #VTSB3, \$0.99



Diamond Files



SET OF DIAMOND FILES - 10PCS. Powder-coated. 4.7" long. New, #VTDF1, \$9.60

SET OF DIAMOND FILES - 5PCS. Powder-coated. 5.5" long. New, #VTDF2, \$4.60



IC Extractor



IC EXTRACTION TOOL. 4.1" long. #VTIC, \$1.98

Radio Tuning Tools

6-PC PLASTIC TUNING NEEDLE SET. Comes with a variety sizes. #VTPT, New, \$5.60



Hex Wrench Set

HEX KEY WRENCH SET - 8PCS. Hex: 0.06", 0.08", 0.10", 0.12", 0.14", 0.16", 0.20", 0.24". New, #VTHX8, \$1.59



Screwdrivers

SCREWDRIVERS

HANDLE: Swivel-handed cap and color-coded caps for easy identification. User-friendly grips for improved comfort. Special handle for good torque.
BLADES: Nickel-chrome molybdenum. Black oxidized tips for greater durability and accuracy. Plated blade to reduce glare and reflection. Horizontally ground tips for greater torque.

Phillips type:
#0, 4.7" long, #VTC1, \$3.90
#0-3, 6.7" long, #VTC2, \$2.70
#1, 10.0" long, #VTC3, \$4.20

Slotted type:
0.06", 4.7" long, #VTF1, \$2.30
0.09", 6.7" long, #VTF2, \$2.50
0.14", 8.1" long, #VTF3, \$3.60



ELECTRONIC SCREWDRIVER SETS

Ideal for TV sets, communication instruments, optical instruments, cameras, computers, VCRs, telephones, etc.



Slotted: 0.08" x 1.6", 0.10" x 1.6", 0.12" x 1.6", 0.14" x 1.6".
Phillips: PH#00x1.6", PH#0x1.6", PH#1x1.6".
#VTSET13, \$4.80

Slotted: 0.12" x 1.6", 0.08" x 1.6", 0.10" x 1.6", 0.14" x 1.6", 0.16" x 1.6". Phillips: PH#00x1.6", PH#0x1.6", PH#1x1.6", PH#2x1.6". Torx: #T6x1.6", #T8x1.6", #T9x1.6", #T10x1.6", #T15x1.6", #T20x1.6". 4.7" long. #VTSET15, \$11.99

Chrome vanadium steel blade, satin finish. Lengths: 4 x 6 1/2" and 11 x 4 3/4".

Torx: #T6, #T7, #T8, #T9, #T10, #T15, #T20. Slotted: 0.08", 0.10", 0.12", 0.16". Phillips: PH#000, PH#00, PH#0, PH#1. #VTSET16, \$18.20



Black oxidized tips. Plastic handle with swivel-headed cap. Slotted: 0.09" x 3.0", 0.12" x 3.9", 0.16" x 5.9". Phillips: #00x3.0", #0x3.9", #1x5.9". #VTSCRSET, \$5.40

Chrome-vanadium. Fully insulated. Red plastic grip. Slotted: 0.10, 0.12, 0.14 2 Phillips. #VTSCRSET5, \$2.60

Includes voltage light tester (110-500V). Slotted: 0.24" x 5.9", 0.20" x 4.9", 0.16" x 3.9", 0.16" x 3.7", 0.10" x 3.0". Phillips: PH#0, PH#1, PH#2. #VTSCRSET1, \$5.20

Includes voltage tester with neon indicator (230-250V). Fully insulated (1000V). Slotted: 0.16" x 3.9", 0.22" x 4.9", 0.26" x 5.9". Phillips: PH#0x3.0", PH#1x3.9". #VTSCRSET7, \$9.60

Tweezers

SET OF 4 TWEEZERS. Anti-magnetic stainless steel. 1 x bent nose, 1 x flat spade, 1 x self-closing and 1 x normal. 5.3" long. New, #VTTWSET, \$2.50

SET OF 4 TWEEZERS - NON-CONDUCTIVE. 5.3" long. New, #VTTWSET2, \$3.00



SECURITY SCREWDRIVER SETS



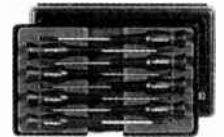
Contents - 1 x quality handle. 6 x inch socket: 5/64" x 105, 3/32" x 105, 7/64" x 105, 1/8" x 105, 9/64" x 105, 5/32" x 105. 6 x metric socket: 2.0x105, 2.5x105, 3.0x105, 4.0x105, 5.0x105, 6.0x105. 4 x tri-wing: #1x105, #2x105, #3x105, #4x105. 1 x cross: PH2x105. 1 x flat: 2.0x105. Comes in a plastic case. #VTBT7, \$33.95

Contents - 1 x quality handle. 7 x torx: T8x105, T10x105, T15x105, T20x105, T25x105, T27x105, T30x105. 3 x four-wing: 6x105, 8x105, 10x105. 4 x U-shape: 4x105, 6x105, 8x105, 10x105. 1 x cross: PH0x105. 1 x flat: 3.0x105. #VTBT8, \$29.95

PRECISION SCREWDRIVERS (MICROTIP)

Special handle with swivel cap. Black tip, chrome-molybdenum vanadium steel. Features - ROTATING HEAD: to facilitate support and rotation control. HANDLE: varying diameter for flexible grip position and torque high impact resistance, cadmium-free material, easy to recycle. TAPERED GROOVE: for better grip and faster rotation. BLADE: made of high-quality alloy chrome-vanadium steel, heat-treated. BLACK TIP: for high precision, protection from corrosion. COLOR CODED: for quick size selection. METAL BALL: for easier operation.

Slotted: 0.08" x 2.9", 0.10" x 2.9", 0.12" x 2.9", 0.14" x 2.9", 0.16" x 2.9". Phillips: PH#0-0x2.9", PH#0x2.9", PH#1x2.9". #VTSET11, \$26.99

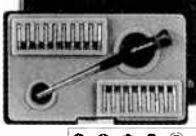


Torx: #T5x1.6", #T6x1.6", #T7x1.6", #T8x1.6", #T9x2.9", #T10x2.9", #T15x2.9", #T20x2.9". #VTSET12, \$26.99

SET OF 2 PLIERS, TWEEZERS AND 8 SCREWDRIVERS (MICROTIP). 4" long nose pliers. 4" diagonal pliers. 4.9" tweezers. Slotted: 0.05" x 1.6", 0.06" x 1.6", 0.07" x 1.6", 0.08" x 1.6", 0.09" x 1.6". Phillips: PH#000, PH#00, PH#0. #VTSET14, \$49.95



ELECTRONICS BIT SET (19PCS) WITH SCREWDRIVER (MICROTIP). 20-pc precision bit set. Phillips: PH#0-0, PH#0. Slotted: 0.08", 0.10", 0.12", 0.16". Torx: #T6, #T7, #T8, #T9, #T10. Hex: 0.06", 0.08", 0.10". Ball: 0.06", 0.08", 0.10". Pozzi: PZ#0-0, PZ#0. #VTSET9, \$26.99



TOOL SET. Ideal for TV sets, communication instruments, optical instruments, cameras, computers, VCRs, telephones, etc.

Swivel-headed cap. Black oxidized tips for greater durability and accuracy. **PRECISION SCREWDRIVERS - Phillips:** PH#1-1, PH#1-2, PH#0, PH#0-2. socket: 0.12", 0.16", 0.20". Hex: 0.06", 0.08", 0.10". Slotted: 0.04", 0.06", 0.08", 0.09", 0.12", 0.15". #VTSET5, \$4.50



10-PC SCREWDRIVER SET. The bitholder has a holder for bits on both sides. Comes with 10 bits: 2 x slotted, 2 x phillips, 3 x hex and 3 x torx. #VTTS2, \$3.00



PLACE YOUR ORDER OVER THE WEB AT FAIRRADIO.COM

Bit Sets



Consists of the following:
 Phillips bits: PH.0, PH.1, PH.2 (5x), PH.3; Pozzi bits: PZ.0, PZ.1, PZ.2 (5x), PZ.3; Square bits: S0, S1, S2, S3; Flat bits: 3, 4, 4.5, 5, 5.5, 6, 6.5, 7, 8mm; Antenna remover bits: 4,

6, 8, 10; Torx bits: T8, T10, T15, T20, T25, T27, T30, T40, T45; Tri-wing bits: 6, 8, 10; Torx with center bits: T8, T10, T15, T20, T25, T27, T30, T35, T40; Four-wing bits: 1, 2, 3, 4; Metric hex bits: 1.5, 2, 2.5, 3, 4, 5, 5.5, 6, 8mm; Clutch bits: 1, 2, 3; Fractional hex bits: 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4; Dodecagonal torx bits: M5, M6, M8; Metric hex with center bits: 2, 2.5, 3, 4, 5, 6mm; Fractional hex with centre bits: 5/32, 9/64, 1/8, 7/64, 3/32, 5/64; 1 wing nut driver; 4 extension bits - socket bit holder 1 pc, magnetic bit holder 1 pc, 1/4" sq. x 1/4" x 2" extension 1 pc, 1/4" sq. x 1/4" x 1" extension 1 pc. #VTBT11, New, \$11.80

SECURITY BIT SET / 33 PCS.

Contents - Torx: #T8, T10, T15, T20, T25, T27, T30, T35, T40. Hex: #5/64", 3/32", 7/64", 1/8", 9/64", 5/32". Hex: #2, 2.5, 3, 4, 5, 6. Tri-wing: #1, 2, 3, 4. Fork: #4, 6, 8, 10. Four-wing: #6, 8, 10. Magnetic bit holder: 1/4" hex. #VTBT5, New, \$8.40



BIT SET / 33 PCS. Contents - Hex: #2, 2.5, 3, 4, 5, 6. Torx: #T10, T15, T20, T25, T30, T40. Slotted: 3, 4, 5, 6, 7. Phillips: 1 x PH0, 2 x PH1, 3 x PH2, 2 x PH3. Pozzi: 2 x PZ1, 3 x PZ2, 2 x PZ3. Magnetic bit holder: 1/4" hex. #VTBT6, New, \$4.80

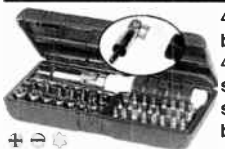
1/4" hex. #VTBT6, New, \$4.80

- M5, M6, M8
- 0, 1, 2
- C1, C2, C3
- Wing nut driver
- 1/8", 3/16"
- 6, 8, 10
- 2mm X 2mm X 2mm
- PZ0, PZ1, PZ2
- S0, S1, S2, S3
- 4, 6, 8, 10, 12
- 1, 2, 3, 4, 5

- T-5, T-5, T-6, T-7, T-8, T-10, T-15, T-20, T-25, T-27, T-30, T-40
- 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 5/64", 3/32", 7/64", 1/8", 9/64", 5/32"

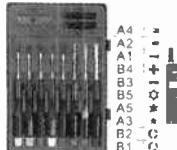
1 Piece 1/4" x 60mm magnetic bits holder, 1 Piece bits holder socket, 1 Piece socket adapter, 1 Piece ratchet screwdriver. New, #800-081, \$20.99

Tool Kits



41-PC TOOLSET. Head can be set at an angle of 0°, 45° or 90°. 38 bits: 14 hex sockets, 16 torx bits, 3 slotted, 3 philips and 2 S-bits. With plastic carrying case. #VTTSS3, New, \$10.20

UNIVERSAL CELLULAR PHONE TOOL KIT. Screwdrivers: U-shaped, curved, needle tip, 1 x philips, 1 x slotted, 3 x torx and 2 antenna removers. With colored swivel caps. #VTSET8, New, \$9.60



NTE Solder Gun



NTE Solder Gun, 100 watts heats up to 750F in 25 seconds; 140 watts heats up to 950F in 40 seconds. Large dual heat trigger switch for low/high watt. Temperature control. Long-reach tip and sturdy heating element connectors. Pre-focused light. 6 foot, 2 wire cord. #J-100, New, \$29.99

Two pack of nickel plated copper replacement tips for J-100 solder gun, #JT-104, \$3.87

ECG Soldering Irons

Electric Corded Soldering Irons. Each of the soldering irons listed below feature a long life tip (nickel-iron plated copper) and a cool grip rubber handle.



25 Watt - Tip temperature 464F, #J-025, \$8.83
 Replacement conical tip for J-025 (nickel plated copper); 2 tips/package. #JT-101, \$1.57

60 Watt - Tip temperature 860F, #J-060, \$11.97
 Replacement conical tip for J-060 (nickel plated copper); 2 tips/package. #JT-102, \$3.99



Electric Corded De-Soldering Irons, 45 watt, Temperature 788F, Long life tip. #J-045-DS, \$16.33

Butane Torch Micro-Jet. Features the following: Auto ignition, Child safety lock, Instant 2500F micro flame, Powered by a refillable butane cartridge (included).



Two pack butane replacement cartridge for J-300. #JT-004, \$2.49

Kester Solder Supplies

Pocket Pak .031 Dia. 0.5 oz. #83-4000-0000, \$3.48
 Elec. Silver Solder, Box 0.35 oz. #83-7145-0415, \$3.75
 Kwik-Draw .050 Dia. 1.3 oz. #83-3000-0000, \$4.98

50 watt Solder Station



Soldering Station 50 watt 374-896F, Manual temperature setting, Electronic temperature control, Power-on LED indication, With ground output, Heater power for soldering

iron is 50 watt. Requires 115VAC 60Hz. 7 1/4" x 3 31/32" x 3 1/2", 4 lbs sh. New, #VTSS5U, \$23.99; Spare bit, #BITS5, \$1.30

Soldering Station with LCD & Ceramic Heater 48W 150 - 450C, Manual temperature setting. LCD display with digital temperature scale. Temperature preset on LCD display. With on/off switch.



Ceramic heating element with temperature sensor. Standard tip included. Maximum heater power for soldering iron is 48W. Temperature range: 302 - 842F. Low-voltage iron: 24VAC. 7.3" x 4" x 6.7", New, #VTSS40NU, \$89.95
 Spare Bit for above: #VTSS40N/SPB, \$1.80

Soldering Tools



"Helping Hands" Soldering Aid with magnifier. Table top, weighted base. Multi-dimensional adjustment capability. Alligator style clips for holding subject work. #VTTH, \$5.60

6 Pc. Soldering Aid Set. 6 Double-ended picks and brushes. #VTSA, \$8.40



POWERFUL DESOLDERING PUMP. Teflon-nozzle. 10.8" long. #VTD1, \$3.80

EXTRA-POWERFUL DESOLDERING PUMP. Teflon-nozzle. 13.2" long. #VTD2, \$3.40

DESOLDERING PUMP WITH ANTISTATIC TIP. 7.5" long. #VTD3, \$6.80
 Spare bit, #BITVTD3, \$3.20

H.Q. DESOLDERING PUMP. Aluminum body. 6.4" long. #VTD5, \$5.60; Spare bit, #BITVTD5, \$1.60



ECONOMIC SOLDERING IRON STAND. With cleaning sponge. #STANDLC, \$3.40

Radiosondes

VAISALA RADIOSONDE, ultra-light disposable transmitter (400 MHz approx) is designed to be carried aloft by weather balloon and transmit data for air temperature, barometric pressure and humidity to a ground station. Consists of circuit board, dipole antenna, and trailing wire. Requires 9 V battery. Cute experimenter item! 12.5"H as shown; 3 lbs sh. #RS80, NEW, \$12 ea; 5/\$50.00

Radiosonde mfg by VIZ, transmits on 403 MHz RDF modulated signal; includes battery and separate antenna assy, transducer polishing cloth, baroswitch pressure calibration chart, and instructions. 4.8 x 3.8 x 12.3, 4 lbs sh. #ML659, Unused, \$14.95

AMT-4 Radiosonde Modulator originally was raised by a balloon into the sky to measure atmospheric conditions. Comes w/ barometric unit only. Atmospheric pressure range 1060 to 5 mb(millibars) Resistive temperature element temperature +60 to -90 d C. With schematic. #MD-147, Unused, \$10.95

Newer version of above. No data, but expect the ranges to be about the same. #MD-210, Unused, \$10
 Original manual AMT-4A. #MM-AMT-4A, \$18.00


Motorized Lens

MINOLTA MOTORIZED LENS, focal length 3 mm with 6 mm zoom assembly; probably used in copy machine. Front coated lens diameter 60 mm; rear 15 mm. Focus and zoom mechanism each has small DC gear motor which operates at about 30 RPM @ 5 VDC or 60 RPM @ 10 VDC. 5.5x5.5, 3 lbs sh. #LENS-36-98, Unused, \$23.00; 3 / \$60.00




MANY ITEMS NOT LISTED - TELL US YOUR NEEDS

Peltier Device

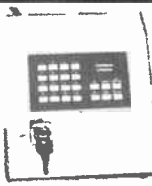
 PELTIER THERMO-ELECTRIC COOLING MODULE 3A 15.4V 149F. Melcor type: CP1.0-127-06L. I max.: 3A. Delta T max.: 65°C. Voltage: 15.4V. Q max.: 25.7W. Number of couples: 127. Size: 1.2" x 1.2" x 0.14". 1 lb sh. #PELTIER1, New, \$16.00

 PELTIER THERMO-ELECTRIC COOLING MODULE 6A 15.4V 153F. I max.: 6.0A. Delta T max.: 67°C. Voltage: 15.4V. Q max.: 51.4W. Number of couples: 127. Size: 1.6" x 1.6" x 0.15". 1 lb sh. #PELTIER2, New, \$16.40


Dehumidifier Control

 HONEYWELL DEHUMIDIFIER CONTROL as used in home dehumidifiers. Plastic element tape senses humidity and "opens" normally-closed 120 VAC contacts; has variable control. 1.8x4.5x1, 1 lb. #H46A1103, unused, \$3.50


X-10 Controller

 Leviton Manual Controller. Used to control light and appliance modules. Compatible with Radio Shack and Home Safe remote devices. Can control 256 "X10" device codes. Unit has 16 Unit Code Buttons. Also, has 6 Command Keys: On, Off, Bright, Dim, All Lights On, and All Off. The controller is equipped with a key-operated lock-out switch that can be set in the "ON" or "OFF" position. The controller will transmit command signals to modules in your control system only if this switch is keyed to the "ON" position. Key pad mounted in sturdy steel case. Requires 120VAC 60Hz. 8.3x6.7x4.5, 7 lbs sh. #X10-6242, Unused, \$12.00 ea, 2 / \$21.00, 4 / \$37.00


Weaver D6 Scope

 Quality 6 power scope fits common rifle mounts. Unfortunately scope is without cross-hair. Still a nice low-cost spotting scope! 12.3" long, 2lbs. #SCOPE-D6-U, Used, \$7; #SCOPE-D6-UN, Unused, \$14

Grab Box


 ASSORTMENT of used and unused commercial and government electronics parts such as assemblies, motors, coils, transformers, chokes, circuit boards, capacitors, resistors, and other usable items. Packed in 50 lbs cartons: #GRAB-ASST, \$14.00 ea; 2 / \$24.00 Allow for shipping charges!!

Matched Meters & Rheostats


 "Loaded" with prime "clean" parts for DC power projects! Panel includes:

- * 0-30 VDC METER.
- * 0-30 DC AMMETER.
- * 4 ea 50 MV SHUNTS.
- * 4 RHEOSTATS: 2 ea 225 W 3 ohms, 2 ea 150 W 2 ohms. * 12 Circuit Breakers: 4 ea 32 VDC 8 amps 8 ea 32 VDC 20 amp. * 12 ea 1N1184 DIODES.
- * 4 ea 2.4" dia KNOBS and other parts. Panel is sold "less its On-Off and 4 STA selector switch. 18.8x23x6, 30 lb. #DAV-LCP, 2 for \$75.00 Manual Repro for above, #MM-DAV, \$12.00


Ring Magnet

 3.5" dia x 5/16" thick MAGNET with 1.9" dia open inner circle lifts about 8 lbs. 5" dia metal casing has mount flange to protect and isolate magnet; two wires attach to spring-loaded contacts. Use as magnetic antenna mount or in robotic, audio or science projects; 2 lb #MAG-S91, \$3.50; 7/\$12.00


Electronic Ignitor

 Fenwal Automatic Electronic Ignitor. Input 12 VDC. This looks like an ignitor for an oil furnace as it puts out a HV spark. Maybe neat for experiments. BE CAREFUL. 5.25 x 4.75 x 3 overall. 3 lbs sh. #05-159901-003, Unused, \$16.95


Finger Stock

 18" long x 1/2" ht strips of finger stock. Each individual finger has a width of 1/15" and a ht of 5/16". #FS-18, Unused, \$7.95 ea; 3 / \$20.00

Experimenter's Paradise

 Motorola Control Receiver???? Great experimenter item. We have seen them in the past in some cities at intersections and believe their purpose was to intercept traffic signals when emergency vehicles needed to pass. Transistorized receiver covers 139.65 MHz with a five section pre-selector, crystal controlled oscillator and Vibrasponder tone detector which allows a SPST relay to be actuated by a tone in 600 to 800 Hz range. SPECIFY if tone-match required. Receiver is housed in a plastic protective case. Power required 24 VAC. Has internal transformer and power supply. 7.2" dia. x 6" Ht, 5 lbs sh. #15D82032, \$8.95 each 4 for \$29.95 #SCH-15D82032, Schematic Info, \$8.50


Control Receiver

 Scientific Atlanta Power Control Receiver Model DCU-1051B-01-00-S Series DCU-G-1530. Originally used by power companies to allow radio control of power usage. The units have receivers in the 150 mhz range as well as a 6 VDC contactor rated for 240 VAC 30A resistive. They are programmable and will work on the General Electric code format and/or the SA-105. Power transformer 240 VAC secondary approx 6 Vac. The weather resistant plastic case with gasket and snap closure is excellent for outdoor projects. Has molded on wall mounting brackets. Internal dimensions 9.5x7.4x3, 5 lbs sh. #DCU-1051B, Unused \$17.00 each; 3/\$38.00

Military Flashlight

 MX-991/U FLASHLIGHT official rugged right angle military type made in USA. Operate from two "D" cell batteries (not included). Clear diffuser, red signal, and blue spare lenses store in handle; metal belt clip. O.D. green plastic; current issue, 8.3"Lx2" dia. #MX-991, New, \$10.50

Choke Cable

 Six foot choke cable with knob with 2 inch pull. 2 lbs shipping. #CHEX-CBL, \$6.00


Neoprene Gloves

 Stanzol Knit-Lined Neoprene Gloves. Multi-purpose chemical, abrasion and temperature resistant liquid-proof hand protection with durability and flexibility. Soft interlock knit lining insulates from heat and cold, absorbs perspiration, and provides easy on/off. Neoprene coating resists a broad range of chemicals. Non-slip "roughed" grip. Mfg by MAPA Professional. New, \$5.25 pair; 4 pair for \$14.00


Please specify model number when ordering. Sizes available:

Small: #S-432; Medium: #M-420
Large: #L-408; Extra Large: #XL-348


Teletypewriter

 AN/UGC-129 Tactical Teletypewriter, full duplex teletypewriter has 16K RAM and QWERTY keyboard with Edit, Mode Select, and Memory. Printer speed 120 CPS; 69-80 character line, single or double line feed. 64-character ASCII subset; ITA5 or Baudot codes. 8 baud rates 45.5 to 2400. Uses paper rolls 216 mm W x 127 mm dia friction feed, single or multi-copy. Requires 115/230 VAC 47-400 Hz; connectors not available. 9.5x15 x18.5, 52 lbs. #UGC-129, Used repairable, \$59.50
Manual repro f/ later model (useful), #MM-UGC-129, \$40 w/ set

Hydrophone


 U S Navy NT-51038 Hydrophone, unused in wood box. Frequency range 1 - 20000 hz with eight Rochelle Salt Crystal doublets, each about 3 x 2 x 1 inch. Matching transformer for 25 ohm output. Rubber casing with castor oil immersed crystals approx 56 inches by 2.5 inches in diameter. The castor oil was used to couple the crystals to the water. Castor oil has deteriorated. Nine foot cable with two steel strain wires and two signal wires. A great experimenter item with a potential for listening to fish ???, boats, ships etc. Unused old stock in wood box. 29 lbs sh. #NT-51038, \$25.00

Aircraft Gyros

 LEAR 3-AXIS RATE SENSOR with three #2157HB rate gyros; 3.4x6.4x6, 9 lbs sh. Lear mfg. #2162C, \$200.00

Metal Detectors

 Metal Detector with Audio Discriminator. Hunt for coins, relics, jewelry, gold and silver just about anywhere. 3-tone audio discriminator. Headphones output. VU-meter. Waterproof search head (8" y). Adjustable stem. Requires three 9V-battery (not included). Drop shipped from Texas. #CS150, List Price, \$147.40; Our Price, \$102.95

 Metal Detector with LCD Display. 7.9" waterproof search head. Large LCD display. Target ID. Depth readout. Sensitivity control. Variable discrimination. Variable notch. 3-tone audio discrimination. Low-battery indicator. 1/8" headphone jack. Requires two 9V-battery (not included). Drop shipped from Texas. #CS200, List Price, \$277.40; Our Price, \$178.69

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Ritchie Compass



Ritchie Compass RU-90 has 5 degree increments. High-visibility blue 3" dial with extra large numerals. Flush mount sailboat racing style. Has 45° lubber lines and internal gimbals. Black in color. 4 lbs sh. #RU-90, Unused \$150.00

Aircraft Sextant

Sextant w/ periscope used in larger military aircraft to determine nightflight position relative to the stars. Has eyepiece with cup to view through right angle periscope with bubble level. Controls increase bubble size and adjust lens diffuser plus filters red, green & polarized. Also mechanical timer, 3-digit 100-turn counter dial, & transit case. Requires 28 V AC-DC for lights; 8"Wx13"Hx5.3"D, 23 lb #MS28011-1F, used w/ fiberglass case, \$69.50
#MS28011-NB, used, no case, no bubble, \$35.95



Gun Sight

Military Optical Gun Sight. No information on this sight. No part numbers. It has a 4 inch lens that looks like it fits into a fixture. Eyepiece with focus ring, but because this is not a complete system we are unable to focus on anything. See fairradio.com/optic.htm for more photos. 10.5x10.9x7, 25 lbs sh. #GUN-S, Used good condition. \$99.00



60 Second Timer

RHODES 60 SEC TIMER, times from 2 to 60 seconds; bell signals time elapsed. 3" dia plastic case; 1 lb. sh. #53414 Unused \$3.00 each.



TV / FM Attenuator

75 ohm TV/FM Attenuator by Blonder Tongue Labs stock #4890 0-890MHz with two F connectors and adjustment for attenuation. #4890, Used, \$10.00



Clock Mechanism

Quartz Clock Mechanism, for your self-made clock or as a replacement for a damaged clock. With suspension clip. Requires one AA-battery (not incl.). 2.2" x 2.2" x 0.6", #WCM1, \$1.60



Quartz Clock Mechanism with Alarm Function, Integrated buzzer with on/off switch. Comes with a set of clock hands. Requires one AA-battery (not incl.). 2.2" x 2.0", #WCM2, \$6.40



Cable Modems

Cable modems removed from service, no info. Made by Hybrid Networks. May be pulls or defective pulls, we do not know. Each has what looks like tuner module and crystal oscillator. Includes wall power supply.
#CCM201, \$7.50; #N-202X, \$8



ZOOM 56K EXTERNAL PHONE MODEM w/ wall power supply #2386, \$4.00



Test Equipment Blow Out!!

All test equipment listed below is used reparable

AIL 777 UNIVERSAL RADIOMETER \$150.00
ALLISON LABS HP LO FILTER \$175.00
AUSTRON 6014 FREQUENCY MULTIPLIER \$175.00
BALLENTINE 323 TRUE RMS AC VOLTMETER \$65.00
BELL&HOWELL TSC-2000 SYSTEM CALIBRATOR \$395
BERTAN 205A-10 10 KV POWER SUPPLY \$240.00
BERTAN 210-05R 5 KV POWER SUPPLY \$240.00
BIRD 5755 5KW 50 Ohm load for hardline \$250.00
BOONTON 74D CAPACITANCE BRIDGE \$150.00
BOONTON 75A-58 CAPACITANCE BRIDGE \$150.00
BOONTON 76A 1 mhz AUTOMATIC CAPACITANCE BRIDGE \$395.00
BOONTON 92AD RF MILLIVOLT less probe \$45.00
BOONTON 93A-D TRUE RMS VOLTMETER \$45.00
BOONTON 230 SIGNAL GENERATOR POWER AMPLIFIER \$175.00
Collins 476H-1 Test Set \$275.00
Collins 478H-1 Test Set & Collins 413F-1 Power Sup, \$275
COLLINS 618M-1 Transceiver \$125.00
Collins 7034-AD4 Test Generator \$250.00
CONFERENCE BRIDGE TELEPHONE TA-1008/TSC-62 \$225
CURRY MCLAUGHLIN & LEN SMS-1 \$175.00
CUSHMAN CE-21 FREQ SELECTIVE LEVER MTR \$175
CYBERMASTER DOWNSTREAM 2000 CMD200 \$65
DATA 1/0 SYSTEM 19 EPROM PROGRAMMER \$250
Data Check 8300A-W Flutter Meter \$150.00
Data Check 8300B-W Flutter Meter \$175.00
Daytronic 300D transducer amplifier indicator, w/ type V 10 volt output module, type71 high sensitivity transformer input module \$125.00
DOVETRON MPC1000 RTTY \$95.00
EATON NM-67 EMI FIELD INTENSITY MTR 1-18Ghz\$1400
EDC 501 PROGRAMMABLE VOLTAGE STANDARDS75
EG&G PARC 113 Preamp, \$125.00
Electrac 220R Tracking Filter \$75.00
Electrac 415A Phase Lock Demodulator Multiplier \$145
ELECTRO METRICS SPD-125 SPECTRUM DISPLAY w/PP125 and Dumont 74-14 TIME BASE \$150.00
EXACT 506 Sweep Function Generator, \$125.00
FEL 133A Phase Lock Synth, \$195.00
FLUKE 332A DC VOLTAGE STANDARD \$450.00
FLUKE 332D/AB VOLTAGE STANDARD \$495.00
FLUKE 343A DC Volt Calibrator \$195.00
FLUKE 405AB HIGH VOLTAGE POWER SUPPLY \$295.
FLUKE 760A Meter Calibrator \$325.00
FLUKE 893A AC DC DIFFERENTIAL VM \$50.00
FLUKE 2201 SCANNER \$50.00
FLUKE 5200A PROGRAMMABLE AC CALIBRATOR \$300
FLUKE 6039 Freq. Synth. \$325.00
FLUKE 7600A SCANNER \$50.00
Freed 1620A Megohmmeter \$325.00
Freed 1620R Megohmmeter \$325.00
GEORSPACK VLF-12 Receiver Phase Comparator,\$150
Gertsch 480 AC DC Ratio Standard, \$195.00
Gertsch RT-9 Ratio Transformer \$150.00
GERTSCH Synchro Standard SS-2A \$150.00
GR1211C Unit Oscillator 0.5 - 50 Mhz \$50.00
GR 1215C 50 - 500 Mhz Oscillator \$65.00
GR1218B 900 - 2000 Ghz Oscillator \$75.00
GR 1232 TUNED AMPLIFIER NULL DETECTOR \$65.
GR 1264B Modulating Power Supply 200-300VDC 50mA 6.5VDC 1A \$150.00
GR 1310 A 2-2mhz OSCILLATOR \$50.00
GR 1362 220 - 920 Mhz Oscillator \$65.00
GR 1396B TONE BURST GENERATOR \$125.00
GR1432K Decade Resistor 1111 ohms \$125.00
GR1432L Decade Resistor \$125.00
GR1432N Decade Resistor 11111 \$125.00
GR1432Q Decade Resistor 11100 \$125.00
GR1433 Decade Resistor 99999 \$125.00
GR1450 Decade Attenuator \$95.00
GR1454A Decade Voltage Divider \$95.00
GR1632A Inductance Bridge, \$175.00
GR 1651A BOLOMETER BRIDGE \$75.00
GUILDLINE 9120 POTENTIOMETER, \$400.00
GUILDLINE 9160G POTENTIOMETER, \$299.00
GUILDLINE 9577 PRECISION DIGITAL VOLTMETER,\$500
GUILDLINE 9719 VOLT RATIO BOX \$150.00
HARRIS 9100 Facility Control \$69.50
HP-201C OSCILLATOR, \$85.00
HP-214A PULSE GENERATOR \$150.00
HP-400E, ANALOG AC VOLTMETER, \$69.50
HP-400GL ANALOG AC VOLTMETER, \$95.00
HP-431C POWER METER \$75.00
HP-1206B OSCILLOSCOPE \$150.00
HP-2590B MICROWAVE CONVERTER \$125.00
HP-3310A FUCTION GEN \$125.00
HP-3336B SYNTH-LEVEL GENERATOR \$395.00
HP-3437A SYSTEM VOLTMETER \$100.00
HP3476B Digital Multimeter \$250.00
HP 3490A Multimeter, \$150.00
HP-3495A SCANNER \$95.00
HP-3575A GAIN PHASE METER \$375.00
HP-3710A IF 1BB TRANSMITTER \$125.00
HP-4204A 10HZ-10MHZ Digital OSCILLATOR \$250.00
HP-4437A ATTENUATOR \$99.00
HP-4815A VECTOR IMPEDANCE MTR NO PROBE \$295
HP-5036 Microprocessor Lab in case \$175.00
HP 5110B Synthesizer Driver, \$85.00
HP-5180A WAVEFORM RECORDER \$450.00
HP 5300B measuring system counter \$100.00
HP-5315B 100 Mhz Universal Counter \$175.00
HP 6522 HV Power Supply 2000 V 10 MA \$395.00
HP-8056A FILTER SET \$295.00
HP-8402B CALIBRATOR \$75.00
HP-8614A SIGNAL GEN 8-2.4GHZ \$250.00
HP-8616A SIGNAL GEN 1.8-4.5GHZ \$275.00
HP-8690B Sweep Oscillator less plug in \$95.00
HP-8708A Synchronizer \$125.00
HP 8743B Reflection Transmission Test Set 2-12.4 GHz \$195
HP-8900B PEAK POWER CALIBRATOR \$95.00
HP-37461 MONITOR DISPLAY \$150.00
HP-54600A OSCILLOSCOPE \$450.00
HONEYWELL Portable Potentiometer Rubicon \$65.
HONEYWELL 1630 KELVIN DOUBLE RATIO BRIDGES\$250
CULLINS STX-151 Microwave Transmitter \$295.00
KEPCO 1500 VDC 10 Ma Power Supply \$85.00
KROHN-HITE 330NR 2-20KC BANDPASS FILTER \$95
KRON HITE 4141R Oscillator \$200.00
L&N 2665 AYRTON SHUNT \$95.00
L&N 4232 GUARDED WHEATSTONE BRIDGE \$100
L&N 4385 SHUNT BOX \$75.00
L&N 4735 Wheatstone Bridge \$175.00
L&N 4737 GUARDED WHEATSTONE BRIDGE \$225
L&N 7553-5 K-3 UNIVERSAL POTENTIOMETER \$195
L&N 7592 VOLT BOX \$95.00
L&N 8687 Volt Potentiometer \$125.00
L&N 8690-2 Millivolt Potentiometer \$99.50
L&N 8691-2 MILLIVOLT POTENTIOMETER \$150.00
L&N 8692 TEMPERATURE POTENTIOMETER \$150.
L&N 8693-2 TEMPERATURE POTENTIOMETER \$150
L&N 1087722.10000 OHM VOLTAGE DIVIDER \$125
L&N ABS 100000 Ohm Voltage Divider \$150.00
MARCONI TWELVE CHANNEL FM7816 \$125.00
MB 2250MA POWER AMP \$125.00
Mil ARM-41 / ARC-58 Radio Test Set \$295.00
MIL C10196/USM-430 DISPLAY \$475.00
Mil OA-1378/GRC TRC-27 4.4-5Ghz Dish Antenna and 20 ft Mast Kit \$295.00
Mil TS-419 Signal Generator 850-2100 MHZ \$165
Mil TS-488 X BAND ECHO BOX \$250.00
Mil TS-1775 RELAY TEST SET \$45.00
Mil TS-2585 / AN/ARM-113 Radio Test Set \$325.
Mil TS-2669 Envelope Delay Distortion Measuring \$175
MIL UPM-137 IFF TEST SET \$699.00
MIL USM-144/CM212 \$125.00
MONROE ISO Probe 144S-4 Electrostatic Voltmeter 144S-4, \$295.00
NH RESEARCH 57220 2 Phase Power Source \$125.
NH RESEARCH SF2276 2 PHASE SINE WAVE WHEEL SUPPLY \$200.00
NORLIN A1007-1 RF Amplifier \$155.00
NORTH ATLANTIC 214C Phase Angle \$395.00
NORTH ATLANTIC 225 Phase Angle \$275.00
NORTH ATLANTIC VM-204 Phase Angle Voltmeter,\$150
PHILCO 128A 128A-ATT-2 Attenuator ratio transformer \$125.00
POLARAD VECTOR ANALYZER ZPV \$750.00
PRECISION CALIBRATION KIT WR137 5.85-8.20GHZ C340A1 C344A C301 6625-00-318-5425 \$400.00
ROCKLAND 852 Dual H/LO FILTER \$395.00
Rockland 5100 Remotely Programmable Freq Synth\$295
Rockwell 7303A-40 Test Signal Generator VFO \$195
SIGMA 4500 Relay Test Set \$45.00
SINGER GERTSCH RT-9 Ratio Transformer \$250.00
SINGER STODDARD NM-17/27 EMI FIELD INTENSITY METER \$995.00
SUNAIR GSB-900RU RECEIVER NO CONTROL \$495
SYSTEMS RESEARCH LABS SRL 259F High Pass Low Pass filter \$175.00
TEK 172 Test Fixture \$150.00
TEK 434 STORAGE OSCILLOSCOPE \$225.00
TEK 520 Vector NTSC Scope \$195.00
TEK 575 TRANSISTOR CURVE TRACER \$295.00
TEK 606A MONITOR DISPLAY \$145.00
TEK TSG3 PLUG-IN'S FOR TEK 1410 \$150.00
TELEMET Demodulator 4501 \$75.00
TEXSCAN RS-50 SWEEP GEN 0-500 MHZ \$175.00
TEXSCAN VS-50 SWEEP GEN 0-500 MHZ \$175.00
TRACOR 599 Tracking Receiver 599-303 AGC Phase 599-204 Receiver 599-502 Power Supply \$495.00
VTM/XDCR STE/ICE-R Vehicle Test Kit \$595.00
WATKINS JOHNSON FDM DEMODULATOR \$395.00
WAVETEK 143 20 MHZ FUNCTION GEN. \$99.00
WAVETEK 157 PROGRAMMABLE WAVEFORM SYNTHESIZER \$225.00
WAVETEK 159 FUNCTION GENERATOR \$375.00
WAVETEK 180 SWEEP FUNCTION GEN \$150.00
WAVETEK 182 Function Gen Sine Square Triangel \$75
WAVETEK 187 4MHZ PULSE GENERATOR \$99.00
WAVETEK 278 Function Generator \$325.00
Wavetek 430 Transmission Multimeter \$99.00
WAVETEK 750 Phase Meter 10HZ- 2MHZ \$395.00
Wavetek 1018B Log/Lin RF Peak Power Meter \$595
WEST INSTRUMENTS 9B Pyrotest, \$125.00

MANY ITEMS NOT LISTED - TELL US YOUR NEEDS

500 MHz H-P Counter



HP-5345A ELECTRONIC COUNTER, solid-state 9-digit plug-in type measures DC to 500 MHz channels A & B

without any plug-in. Function Select: Plug-In, Freq A, Period A, Time Int A to B, Ratio B/A, Start Stop. Channel controls 50 or 1 M ohm input, x1/x10 Atten, AC-DC, and Level. Requires 100/120/220/240 VAC 48-66 Hz; 5.3x 16.8x19.5, 42 lb sh. #HP-5345A, Used-reparable, \$295.00

HP-5328A ELECTRONIC COUNTER



HP-5328A ELECTRONIC COUNTER, solid-state modular design; counts upto 512 MHz on 9-digit LED display. 10 MHz reference oscillator, input for external freq-standard. Universal 100 MHz Module controls Channels A & B functions LEVEL, AC-DC select, ATTN 1-10-100, and Marker output. Sensitivity 25 MV to 40 MHz; 50 MV 40-100 MHz. Channel C module provides 5-512 MHz range, 15 MV rms sensitivity. Trigger fixed; 50 ohm impedance. With Option 011 HP-1B computer interface & manual repro. Requires 100/120/220/240 V 48-66 Hz; 3.5x 18.5x19, 28 lbs. #HP-5328A-UR, Used-Reparable, \$235.00 #HP-5328A-CH, Checked, except for HP-1 computer interface, \$525.00

18 GHz Counter



HEWLETT-PACKARD 5340A FREQUENCY COUNTER, covers 10 Hz to 18 GHz with automatic

amplitude discrimination feature allowing counter to select largest signal in 250 MHz-18 GHz spectrum. Has 8-digit display. Sensitivity -30 dBm, 10 Hz-500 MHz; -35 dBm 500 MHz-10 GHz; -25 dBm 10-18 GHz. Input impedance 50 ohms; 10 MHz crystal time base. Has Self-Check and N and BNC input connections. Requires 115/230 VAC 48-66 Hz; 3.5x 16.8x18.8, 31 lbs sh. #HP-5340A, Used-Checked, \$1195.00

HP-5245L Counter

HP-5245L COUNTER, 7-digit predecessor of 5345A; measures upto 50 MHz without plug-ins. 100 mv sensitivity; gate 1 usec to 10 sec in decade steps.



Units at least "test" count. 5.3x16.8 x18.3, 34 lbs sh. #HP-5245L, Used-Reparable without plug-in, \$79.50

Manual repro, #MM-HP-5245L, \$23 w/set purchase. #HP-5253B Plug-in, 50-500MHz, \$60.00 #HP-5257A Transfer Osc. plug-in, 0.05-18 GHz, \$175

3-in-1 Lab Unit



3-in-1 Lab Unit, Multimeter, Power supply, and Soldering Iron.

DIGITAL MULTIMETER - 3 1/2 backlit LCD, Automatic polarity indication, DC voltage: 200mV to 600V in 5 steps, AC voltage: 200V and 600V, DC current: 200µA to 10A in 5 steps, Resistance: 200 ohm to 2Mohm, Diode, Transistor and Continuity Test, Data-hold function and buzzer. REGULATED POWER SUPPLY - Selectable output voltages: 3 - 4.5 - 6 - 7.5 - 9 - 12Vdc, Output current: 1.5A (2A peak), LED overload indication, Output on/off switch, Very low ripple, LED power indication. SOLDERING STATION - Low-voltage iron: 24V, Ceramic 48W heating element with temperature sensor, Temperature range: OFF - 150 - 450C, Lead-free soldering possible, Supplied w/ sponge and spare bit. Great space saver! Drop shipped from Texas. #LAB1U, List Price, \$193.40; Our Price, \$132.94

Value Priced Multimeter



MINI 3 1/2 DIGIT DMM - 19 RANGES. Automatic polarity indication. Diode and transistor (hFE) test. DC voltage: 200m/2000m/20/200/500V. AC voltage: 200/500V. DC current: 200µ/2000µ/20m/200m/10A.

Resistance: 200/2000/20k/200k/2000k. Basic accuracy: ±0.8% (±1.0% for 2000k range). Low-battery indication. With manual, test leads, and GP23GA 12V battery. #DVM810, New, \$6.80

20 Range Multimeter

3 1/2 DIGIT DMM - 20 RANGES - 10A - TRANSISTOR TEST.

Automatic polarity function low-battery indication.

Transistor and diode test. DC voltage: 200m/2/20/200/1000V. AC voltage: 200/750V. DC current: 200µ/2m/20m/200m/10A.

Resistance: 200/2000/20k/200k/2000k. Basic accuracy: ±0.8%. Overload protection: 250V. Low-battery indication. 2.8" x 5.0" x 1.0" 3 lbs sh. Includes manual, test leads, and a 9V battery. #DVM830, New, \$11.80



23 Range Multimeter



3 1/2 DMM - 23 Ranges / 20A.

Has transistor, diode and audible continuity test. DC voltage: 200m/2/20/200/1000V. AC voltage: 2/20/200/750V. DC current: 200µ/2m/20m/200m/20A. AC current: 2m/20m/200m/20A. Low-battery indication. 3.3"x6.5"x1.3" 3

lbs sh. With manual, test leads, holster, and 9V battery. #DVM92, New, \$21.99

Clamp Meter

ECONOMIC DIGITAL CLAMP METER, 3 1/2 LCD display with automatic polarity indication. Data-hold function. AC current measurements: max. 1000A.

Insulation test: max. 2000Mohm. Voltage measurements: AC (max. 750V) and DC (max. 1000V). Resistance measurements: max. 20Kohm. DC voltage: 1000V. Basic accuracy: ±0.8%. Input impedance: > 9Mohm. Maximum input: 1000V. AC voltage: 750V. Basic accuracy: ±1.0%. Input impedance: > 9Mohm. Maximum input: 750V. AC current: 200/1000A. Basic accuracy: ±2.0%. Overload protection: 1200A for 60 seconds. Resistance: 200/20k (insulation test: 20M/2000M). Basic accuracy: ±1.0% (±2.0% for insulation test). Overload protection: 500V. Overrange: yes "1". Continuity buzzer: yes. Low-battery indication: yes "BAT". Requires 9V battery. Accessories: manual / test leads / battery / carrying bag. 9.1" x 1.5" x 3.5". 2 lbs sh. #DCM266L, New, \$25.60



Digital Clamp Multimeter



DIGITAL CLAMP MULTIMETER WITH DATA-HOLD AND BACKLIGHT. 3 1/2 LCD display with automatic polarity indication. Data-hold and backlight function. DC voltage: 600V. AC voltage: 600V. AC current: 2/20/200A (via transformer jaws). Resistance: 2k. Continuity

buzzer. 7.6" x 2.8" x 1.4". 3 lbs sh. Includes manual, test leads, 1 x 12V GP23A battery, carrying bag. #DCM265, New, \$69.50

Economy Multimeter



3 1/2 DMM - 10A / HOLD FUNCTION / BACKLIGHT, DMM with automatic polarity function and 3 1/2 digit LCD display. Diode, transistor and continuity test with buzzer. Data-hold function and backlight. DC voltage: 200m/2/20/200/1000V. AC voltage: 200/600V. Maximum AC/DC voltage

is 600V. DC current: 200µ/2m/20m/200m/10A. Overload protection: 10A. Resistance: 200/2k/20k/200k/2M. Requires 9V 6LR61 battery (incl.). Comes with protective holster. 2.7" x 5.4" x 1.2". #DVM850BL, New, \$15.99

Temp / Capacitance / Freq

3 1/2 DMM - 30 RANGES / 20A / TEMPERATURE / CAPACITANCE / FREQUENCY. Low-battery indication, Overload protection and automatic deactivation. Transistor,

diode and audible continuity test. DC voltage: 200m/2/20/200/1000V. AC voltage: 2/20/200/700V. DC current: 2m/20m/200m/20A. AC current: 20m/200m/20A. Resistance: 200/2k/20k/200k/2M/20M/200M. Capacitance: 2000p/20n/200n/2µ/20µF. Frequency: 20kHz. Temperature: -50C to 1000C. 3.5" x 6.7" x 1.5". 3 lbs sh. With manual, test leads, holster, 9V battery, temp. probe. #DVM890, New, \$49.95



Analog Multimeter



DC voltage 2.5/10/50/250/500V, maximum input 500V, AC voltage 10/50/500V, maximum input 500V, DC current 500µ/10m/250mA, resistance: x1 and x10 with ohm adjusting knob. Basic accuracy ± 5%. Has battery-check function, and fuse & diode protection.

Requires one AA-battery (included). Comes with manual, test leads and protective holster. 4.7" x 2.4" x 1.2", 2 lbs sh. #AVM460, \$14.40

ME-297 Multimeter

ME-297/USM-223 FET MULTIMETER measures AC-DC volts to 5000 V in sequential ranges 2.5-10-50 to 5 KV, AC-DC 1000 ohm/V or DC 20K ohm/V. Also DC current to 10 amps in full scale ranges 0.25-2.5-10-50-100-500 MA DC and 2.5-10 amps.

Resistance scales 1K1K-10K-100K-1M-10M ohms. Includes rugged plastic case, 4.5" dia FS=50 ua meter, red-black test leads and front cover. Requires 6-PXB1 1.3 V & 1-"C" batteries (not supplied). 6x7.4x8.8, 7 lb. #ME-297-UR, Used-Reparable, \$40.00; #ME-297-CH, Checked, \$65.95 Units converted so they require six double A and one C battery, #ME-297-CON, Checked, \$110.00 Manual partial repro, #MM-ME-297, \$10.00



Voltage Tester



Voltage Tester by Ideal. Tester checks for 110 to 550VAC; 110 to 600VDC; 25 to 60Hz frequency; Identifies AC or DC; Checks circuit continuity; Determines DC polarity; Finds blown fuses, grounding and leakage. Comes with the test leads featuring safety shield prod tips. 1.5x2.4x6.4, 3 lbs sh. #61-067, Unused, \$23.00

FOR ORDERING INFORMATION SEE PAGES 19

URM-120 Wattmeter



URM-120 Wattmeter measures incident & reflected RF from 10 to 500 watts over 25 to 1000 MHz. Uses two plug-in coupler elements CU-754 (25-250 MHz, 10-50-100-500 W) and CU-755 (200-1000 MHz, 10-50-100-500 W) that fit TS-1285* meter. Max-insertion VSWR 1.08 (1.05

for CU-754/755, 500 W range). Power selectable on each coupler. TS-1285* has 3.5" dia meter, 0-10-50 W scale and N conn. W/transit case & manual. 5x4.8x7.3, 20 lbs
#URM-120, (TS-1285 etc), used-reparable, \$210.00

Dummy Load

DA-189/GRC Dummy Load, portable 50 ohm unit operates over 600 to 1850 MHz range @ 40 watts max. Output indicated on 3.5" dia meter; "C" input connection. 4x4x10, 9 lb.
#DA-189, Used, \$35.00



HP-3586B Voltmeter



HP-3586B FREQUENCY SELECTIVE VOLTMETER, measures tone level, idle channel noise, weighted noise at voice & compare to carrier frequency over 50 Hz to 32.5 KHz @ 75 ohm input; voice level over 50 Hz to 100 KHz @ 600 ohms. Amplitude +20 to -130 dBm; resolution to 0.01 dBm. Option 003 measures phase jitter, noise-with-tone, signal-to-noise with tone ratio and single level impulse noise. Push-button control & entry; HP-1B programmable. NA Bell standard. Requires 100/120/220/240 VAC 48-66 Hz; 7x16.8x18.4, 62 lbs sh. #HP-3586B, Used-Reparable, \$650.00

Freq Selective Voltmeter

SIERRA 128A FREQUENCY SELECTIVE VOLTMETER for analyzing carrier signals over 10 KHz to 15.1 MHz LSB-AM-USB; utilizes all-transistor frequency lock. Could probably be used as receiver. Separate circuits for MHz and KHz tuning each with controls COARSE, FINE, CURSOR, and input TRACKING SIGNAL BNC jack. Voltmeter has ranges 30 uV to 30 V in 13 steps; DB ranges -90 to +30 DB. Select 75-135-600 ohm termination or 1 MHz calibrator; also Selectivity WIDENARROW, Main Tune LOCK-CONT, Audio GAIN, and phone jack. Requires 115 V 60 Hz or 28 VDC 220 ma. May have brown or beige front panel; 12x20x15.5, 52 lbs sh. #SIE-128A, Used-reparable w/ book, \$115.00



Vector Voltmeter



HEWLETT-PACKARD 8405A VECTOR VOLTMETER, measures both magnitude and phase over 1 to 1000 MHz in 21 overlapping bands. Also capable of determining insertion loss,

group delay of bandpass filters, complex impedance of mixers and antennas, RF distortion and in-circuit probing. Ranges: 100 uV to 1 V-rms full scale in 10 db steps. Phase: 360 degrees on 0-center meter with end scale ranges +/- 180, 60, 18 and 6 deg. Band-width: 1 KHz. Requires 115/230 VAC 50-400 Hz; 7x16.8x18.4, 36 lbs,
#HP-8405A-UR, Used Reparable w/ manual repro, \$350

URM-127 Audio Oscillator



AN/URM-127A SOLID-STATE AUDIO OSCILLATOR, 20 Hz to 200 KHz in four bands. Metered output 0-10 Vrms into 500 or 1000 ohms in 7 decade ranges. Design accuracy +/-2%; stability +/-0.5%. Requires 115 VAC 50-70/380-420 Hz. 7.5x13x4.5, 15 lbs sh. #URM-127A-UR, Used reparable, \$75.00
#URM-127A-CH, Checked, \$140.00

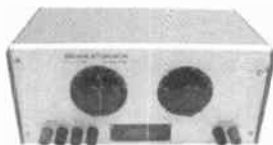
Manual repro for URM-127A, #MM-URM-127A, \$18.00
Manual repro for URM-127, #MM-URM-127, \$18.00

1K ohm Dummy Load for URM-127 & TS-382 oscillators. Has two banana jacks, two terminal posts, and a BNC female connector. #DA-35, Used, \$10.00

UG-514 Adapter Connector for URM-127 & TS-382. Has two banana jacks, two terminal posts, and a BNC female connector. 1 lbs.
#UG-514, Used, \$9.00



Audio Attenuator



The Shallco Attenuator Network is a 600 ohm impedance, decade type, unbalanced "T" circuit direct reading unit providing accurate performance in the low radio frequency spectrum, and usable over the range from 0 to 10 MHz. Accuracy +/- (.5% + .03 dB) of setting when checked at 1KHz. Unit has a range of 10 to 110dB in 1 dB steps and is equipped with 3/4" spacing 5 way binding posts. 7.5x12x5.3, 8 lbs sh. #12851-1, Unused, \$115.00

Audio Output Meter

TS-585 OUTPUT METER for audio amps, filters, oscillators. Ranges 0.1-5 mw, -10-+7 dbm; 1-50 mw, 0-+17 dbm; 10-500 mw, +10-+27 dbm; 100-5000 mw +20-+37 dbm read on 3.5" dia meter. Multiplier circuit x0.1, x1, x10, x100 allows input impedances 2.5 to 20000 ohms in 40 steps; 30-10000 Hz response. 8.5x11x5.5, 17 lbs sh. #TS-585, Used, \$79.50;



Manual, partial-reproduction, #MM-TS-585, \$10.00

Audio Test Set



MARCONI TF2005 DUAL AUDIO TEST SET, low distortion unit (designed <0.05%) consists of two 20 Hz-20 KHz oscillators, 0.1-111 dB T-attenuator and voltmeter. Output 15 dBm into 600 ohms. Attenuator balanced 75, 150, 600 ohms 1 W max; unbalanced 600 ohms. Voltmeter ranges 1.5, 5, 15, 25 V; dB ranges +10, +20, +24. Requires 115 VAC 50-60 Hz; 7x17x11, 32 lb sh. Less power cord.
#TF2005, Used Reparable with output, \$235.00

Noise Level Meter



Northeast Electronics TTS37BR Noise Level-VU Meter, 1 & 10 db/step attenuators measures level +23 to -95DBM; Noise 13 to -5 DBRN. Input impeded 900 & 600 ohm circuits balanced/ unbalanced, terminating or bridged. Sensitivity -80 DBM @ 0 DB. Has large VU-meter with scales -15 to +3 VU-DB, -5 to +13DBRN. 8.8x19x7.5, 15 lbs.
#TTS37BR, Used Reparable w/book, \$115.00

Light/Sound/Temp. DVM

3 1/2-DIGIT DMM - 20 RANGES - 10A - SOUND LEVEL / LIGHT / HUMIDITY / TEMPERATURE. Automatic polarity function. Low-battery indication. Transistor, diode test, audible continuity test. Overrange protection. Sound level measurements: 35-100dB. Light measurements: up to 20000lux. Humidity measurements: 25%-95% RH. Temperature: -20C to +1300C. DC voltage: 200mV/20/600V. AC voltage: 200/600V. DC current: 200uA/200mA/10A. Resistance: 200/2k/200k/1M. 4.8x2.4x1.6. Includes manual, test leads, and 9V battery. Drop shipped from Texas. #DVM501, New, Regular Price, 103.95; Our Price, \$82.95



Sound Level Meter



Analog Sound Level Meter, 7 sound level ranges: 50 to 126dB, A and C. Weighting: for sound analysis, fast/slow response: allows intermediate and high level measurements, with battery level indication, RCA output jack, Range: up to 126dB, Positions: 60, 70, 80, 90, 100, 110, 120dB, Load impedance: 1kohm min., Distortion: < 2% at 1kHz 0.5V, Microphone: electret condenser microphone, omnidirectional, directionality increases at higher frequencies, Precision: ± 2dB at 144dB, Weighting: A or C, Response: slow or fast, Output signal: max. 1V deviation at 1kHz for the entire range, Requires 9V battery (Incl.). Battery test: OK indication between 7 and 10.5V. 6.3" x 2.4" x 1.7", 2 lbs sh. #AVM2050, \$46.20

H-P Analyzer

HP-312B ANALYZER / FREQUENCY SELECTIVE VOLTMETER, 1 KHz to 18 MHz AM, AM AFC, BEAT, USB, LSB in 18 overlapping bands indicated on 7-digit readout. Synthesizer for tuning phase-locked in 1 MHz steps. Bandwidth 200, 1000 or 3100 Hz. Reference level -40 to +20 DBM in 10 DBM steps. Amplitude -60 to 0 DB in 10 DB steps. Impedance selectable 50, 60, 75, 124, 135, 150 or 600 ohms balanced or unbalanced. Audio output > 0.5 V rms into 10K ohm full scale deflection. Recorder output 1 V full scale deflection open circuit. Requires 115/230 VAC 50-400 Hz; 16.8x10.5 x18.8, 51 lbs. #HP-312B, Used Reparable, \$235.00



I-177 Tube Tester



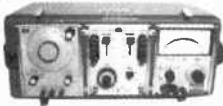
I-177 is a dynamic mutual conductance tube tester designed to provide either REPLACE-GOOD readings or mutual conductance values in micromhos. Cance of checking for Shorts, Rectifier, Gas and Noise. Requires 115VAC 60Hz.
15.4x5.5x8.1, 22 lbs sh. #I-177, Used Checked, \$225.

MX-949 Tube Socket Adapter, Provides more sockets than the I-177 allowing to test the more tubes. 10.6x8.5x3.9, 10 lbs sh. #MX-949, \$99.50

#MM-I-177, Manual for I-177, \$18.00

CHECK OUT OUR LATEST FEATURE ITEMS AT FAIRRADIO.COM

HP Carrier Test Set



HEWLETT PACKARD 3550A CARRIER TEST SET for field testing transmission line and system characteristics.

Includes solid-state 204C Oscillator, 493B Voltmeter, and 353A Patch Panel described below in transit case. Regulating batteries removed; 8.4x19.3x13.3, 36 lbs sh.
#HP-3550A, Used Reparable, \$189.50
#MM-HP-3550A, Manual repro, \$30.00

HP-204C AUDIO OSCILLATOR, AC line or rechargeable battery operation. Unit provides frequency from 5 Hz to 1.2 MHz in six overlapping ranges. Delivers an output voltage of >2.5 V-rms (10 mW or +10 DBM) into 600 ohm. Includes Sync Output: > 100mV-rms into <100pf over entire range. 5.1x6.3x8, 9 lbs sh.
#HP-204C, Used Reparable, \$110.00
#MM-HP-204C, Manual repro, \$14.00

HP-403B AC VOLTMETER, measures 0.001 to 300V-rms in 12 calibrated steps, -60 to +50 DB in 10 DB steps. Response 5 Hz - 2 MHz. Requires 115/230 VAC and four 6 V 225ma batteries in regulating circuit. 5.1x6.3x8, 9 lbs sh.
#HP-403B-LB, Used Reparable, less batteries, \$79
#MM-HP-403B, Manual repro, \$14.00

HP-353A Telephone Patch Panel, 50Hz-560KHz. Output impedance 135, 600, and 900 ohms. Step 600 ohm attenuator. 2 pair of matching transformers primary 600 ohm, sec 135, 600, 900 ohms. 5.1x6.3x8, 9 lbs sh. #HP-353A, Used, \$35.00

Digital Tachometer

RPM-measurements are now safe and accurate. 5-digit LCD displays the exact rpm: 2.5 to 99,999rpm. The last value / max. and min. values are stored automatically. Resolution : 0.05%. Comes with case. Requires 9V battery. Drop shipped from Texas. #DT06234, New, Regular Price, \$99.00: Our Price, \$79.95



HP Wave Analyzer



HEWLETT-PACKARD 310A WAVE ANALYZER, a frequency selective voltmeter-receiver covering 1 KHz to 1.5 MHz with bandwidths 200,1000, and 2000 Hz; resolution 200 Hz/div. Modes AFC-Normal-BFO-USB-LSB-AM. Amplitude ranges 10 ux to 100 V full scale, 16 steps. AFC: dynamic hold-in +/-3 KHz min @ 100 KHz; tracking 100 Hz/sec. Has headphone jack and is operable as VLF receiver. Requires 115/230 V 60 Hz; 10.8x16.8 x18.4, 50lb.
#HP-310A, Used-reparable w/ manual, \$150.00

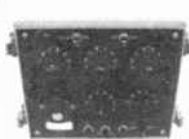
Distortion Analyzer

HEWLETT-PACKARD 331A DISTORTION ANALYZER, measurement of total distortion 0.1%-100 % in 7 ranges over 5 Hz to 600 KHz; harmonics to 3 MHz. 1 KHz filter attenuates frequencies below 400 Hz. Fundamental rejection >80 DB. Meter indicates 300 v to 300 V rms in 13 ranges, 10 DB per range. Requires 115/230 V; 16.8x5 x15.3, 24 lbs sh.



#HP-331A, Used Checked w/ manual, \$265.00
#HP-334A, Used Checked w/ manual, \$350.00

Wheatstone Bridge



ZM-4 Wheatstone Bridge used to measure DC resistance. Resistance measurement range 1 ohm to 1.011 M ohms +/-0.15%; As a resistance substitution box it is adjustable in 1 ohm steps from 0-10110 ohms. The current

limit of the resistors is 16-500ma depending on setting. Galvanometer indicates balance in test circuit. Requires three "D" batteries. Also 22.5 to 200 VDC for more accurate readings above 1000 ohms. Can be used as a precision resistor substitution box. 5.8x7.3x8.8, 12 lbs #ZM-4-UR, Used Reparable, \$40.; #ZM-4-UR-L, Used Reparable less galvanometer, \$20 #ZM-4-CH, Used Checked, \$59.50; Manual repro, #MM-ZM-4, \$14.00

LC Bridges

3 1/2 digits LCD with a maximum reading of 1999. Full range protection and overload indication. Worldwide safety standard, high reliability. With data hold and large LCD display. DCV:0-200m-2-20-200±0.5%-1KV±1.0%. ACV:0-2-20-200V±0.8%-700V±1.2%. DCA:0-200m±1.2%-20A±2.0%. ACA:0-200m±2.0%-20A±3.0%. Resistance:0-200-2k-20k-200k-2M±0.8%-20M±1.0%. Capacitance:0-20n-200n-2u-20uF±2.5%-200uF. Frequency: From 300Hz to 200KHz ±3%. Inductance:0-2m-20m-200m-2H-20H±2.5%. Temperature: C: -40C - 1000C; F: -0F - 1832F. Transistor and Diode test. Audible continuity: <90ohm. Requires 9V battery. Comes with test leads, bag, and battery. 7.5" x 3.5" x 1.7", 3 lbs sh. #VC9805A, List Price, \$149.95; Our Price, \$69.95



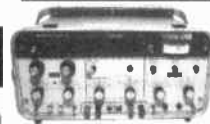
3 1/2 digits LCD display to 1999. High accuracy. Input overload protection. Low battery indication. Low power consumption. In-line push buttons allow one hand operation. Capacitance:0-2n-20n-200n-2u-20u-200u-1000uF. Capacitance accuracy 23C ±2C: <0.5uF±1.0%, >0.5uF±2.0%. C Temperature coefficient: <0.5uF±0.1%/C, >0.5uF±0.2%/C. Inductance:0-2m-20m-200m-2H-20H. Inductance accuracy 23C±2C: <0.5uH ±2.0%,>0.5uH ±5.0%. L Temperature coefficient: <0.5H±0.2%/C, >0.5H±0.5%/C. Zero Error: C<5pF, L>10uH. 7.5" x 3.5" x 1.7", 3 lbs sh. #VC6243, List Price, \$89.00; Our Price, \$62.95

Anemometer

ANEMOMETER. Wind speed measurements in mph, km/h or m/s units. Reads up to 65MPH. Wind speed in Beauford wind scale bar graph. Wind chill display. Temperature display in degrees Celsius or Fahrenheit. Data-hold function. Auto power OFF. LCD backlight. Comes with neckband and 1 x 3V CR2032 battery. 1.5"x7"x3.9". #DVM9500, New,\$89.95



Transmission Test Set



Northeast Electronics TTS-44 Transmission Test Set. A useful device for test and measurement of audio VLF-RF frequencies up to 99.99 KHz. Has a four digit display switchable from Hz to KHz, and an edgewise DB meter. Also, has a small front mounted speaker with level control. Send portion of unit generates frequencies in presets (404,1004, 2804 Hz) and variable ranges (35 - 375 Hz, 375 - 4.5 KHz, 4.5 - 60 KHz) and has an output attenuator from -40 to +10 db in six ranges. Both send and receive have two independent channels with bridged and terminated binding post and phone plug connections. 120VAC, and self contained battery operation (no warranty of battery condition) 12.7 x 15 x 7.5, 33 lbs sh. #TTS-44, Used reparable, \$79.50 #MM-TTS-44, Manual Repro for above, \$23.00

Thermometer

In/Out Thermometer, Memory for min/max values. Wall-mounted or freestanding device. Simultaneously display in/out. Alert/set button to enter a preset value for in/out temperature. Readout in C or F. Weatherproof sensor probe for outdoor temperature. Temperature range indoor: -10C to +50C (+14F to +122F); outdoor: -50C to +70C (-58F to +158F) Digit height: 0.5". Display size: 1.18" x 1.57". Unit size: 4.3" x 2.75" x 0.78". Requires one AAA battery (included). #TA20, New, \$10.99



Infrared Thermometer

INFRARED THERMOMETER. One-handed operation. Laser technology. Range 0 to 788F. Resolution 1F / 1C. Spectral response 6-14µm. Response time 60 ms. Accuracy -20C to +100C ± 3C + 0.1C to +400C ± 3C. Operating temperature 0 to +50C. Power consumption 40mA max. Requires a 9V-battery (not included) 1.7" x 1.6" x 6.7". 2 lbs sh. Drop shipped from Texas. #DVM8869, New, List Price, \$215.00; Our Price, \$151.95



TS-656 Test Meter

TS-656 Electrical Meter Test Set supplies accurately metered AC and DC voltages and DC current to test meter movements. AC, DC voltages 0 to 2.5, 5, 10, 25, 50, 100, 250, 500. DC current: 0 to 100 ua, 250 ua, 500 ua, 1 ma, 2.5 ma, 5 ma, 10 ma 25 ma 50 ma, 100 ma, 250 ma, 500 ma and 1 amp. Requires 120 v 60 hz. 55 lbs sh. 17.75 x 14.25 x 11.75, With operators info. #TS-656, Used Reparable, \$169.50



URM-26B Generator



SG-117/URM-26B SIGNAL GENERATOR, 4 to 405 MHz AM-CW - Pulse in six bands. Output 0.1 to 100K uv into 50 ohms. Modulation 400 or 1K Hz 0-50%. External pulse-mod requires positive 40 Vmin 50-500 pps; duration 2-40 usec and 70 ohm input impedance. Requires 115 V 50-1000 Hz. Outer case may have small dents. Less front cover. 11.3x14x10.5, 36 lbs sh. #URM-26B, Used Checked, \$195.00 Manual repro, #MM-URM-26B, \$18.00

Accessories sold only with purchase of URM-26B: 2:1 attenuator, 50 ohms, #CN-315, \$9.50 10:1 50 ohm, #CN-316 \$11.50 Impedance matcher, #CU-439, \$11.50 BNC cords, 4 foot, #BNC-4ft, \$4.50; BNC cords, 6 inch, #BNC-6IN, \$2.50

SG1174 Signal Generator

SG-1174/U (AUL 6201B) Signal Generator 3.8 - 7.6 GHz. Internal modulation of CW, pulse, square wave, FM or accepts external modulation. Control complement includes vernier tuning, attenuator, sync multiplier, pulse rate (40-400pps), pulse width (.5-10us), sync delay (3-300us), and FM modulation level. Solid-state design except for 5037 klystron. 50 ohm output, plus sync and sync delay outs; external modulation inputs. 5.7x19x13.7, 54 lbs sh, No manual available. #SG-1174, Used Reparable, \$125.00



CALL US AT 419-223-2196 or 227-6573

24 HOUR FAX 419-227-1313

UHF Signal Generators

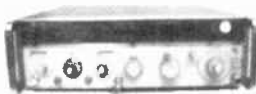


HEWLETT-PACKARD 620B SIGNAL GENERATOR, 7 to 11 GHz in single band FM, pulse or squarewave modulation. Calibrated output 0.1 uv to 0.224 V into 50 ohms. Also second 0.3 MW uncalibrated output useable for phase locking.

Pulse rate 40 to 4000 pps; width 0.5 to 10 usec. Uses 5721 or = klystron. Requires 115/ 230 VAC 50-400 Hz. 13.9x17.5 x17.4; 70 lb. #HP-620B, Used Repairable, \$175 Manual repro for above, #MM-HP-620B, \$20.00

HP-618C GENERATOR, similar to 620B except 3.8 to 7.6 GHz; #HP-618C, Used Repairable, \$150.00 Manual repro for above, #MM-HP-618C, \$17.00

HP-8640B Signal Generator



HEWLETT-PACKARD 8640B RF GENERATOR 500 KHz -512 MHz AM-FM-Pulse in 11 bands read on 7-digit display.

Output +19 to -145 dbm (2 V to 0.013 uv); phase-lock FM. Requires 100/120/220/240 VAC 48-440 Hz; 5.5x16.8 x18.8, 53 lbs sh. Used Checked w/manual copy, #HP-8640B-13, \$1150.00

MILITARY VERSION of popular solid-state HEWLETT-PACKARD 8640B with opt 323 (AN/USM-323). Covers 500 KHz to 512 MHz AM-FM-Pulse in ten octave ranges using 6-digit LED readout; to 1024 MHz using external freq doubler (not available). Output: 0.01 uv to 2 V (-144 to +19 DBM); modulation 400, 1000, 5000 Hz. Pulse: 0.05-5 KHz. Resolution 10 Hz (0.5-4 MHz), 100 Hz (4-64 MHz), 1 KHz (64-512 MHz). USM-323 does NOT have these features: seventh 1/2 digit, X100 Expand, ext-count input, phase-lock. Mounted in transit case. Requires 103-127/207-242 VAC 48-440 Hz; 7.8x19.5 x22.4, 70 lbs. #USM-323, Used Checked w/book copy, \$895.



480 MHz Signal Generator



HEWLETT-PACKARD 608E SIGNAL GENERATOR, best of 608-series covers 10-480 MHz AM-CW-pulse; 1 & 5 MHz calibration check points over range make +/-0.05% accuracy possible. Modulation 400 or 1000 Hz internal; external 20 Hz-20 KHz, 0 to 90%. Large 3.5" dia meters for Percent Modulation & Output Volts-

DBM. Requires 115/230V 50-400 Hz; 16.4x13.3x21, 72 lbs. #HP-608E-UR, Used Repairable, \$260.00 #HP-608E-CH, Checked, \$310.00 Manual repro for above, #MM-HP-608E, \$18.00

FIBERGLASS TRANSIT CASE for HP-608 generators; 30 lbs sh. #FIB-USM-44B, used, \$40.00

H-P Microwave

HEWLETT-PACKARD, Frequency Meters, 5 lbs. Used:

G532A, 3.85-5.85GHz, \$195.00
J532A, 5.3-8.2 GHz, \$195.00
R532A, 26.5-40GHz, \$195.00
X532B, 8.2-12.4GHz, \$195.00
536A, 0.94 - 4.2GHz, \$50.00
WDA-940 by FEL, 0.96 - 4.2GHz, Unused,\$50

Precision Attenuators:

J382A, 0-50dB, \$195.00; X382A, 0-50dB, \$195.00;

DIRECTIONAL COUPLERS: 2 lbs sh.

G752C, \$125, H752D, \$125,

J752D, \$125, P752A, \$99,

X752C, \$99, P8747A, \$150,

Omega 3315E, \$95.00,

UG1054/H281A, \$95.00



Waveline 60563, \$95.00,

X910B Termination, \$20.00

50 MHz Signal Generator



AN/URM-25 SIGNAL GENERATOR with accessories; covers 10 KHz to 50 MHz in 9 bands. Output to 100K uv into 50 ohms. Modulation 0-50% 400 or 1000 Hz; internal 1 MHz calibrator. Includes MX-

1487 impedance adapter, SM-35 antenna simulator, attenuators CN-223-224, test cable & manual repro. Requires 115 VAC 60 Hz;11.3x14x10.8, 58 lbs sh. #URM-25-UR, Used Repairable, \$130.00 #URM-25-CH, Checked, \$200.00

Dummy Antenna for URM-191 & other signal generators such as the URM-25. 50 ohm impedance. Has a female BNC connection on each end. #DA-650, Used, \$7.00



Fixed 5:1 Attenuator for URM-191 & other signal generators such as the URM-25. Has a female BNC connection on each end. #CN-1418, Used, \$8.00

Adapter Connector for URM-191 & other signal generators such as the URM-25. Has a female BNC connection on one end and a 1/4" phone jack on the other end. #35-28102-14, \$7.50

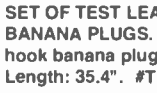
Test Leads



SET OF TEST LEADS - 2 BANANA PLUGS. 2 test leads (with banana plug) 0.16". Length: 39.4". #TLM2, New, \$1.59



SET OF TEST LEADS - BANANA PLUG / BOOTED CROCODILE PLUG. 3 test leads (banana plug 0.16" / boot-crocodile plug). Length: 35.4". #TLM3, New, \$1.59



SET OF TEST LEADS - 2 HOOKED BANANA PLUGS. 2 test leads (2 hook banana plugs) 0.16". Length: 35.4". #TLM4, New, \$1.99



Test Leads with alligator clips. Each test lead is 55" long. Used in conjunction with PSM-6 and other military meters. #MX-1909, Unused, \$4.

Red & black panel jacks 1/ above. #J-19, used, \$2 per set

Alligator Clips

ALLIGATOR CLIP 10A. Solder conn. Length 2.2". Boot color black, #CM16B, 4 for \$2.00; 8 for \$3.60 Boot color red, #CM16R, 4 for \$2.00; 8 for \$3.60

ALLIGATOR CLIP. Solder conn. Length 1.7". Boot color black, #CM6B, 8 for \$3.20; 24 for \$8.40 Boot color red, #CM6R, 8 for \$3.20; 24 for \$8.40

As above but 1.1".

Boot color black, #CM5B, 12 for 8 for \$3.20; 24 for \$8.40

Boot color red, #CM5R, 12 for 8 for \$3.20; 24 for \$8.40

Boot color red, #CM5R, 12 for 8 for \$3.20; 24 for \$8.40

Boot color red, #CM5R, 12 for 8 for \$3.20; 24 for \$8.40

Boot color red, #CM5R, 12 for 8 for \$3.20; 24 for \$8.40

Boot color red, #CM5R, 12 for 8 for \$3.20; 24 for \$8.40

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Boot color red, #CM5R, 12 for 8 for \$3.20; 24 for \$8.40

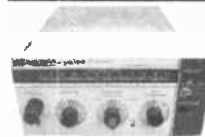
20 amp rated Industrial Alligator clip with spiny contact by Mueller. No insulation. Unused, #AC-1868, \$1.25 each; 3 for \$3.00

Jumper Test Leads



Set with 10 wires 5 colors with booted gator clips. Cable length: 20". Booted alligator clips: 1". #CM12, New, \$2.59

HP Analyzer Plug-In



HEWLETT-PACKARD 8553B SPECTRUM ANALYZER PLUG-IN for HP-141T main-frame; covers 1 KHz to 110 Mhz in bands 0-11 and 0-110 Mhz. IF bandwidths: 10 Hz to 300 KHz, 1-3

sequence. Scan widths on 10-division CRT: 20 Hz/div to 10 Mhz/div in 18 calibrated steps, 1-2-5 sequence. 4x8.9x13.5, 17 lbs.

#HP-8553B-UR, Used Repairable, \$295.00 Manual partial repro, #MM-HP-8553B, \$20.00

HP-8552B IF Plug-in for 141T. Features video filtering, recorder outputs and an internal calibration signal to make the spectrum analyzer easier to use. Provides bandwidth/gain selection and detection. Internal calibration standard is -30dBm, 30MHz signal. 16.8x16.4x8.8, 14 lbs sh. #HP-8552B, Used operates but may need adjustment, \$400.00



HEWLETT-PACKARD 8445B AUTOMATIC PRESELECTOR. This YIG tuned filter unit is designed for use with the HP-141T Analyzer with the HP-8555A Plug-in. Suppresses harmonic mixing image and multiple responses from 1.8 to 18 GHz. Clean band sweeps of 2, 4, 6, or 8 GHz are possible depending on the band selected. N connections. Less interconnect cable. Requires 100/120/200/240 V 48-440 Hz. 3.5x16.8 x18.4, 25 lbs sh. #HP-8445B, Used Repairable, \$350.00

Scope Probes



OSCILLOSCOPE PROBE 150MHz. Complete probe set for measurements up to 150MHz. Attenuation: 1:1 or 1:10. Position x1 - bandwidth: DC to 60MHz, input resistance: 1Mohm (input resistance scope) input capacitance: 90pF + cap. scope. Position x10 - bandwidth: DC to 150MHz, input resistance: 10Mohm (if scope input = 1Mohm), input capacitance: 15pF approx. Cable length 3.9ft. #PROBE150, New, \$43.95

OSCILLOSCOPE PROBE 100MHz. Complete probe set for measurements up to 100MHz. Attenuation: 1:1 or 1:10. Position x1 - bandwidth: DC to 60MHz, input resistance: 1Mohm (input resistance scope) input capacitance: 90pF + cap. scope. Position x10 - bandwidth: DC to 100MHz, input resistance: 10Mohm (if scope input = 1Mohm), input capacitance: 16pF approx. Cable length 4.6ft. #PROBE100, New, \$34.95



INSULATED SCOPE PROBE 60MHz. Complete probe set. Insulated for hand-held equipment. Attenuation: 1:1 or 1:10. Position x1 - bandwidth: DC to 15MHz, input resistance: 1Mohm (input resistance scope), input capacitance: 46pF + cap. scope. Position x10 - bandwidth: DC to 60MHz, input resistance: 10Mohm (if scope input = 1Mohm), input capacitance: 18pF approx. Cable length is 4.6ft. With insulated BNC connector. #PROBE60S, New, \$24.95



PLACE YOUR ORDER OVER THE WEB AT FAIRRADIO.COM

Tektronix Plug-ins

Each of the plug-ins listed below are used repairable.

Part Number: #TEK-(specify model)

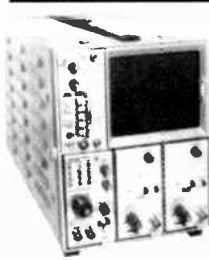
- 1A1 High Gain Wide Band, \$45.00
- 2B67 Time Base, \$45.00
- 3A1 Dual Trace Amplifier, \$45.00
- 3A3 Vertical Dual Trace Differential Unit, \$75.00
- 3A6 Dual Trace Amplifier, \$45.00
- 3A72 Dual Trace Amplifier, \$40.00
- 3B4 Time Base Single Sweep Type, \$45.00
- 3S76 Sampling Dual Trace, \$40.00
- 5A14N Four Channel, \$100.00
- 5A15N Single Trace Amplifier DC-2MHz, \$35.00
- 5A18N Dual Trace Amplifier, \$79.50
- 5A21N Differential Amplifier, \$50.00
- 5A24N Single Trace Amplifier DC-2MHz, \$30.00
- 5A38 Dual Trace, \$45.00
- 5A48 Dual Trace, \$60.00
- 5B10N Time Base / Amplifier, \$50.00
- 5B12N Dual Time Base, \$85.00
- 5B25N Digitizer / Time Base / Amplifier, \$99.00
- 5B40 Time Base, \$60.00
- 5B42 Delaying Time Base, \$85.00
- 5T3 Time Base, \$65.00
- 7A12 Dual Trace Amplifier, \$60.00
- 7A13 Differential Comparator, \$125.00
- 7A15A Amplifier, \$60.00
- 7A16A Amplifier, \$99.00
- 7A18 Dual Trace Amplifier, \$125.00
- 7A19 Amplifier, \$125.00
- 7A22 Differential Amplifier, \$150.00
- 7A24 Dual Trace Amplifier, \$99.00
- 7A26 Dual Trace Amplifier, \$99.00
- 7B10 Time Base, \$199.00
- 7B50 Time Base, \$155.00
- 7B53A Dual Time Base, \$179.00
- 7B71 Delaying Time Base, \$175.00
- 7B80 Time Base, \$125.00
- 7B87 Time Base, \$175.00
- 7B92A Dual Time Base, \$199.00
- 7D15 225MHz Counter / Timer, \$199.00
- 10A2 Dual Trace Amp, \$50.00
- 11B1 Time Base, \$40.00
- 53/54K Fast Rise .05-20V/cm, \$20.00
- 72 Dual Trace Amplifier, \$45.00
- AM-6565/U Amplifier (7A15AN11), \$45.00
- B Wideband 50mv-20V/cm, \$25.00
- CA Dual-Trace DC-24 MHz, \$40.00
- D High Gain DC Differential, \$25.00
- E Low Level AC Differential, \$25.00
- H Wideband 50mv-20V/cm, \$25.00
- K Low Level AC Differential, \$25.00
- L Wideband High Gain, \$30.00
- O Operational Amplifier, \$50.00
- P Rise Time Test Unit, \$25.00
- Q Transducer-Strain Gauge, \$85.00
- Z Differential Comparator, \$85.00

Wire Clips

144mm LONG WIRE CLIP FOR CABLE CONNECTION. Suitable for cable and 4mm banana plug. Length is 5.7". Black color, #CM23B, \$2.00
Red color, #CM23R, \$2.00

40mm WIRE CLIP. Solder connection. Length is 1.6". Black color, #CM22B, \$1.19; 3 for \$2.79
Red color, #CM22R, \$1.19; 3 for \$2.79

TEK 7603N11S



AN/USM-281C (Tektronix 7603-N11S) OSCILLOSCOPE, modern, versatile 7000-Series scope with large 8 x 10 cm display and at least 65 Mhz response. Includes two AM-6565 (7A15AN11) single-trace and one TD-1085 (7B53AN11) dual time base plug-ins plus the 100 Mhz mainframe accepts standard Tek 7000-Series plug-ins. Vertical deflection 5 mV - 10 V/div in 11 calibrated steps, 1-2-5 sequence; vernier to 25 V/div. Sweeps: Normal, Intensified Delay, Delayed and Mixed. Rate 0.05 uS - 5 S/div in 25 steps, 1-2-5 sequence; 5 NS rate using x10 magnifier. Delayed rate 0.05 uS to 0.5 S/div in 22 steps. Requires 100-120/200-240 VAC 48-440 Hz. With book; 11.5x9.7x25.2, 52 lbs. #USM-281C-UR, Used-Repairable, \$370.00
#USM-281C-CH, Checked, \$460.00
Manual repro 1/ USM-281C only, #MM-USM-281C, \$35

ADAPTERS for USM-281C/TEK7603:

- ADAPTER BNC (f) - UHF (m) #103-0015, \$3.00
- ADAPTER BNC (m) -UHF (f) #103-0032, \$3.00
- ADAPTER BNC (m) to post, #103-0033, \$3.00
- T-CONNECTOR, BNC (f-m-f) #103-0030, \$3.50
- CABLE, 8 ft BNC, 50 ohms, #012-0118, \$4.50

TEK 500 Modules / Plug-ins

The TEK TM503 Power Module benchtop mainframe is a three wide power module compatible with all TM500 Plug-ins. It provides unregulated DC and AC supplies and non-dedicated power transistors for plug-in usage. 17x8.35x9, 14 lbs sh. #TM503, \$125.00



- Four Wide Power Module, #TM-504, \$145.00
- Five Wide Portable w/ covers, #TM-515, \$169.00

Part Number for plug-ins below:
#TEK-(specify model)

- AM502 Differential Amplifier, \$195.00
- AM503 Current Probe Amp (no probe included), \$179
- DC501 Counter 110 MHz, \$199.00
- DC502 (opt. 1) Counter, \$199.00
- DC503 Universal Counter, \$129.00
- DC504 Counter / Timer, \$129.00
- DM501 Digital Multimeter, \$99.00
- DM502 Digital Multimeter, \$149.00
- FG501 Function Generator, \$129.00
- PG501 Pulse Generator, \$129.00
- PG505 Pulse Generator, \$225.00
- PS501 Power Supply, \$199.00
- SG503 Leveled Sine Wave Generator, \$499.00
- TG501 Time Mark Generator, \$499.00

**** TEK 5000 Plug-in ****

FG5010 Programmable Function Generator, \$999

Tek Plug-in Adapter

Tektronix type 81 DC-30MHz Vertical Plug-In Adapter. Allows the use of all 1-series and letter-series plug-ins with 580-series oscilloscopes. Tube type version. 12.2x5.9x7.1, 6 lbs sh. #TEK-81, Used, \$29.95



Personal Scope Special



PERSONAL SCOPE 10MS/s, Complete portable oscilloscope the size and the cost of a good multimeter. Ideal for hobby, service, automotive and development purposes. Suitable for measurements on audio equipment, line voltage applications, digital signals, all kind of sensors, signal analysis in automotive applications, car stereo, etc Its full auto setup function, makes measuring waveforms very easy. 10MHz sampling rate. 0.1mV sensitivity. Up to 2MHz analog bandwidth. 5mV to 20V/div in 12 steps. 20ms to 1hour/div time base in 32 steps. Full auto set up. Trigger mode: run, normal, once, roll, slope +/- X and Y position signal shift. DVM readout with x10 option. Audio power calculation (rms and peak). dBm, dBV, DC, rms ... measurements, signal markers for Volt and Time. Frequency readout (through markers). Recorder function (roll mode). Signal storage (2 memories). LCD: 128x64 pixels / high-contrast. Requires five 1.5V AA battery or Nicd / NiMH (not incl.). Includes battery charging circuit. Drop shipped from Texas. #HPS10, New, List Price, \$229.90; Our Price, \$159.99

275 MHz Scope

HEWLETT-PACKARD

1720A PORTABLE SCOPE, DC to 275 MHz response with dual channels, large 6x10 CM display, and selectable input impedance 50 ohms or 1 meg-ohm. Modes Channel A or B, A+B, A & B alternating, A & B chop. Deflection: 5 mv-5 V/div in 10 calibrated steps, 1-2-5 sequence plus vernier to 12.5 V. Sweep: 10 ns-0.2 s/div in 23 steps, vernier to 0.5 sec and X10 magnifier. Trigger normal, auto or single. Delay sweep: 10 ns-0.1 s/div in 22 steps, vernier to 0.25 sec; delay time varies over 0.2 to 2 sec. Calibrator 1 KHz squarewave, 1 V p-p. Requires 115/230 VAC 50-440 Hz, 38 lbs. #HP-1720A-UR, Used Repairable, \$425.00
#HP-1720A-CH, Checked, \$550.00



Similar except DC-150MHz, repairable, #HP-1710A, \$360
Similar except DC-100MHz, repairable, #HP-1741A, \$310

Manual repro for HP-1710A, #MM-HP-1710A, \$35
Manual repro for HP-1720A, #MM-HP-1720A, \$35

TEK 100 MHz Scope



TEKTRONIX 465M (AN/USM-425) OSCILLOSCOPE, militarized portable dual-trace unit has response DC to 100 MHz and 8x10 CM display. Deflection 5 mv to 5 V/div in 10 calibrated

steps, 1-2-5 sequence plus vernier. Vertical modes: TRIG View, 20 MHz BW, CH 1, ALT, Add, Chop, CH 2 or X-Y. Sweep 0.05 usec to 0.5 sec/div in 22 steps plus vernier; delay 0.05 usec to 50 msec/div. Inputs: 1 Megohm paralleled by 20 pf. Also X10 magnifier, adjustable handle, and manual copy. Front cover is not available. Requires 100-132/ 200-264 V 48-440 Hz; 19.2x12.8x7, 32 lbs sh. #TEK-465M-UR, Used physically OK but power supply troubles, \$260.00
#TEK-465M-CH, Checked, \$425.00
Manual for above, #MM-USM-425V, \$30.00

EMAIL US YOUR INQUIRIES AT FAIRRADIO@FAIRRADIO.COM

DC Voltmeters

Analog Panel Meter, 0-5 VDC, Scale reads 0-75 watts. 4.6" x 4.1", #251-4, New, \$14.00

FS=5 VDC, scale 0-1.5 A & 0-300 MA; 2.5" rd. #VDC-5, Used, \$6.00

ES=5VDC, 5-0-5/10-0-10maDC, 3.5" rd, #S00-5-0-5V, Used, \$15.00



DATA TECH 0-20 VDC Digital Panel Meter, uses Sperry 7-segment

0.5"H readouts. 10 meg ohm imp.; auto-polarity, OVP. Requires 115 V 60 Hz. Units have "weak" displays and/or "bad" segments. 1.9"Hx4"Wx5.5"D, 3 lbs. sh. #5313-220, "AS-IS", \$12.00

POLARAD Mfg. FS=100 V DC, 0-100-500 scale, 4"W x3.8"H. #M2/TV13, \$10.00

FS=150 VDC, 0-1500-5000 sc. 4"Wx3.8"H. #M4/TV-13, \$10.00



150-300 VDC expanded scale, 4 1/2" rd, black face, Weston 760, 500 ohm/Volt, #VDC-300, Unused, \$12.00

High Voltage DC 3 1/2" round panel meters removed from equipment. Each panel meter listed below comes with the associated large multiplier resistor creating full scale indication as shown below. 0-1KV, #S00-1KV, \$20



Analog DC Volt Panel Meters, New, \$9.00 ea
15V, 2.4"x1.9", #AVM6015
15V, 2.8"x2.4", #AVM7015
30V, 2.4"x1.9", #AVM6030
30V, 2.8"x2.4", #AVM7030

DC Amps

DC AMMETER -15 MV - 0 - +50 MV. 4.5 inch dia. mounts in 3 5/8 inch hole. Scales -150 to 500, -30 to 100, -15 to 50, -3 to 10. 3 lbs sh. #400R150B, Unused, \$6.95

EDGEWISE METER 0-8 A DC; 1.9"W x 3/4"H; #D2588, \$8.00

ES=20 ADC, 2.5" round diameter. 20-0-20 scale. White face. Shunt not required. #ADC-20-ES, Unused, \$10.00

0-150ADC & 0-75VDC Scale; FS=150MV; 2.7" x 2.3", #1921-M1031, Unused, \$7.50

FULL SCALE = 50 MV:

0-15 ADC 3.5" rd black, #ADC-15, \$8.

0-30 ADC 2.5" rd, used, #ADC-30, \$7.95

0-1500 DC Ammeter. 3.5 inch dia. mounts in 2 3/4 inch hole. White face. FS=50mv. #NX-35, Unused, \$15.00

Analog DC Current Panel Meters, New, \$9.00 ea.

3A, 2.4" x 1.9", #AIM603000
10A, 2.4" x 1.9", #AIM6010A
5A, 2.4" x 1.9", #AIM605000
5A, 2.8" x 2.4", #AIM705000
30A, 2.4" x 1.9", #AIM6030A, \$10.95 ea

DC Micro Amps

FS=50 UA DC, scale -30 +150 w/ "0" center; 2.5" rd sealed. #TRC30150, \$5

Analog Panel Meter, 0-50 UADC, 2.4" x 1.9", #AIM60005, New, \$9.00

ES=100 UADC, 3.5" rd, Scale -10 to +10 %, Black face, #UA-100-ES-3.5, Used, \$7.00

20-0-100 uadc 2.5" Round panel meter by Simpson. Marked Galvanometer. #20-0-100, Unused, \$9.50

FS=100 UA DC, 2.5" round diameter. Scales for 0 to 100 and -8 to +6dbm. Black face. #265-347, Unused, \$10.00

150-0-150 UA DC, 3.5" Rd Simpson. #UA-150-ES, Unused, \$8.95

FS=200 UA DC, 3.5" Rd diameter. Scales for 0 to 20 and 0 to 2.0 RF Watts. White face. #300R-426C, Unused, \$14

0-200 UADC 2.5" round. White face. Used, #UA-200, \$11.00

DC Milliamps

FS=1maDC, Marked Amperes, Volts, and AC. 0-5/120/30 scale. 3.6"W x 3.3"H, Mounts in 2 1/4" hole. #2168, Unused, \$17.50

0-1 madc Full Scale Indicated. Meter face reads 40 to 80 Hz. This is not a frequency meter. 3.5"W x 3"H. Mfg by Crompton. #AA-EXXH, Unused, \$6.95

0-1 madc Full Scale Indicated. Meter face reads 0 to 3KVDC. 2.5" round. Mfg by DeJur. #265161, Unused, \$6.95

Analog Panel Meter, 0-1 MADC, 2.4" x 1.9", #AIM601, New, \$9.00

ES=1maDC, 100-0-100 scale, 2.5" RD, A&M Instruments. #265-097, Unused, \$14.00

1.5MADC Movement Audio Output Meter for receiver. 0-2VAC scale non-linear. Works with SP-600. 2 1/4" rd white face. #MA-1.5, Used, \$23.00

100-0-100 MA DC, 3 1/2" rd Weston 301, #MA-100-ES, Used, \$6.95

Analog DC Current Panel Meters, New, \$9.00 ea.

50mA, 2.4"x1.9", #AIM6050
100mA, 2.4"x1.9", #AIM60100
500mA, 2.4"x1.9", #AIM60500

Shunts

FS=50mv:
30 amps, 1.3x2x1.7, #SH-30, Used, \$7

High Current Weston DC Generator Shunts. 50mv. Used, minor corrosion.
400 amp 4 lbs. #SH-400, \$30.00
500 amp 3 lbs. #SH-500, \$30.00
800 amp 4 lbs. #SH-800, \$30.00
1000 amp 9 lbs. #SH-1000, \$40.00

Instrument Shunt, 1 amp at 50MV; 2 amps at 100MV. #0042261, \$4.95

AC Voltmeters

VTVM Meter 1-10 VAC scale expanded with 3.5 V centered; also 0-20 DB. 4.5" rd. #0899, Unused, \$7.95



Analog AC Voltage Panel Meters, New, \$9.00 ea.
150V, 2.4"x1.9", #AVM60150
300V, 2.4"x1.9", #AVM60300

AC Amps

FS = 5 amps AC; transformer required for indicated scale (not available):
0-150 A, 2.5" dia. #ACA-150, \$9.50

0-100-200 AC AMPS FS=5 A GE-YOKO 2.5" sq. #ACA-200, \$10.50

Various Meters

----- DB METER -----
-4-0+6 DB 1 MW, FS= 1 MA; 2.5" rd sealed, #DBM-4-6, Used, \$4.50

-- METER ASSORTMENT --
Seven U.S. mfg meters 2 1/2" x 3 1/2" - up; mixed odd scales, FS-100 ua and up-- no choice; 3 lbs sh.
#MTR-ASST, \$12.00

- I-70 B TUNING METERS -
"Tune for Max" meter used in many WW-2 radio remote control boxes such as BC-311, BC-434 & C-4/ARN-7; 2.1x2.1 x1.6, 1 lbs. #I-70B-TM, Used, \$12.00

- ART-13 PLATE METERS -
Original PA Plate Panel Meter from the ART-13 transmitter. Full Scale equals 1maDC. 2 1/2" round. Black face. Used condition, #PMTR-ART-13, \$23

- TV-2 PANEL METERS -
TV-2 panel meters
Filament, #F-TV-2, Unused, \$50.00
Grid Bias, #GB-TV-2, Used, \$50.00
Screen, #S-TV-2, Used, \$50.00

KW Hour Meters

KiloWattHour meters 240 volt 60 Hz single phase 4 dial. Monitor power to your out buildings or campground. Removed from use, good condition. An interesting item to build into a lamp base. You could probably modify it to make in run on the lamp current. 8 lbs sh. Used.

Duncan Form 2S, Rr 138 8/9, 240 v TA 30, Kh 7.2 3W. #200CL-MS, \$30.00
Duncan MQ-S Form 2S Rr 83 1/3 240 v 60 hz 3W TA 30 12 kh. #200CL-MQ-S, \$29

Galvanometer

Used in test bridges to indicate slight variations in current; 1 mm increments:

LEEDS & NORTHROP
10-0-10 scale, sens 0.1 ua/mm. CDRX 10K ohms; 500 system res. Period 4 sec; w/ Balance "lock". Behind panel: 4"D x 1" dia; front 3"H. #18876, New, \$30.00

Frequency Meter

5 Reed Frequency Meter 380 - 420 Cycles. 100-130 Volts. 1 3/4" diameter. #15-FH-400, Used, \$12



60 / 400 HZ REED FREQUENCY METER two reeds--one 60 Hz, one 400 Hz-- vibrate when freq approached. Use a 20K ohm resistor for 115V operation. 2" dia; fit 1.5" hole. #FM-TS382, used, \$12.95

RF Thermocouple

RF Thermocouple ARC-7499 as used in RE-2/BC442 ARC-5 antenna relay. Bridge type 19.5 +/- 1.5 mv 750 ma. Use for replacement on experiments. #ARC-7499, Unused, \$6



Pressure Gauges

0 to 15 PSI Pressure Gauge by USG. 2.1" round with 1/8" fitting and brass coupling. #PS-15, Used, \$8.95



0-60 PSIG & 0-4 KG/CM; 2.1" rd w/ 1/2" dia fitting. #PG-60PSI, NEW, \$6.50



PRESSURE REGULATOR 0 - 500 PSI. Seems to be a quality unit, but no mfg. or country of origin on the unit. 2.5x1.8 x3.3, 2 lb sh. #PR-500, \$6.00

0-6000 PSI 4" dia 270 degree scale; 7/16" di fitting. O/a 6" dia. #M6000-PSI, Unused, \$16.00

Water Gauge

3 1/2" Round Gauge reads negative 80 thru positive 80 "Centimeters of Water" in increments of 2. Has 1/8" threaded hole on back. Made by Marshall Town. #92361, Unused, \$8.50



Temperature Gauge

40 - 240 degree Temperature Gauge. 2 1/4" diameter. White face. Requires external sensor. #TEMP-240, \$6.50



Running Time Ind.

3 1/2" Round Running Time Meter by Cramer Division Type 635EAA. Requires 115VAC 60Hz at 2.7 watts. Reads upto 999,999 hours.

Reads in one hour increments only. Does not read in tenths. 3/10 RPH. 3" depth. Comes with mounting hardware. #RTM-115, Unused, \$23.00

Same as above except 440VAC 60Hz and reads upto 99,999 hours, #RTM-440, Unused, \$18.00

12VDC Counter

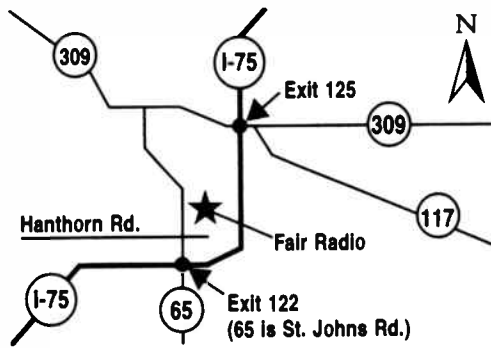
6-Digit Mechanical Counter 12 VDC nonresettable; black numerals on white. Rear mount flange; o/a 1.3"Hx1.5"Wx2.5"D, 1 lb. #E07B10DC12, New \$3.95



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R-390A & 51J4 Rack



Standard 19" Rack Cabinet for R-390A, R-388, SP-600, etc... 16-gauge steel, Rails are fixed both front and rear, round hole punched for 10-32 clip-nuts to full EIA

hole centers (5/8 - 5/8 - 1/2 inch spacing). Includes rubber feet, 2 lifting handles, a starter pack of 10-32 clip nuts & matching black screws. 10.5" Rack Height. Overall height 2" over panel height. 17" deep. Overall width is 21". Recommended maximum weight 600 pounds. Rugged powder paint finish. Hammond Mfg. 38 lbs sh. Drop shipped from NY. New, #RCBS1901017BK1, \$156.95 each

Standard 19" Rack Cabinet for 51J4, R-388 etc... It's the same rack cabinet as above except it is 13" deep. #RCBS1901013BK1, \$119.50 each

R-390A Adapter

Hard to find R-390A balanced input adapter. Goes from Twin-ax male to a UHF female. #UG-970, Unused, \$40.00



1000pf Vacuum Cap



Ceramic Vacuum Capacitor 1000pf at 15KV. Overall 8.8" Long x 4.5" Diameter. 3/4" long 3/8" diameter shaft. 12 lbs sh. #CVDD-1000-15, Used Checked, \$399.00

600 ohm Attenuator

600 ohm Attenuator by Mini-Circuits. DC to 500MHz.



Male BNC on one end to a female BNC on the other. #CAT-600, \$5.00

R-392 Power Connector



Hard to find power connector for R-392 HF Receiver. #CONN-R-392, Unused, \$40.00

Trompeter Panel



Trompeter JS64S/J8 Non-Insulated Rackmount Panel with J8 TPS Patch Jacks. 7 lbs sh. 2.4x19x1.8, #JS64S/J8, Used, \$49.50

50 ohm Termination



Strip Line 50 ohm 20 watt Termination. Pull out of TN-612 Prepost selector, #TERM-612,\$10

ECG Antenna Rotor

ECG Antenna Rotator, A durable, precision-built rotor designed to turn and accurately position even the largest TV/FM antenna, ensuring the best possible TV picture and FM reception. High torque - easily handles largest TV/FM antenna arrays. Built to take high winds and harshest weather extremes - water tight seal. Rotation Time 70 Seconds. Rotation Torque 8 Ft.-Lbs. Vertical Load Capacity 100 Lbs. (max.). Support Mast Size 1.125" - 2" Dia. Comes with Rotator Drive Unit and Control Unit, 14 lbs sh. #U-105, New, \$79.95



Support Bearing for U-105 Antenna Rotor, Provides extra support for U-105 rotator drive unit bearings. Relieves wear and tear on rotator imposed by wind loads. With mounting hardware. #TB-105, New, \$18.46

Freq, Cap, Temp, Meter



3 1/2 DMM - 30 RANGES / 20A / TEMPERATURE IN CELSIUS / CAPACITANCE / FREQUENCY, DC voltage: 200m/2/20/200/1000V ±0.5% + 1 digit, ±0.8% + 2 digits (1000V). AC voltage: 2/20/200/750V ±0.8% + 3 digits, ±1.2% + 3 digits (750V). DC current: 20m/200m/10A ±1.5%, ±2.0% (10A). AC current: 2m/200m/10A ±1%, ±1.8% (200mA), ±3% (10A). Resistance: 200/2k/20k/200k/2M/200M, ±0.8% (±5.0% for 200M range). Capacitance: 20n/200n/2µ/20µF ±4%. Frequency: 200kHz ±1.5% (overload protection: 380VDC of 380VAC rms). Temperature: -20°C to 1000°C ±5%, ±1% (1°C-400°C), ±2% (401°C-1000°C). Requires 9V battery. With auto power-off. Transistor, diode and audible continuity test. Data hold function. Accessories included: manual / test leads / holster / battery / temp. probe. Low-battery indication, & overload protection. With holster. 7.5" x 3.3" x 2.2", 2 lbs sh. New, #DVM8264, \$49.95

Delay Relay

90 Second Solid State Time Delay Relay by SSAC, 24VAC 0.5A, #TAC42190, Unused, \$13.95



10MHz Crystal Oscillator



10 MHz Crystal Oscillator and Oven by Hewlett Packard. Power required +12VDC and 24VDC for oven. Tested for output, may need adjustment. Removed from equipment. With info. 3x3x2 on 5x2.6 board. Minor rust spots. 3 lbs sh. #10811-60111, \$89.00

As above except #HP-10544A, \$69.00

RF Cable fits board and has BNC female connector. #CRY-OVN-CBL, \$6.00

Frequency Counter



2.4GHz HIGH RESOLUTION FREQUENCY COUNTER, 8-digits green LED display with annunciators. Two-channel operating mode memory. Adjustable range and gate time. High-safety design as per IEC 1010, cat. II. Frequency range: 0.01Hz - 2.4GHz. Accuracy: time base error x frequency ± 1 digit, gate time: 100 msec - 10 sec. Input characteristics: o channel A: + frequency range: # DC couple: 0.01Hz to 100Hz, # AC couple: 100Hz to 50MHz, + sensitivity: 80mVrms, + impedance: 1 Mohms, + max. input voltage: 30V; o channel B: + frequency range: from 50MHz to 2.4GHz, + sensitivity: 50mVrms, + impedance: 50 ohms, + max. input voltage: 3V. Requires 110-220VAC ± 10%. Drop shipped from Texas. New, #DVM13MFC2U, Retail, \$172.00: Our Price, \$119.95

Pinhole Camera

COLOR PINHOLE CAMERA, Pick-up element: 1/3" colour CMOS image sensor. 512(H) x 586(V) -PAL- pixels.



Scanning system: 2:1 interlace. Internal synchronization. Resolution: 350 TV lines. S/N ratio: > 46dB. Min. illumination: 5 lux at F1.4. Electronic shutter: 1/50 - 1/100000. Sync. frequency: 15625kHz(H) / 50Hz -PAL-. Automatic backlight compensation. Automatic white balance. Automatic exposure/gain with 16-zone control. Video output: 1Vpp / 75ohm composite video. 5.0mm lens. 45° viewing angle. Audio output: 20-16000Hz, S/N ratio: > 58dB. Power supply: DC 5-12V / 80mA (regulated) (use PS1205R not incl.). 2 lbs sh. 1.6" x 1.6", Drop shipped from Texas. New, #CAMCOLMHA4N, Retail, \$119.40: Our Price, \$84.95

Fixed Attenuator



Fixed Mini-Type Attenuator, 6 dB, Type "F" connector Female to Male, Impedance: 75 ohm, #33-795, Unused, \$3.00

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CATALOG WS-09

PRS-4 Mine Detector



AN/PRS-4 Mine Detector, Capable of detecting non-metallic and metallic. Detects items Audibly through a headset assembly and visibly on a meter assembly. Mutual inductance. Comes Mine Detector, Headset, Meter, Harness-Knapsack, and transit case. Requires 95 to 135V; and 1.1 to 1.5V. 31.5x14.4x10, 65 lbs sh. #PRS-4, Used, \$195.00

Manual Repro PRS-4, #MM-PRS-4, \$15

Toggle Switch

DPDT Standard Size Toggle Switch by Arrow Hart. 6 amps 125V / 3 amps 230V. Solder terminals. 0.75 X 1.25 X 1 (TOGGLE HANDLE AND MOUNTING THREADS ADD 1.25 INCH). Includes knurled nut and hex nut. #81027CE, Unused \$3.50; 10 for \$25.00



WD-1A Field Wire



Field Telephone Wire WD-1A/TT twin lead vinyl-covered wire. Intended for use with EE-8, TA-43, TA-312 and similar field phones. 1/2 mile of wire on a wood spool, 10.5x7.2, 23 lbs sh. #WD-1A-2640, Unused, \$195.00 each

Field Telephone Wire WD-1A/TT twin lead vinyl-covered wire. Intended for use with EE-8, TA-43, TA-312 and similar field phones. 1 mile of wire on a wood spool, 12x11.6, 44 lbs sh. #WD-1A-5280. Unused, \$350.00 each

94MFD 2250V Cap Assy

470mfd 450 Volt Electrolytic Capacitor. PC tab mount. Placing 5 of these capacitors in series will equate to a 94mfd at 2250 volts capacitor assembly. Ideal for power amplifier and high voltage projects. #MB-470-450. Unused, \$4.00; 5 for \$15.00



Radio Gear Book



Mil Spec Radio Gear Volume 2. By Mark Francis, KI0PF. This high quality comb bound volume features very sharp images on high quality paper. The book is jam packed with valuable information on HF Manpack/Portable Radios, HF Mobile Radios, HF Fixed Radios, VHF Manpack Radios, UHF Manpack/Portable Radios,

Ancillary Equipment, Audio Accessories, Test Equipment and Specialized Equipment. 252 pages, #MSRG-2, \$24.95

PRC-21 Transceiver

RT-209/PRC-21 Transceiver is a "non-tactical" radio, 152-174 MHz on one crystal controlled frequency, designed from the ground up for use by the Army, mostly Military Police. Most military non tactical radios were just adaptations of police radios in use already by commercial users. 8.1x5.7x11.6, 14lbs sh. #RT-209, Used, \$149.50



MD-522A Modem



MD-522A/GRC MODEM, modulator-demodulator for GRC-106/106A HF radio and teletypewriters TT-4A, TT-76, TT-98, UGC-4

or UGC 74. Permits transection of voice, narrow (NSK) or freq (FSK) shift keying, freq diversity and NSK +voice. One-way or duplex Send Receive. Internal loop voltage 120 VDC 60 ma max. Has 2BP1 CRT, U-77 mic & 600 ohm audio connections. Less Meter. Requires 24 VDC 1.4 A, 7x18x13, 41 lbs sh. #MD-522A, \$195.00

MANUAL for MD-522A, part. repro. #MM-MD-522A, \$40

Wireless Inspection Camera



ECG Wireless Inspection Camera allows for easy visual inspections in hard-to-reach areas, even in total darkness or underwater, with 2 super bright LEDs!

Lightweight, handheld design helps you easily find, diagnose, and solve problems. 2.4" Removable color LCD monitor. 3 feet long camera & shaft are waterproof. Video out for recording. Includes mirror, hook, magnet tips and carrying case. Ideal for electrical, HVAC inspection, plumbing, cable routing, etc... One year warranty. 7 lbs sh. #WIC-1, New, Regular Price \$249.99; Our Price \$219.95

Coax Transfer Relay

RF Coaxial Transfer Bypass Relay 24VDC Coil. Has 4 type 'N' connectors with gold pins. Around 20 watts. Made for a FAA project. 3.3x3x2.2 lbs sh. #FAA-RELAY, \$18.99



Radio Dummy Load



50 ohm Radio Transmitter MA/COM Dummy Load. Came out of a piece of equipment that was used at VHF and UHF frequencies. Has a 7.5" coax cable with type "N" connector. We ran it at 50watts for 5 minutes and it got very hot. Should work fine at 10 to 20 watts for a longer period of time. 2.8x2.3x1.6 block of aluminum. 3 lbs sh. #FAA-DUMMY, \$19.99

HP Generator

Function Generator has seven decades of range from 0.1 Hz to 1 MHz. Has sine, triangle, square and pulse outputs. Max output voltage of 10V peak open circuit or 5V peak into 600 ohms. Pushbutton range and function selection add convenience to versatility. 10:1 voltage control and separate pulse output suitable for synchronization or driving TTL logic circuits. Comes with original manual. 10.3x6.2x3.8, 7 lbs sh. #HP-3311A, Used Excellent Checked, \$195.00



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World Radio History

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Motorola Charger



Motorola NLN8858 Radio Walkie Talkie Charging Station. Charges Key Variable Loader batteries as well as the Motorola MX-300 series, MX-800 and STX radios. Output 10.6VDC 1600ma. Input 115VAC 60Hz 500 ma.

8.1x5.1x3.7 #NLN8858A 7 lbs sh. Unused, \$24.99

365PF Air Variable

One Gang Air Variable Capacitor, 5-365pf with a small receiver style air gap. Phenolic insulator. Shaft is 7/16" L x 1/4" Dia. O/A 3.2x2.3x2.3, 3 lbs sh. #A-4026. Unused. \$10.00



Linear Bridge



Rosemount Linear Bridge 414L3 Temperature Control Amplifier, Range: -100F/ +500F; Input 115VAC; Load 10K Ohms. Has standard octal base. 3.9x2x2, 2 lbs sh. #414L3, Unused \$19.99

Canvas Bag

Durable Canvas Bag with shoulder strap 10.5x7.3x7.5, 2 lbs sh. #HO-25A, \$12.00



5VDC Supplies



5 VDC 100 Amps Regulated Rackmount Power Supply, Panel Meters 0-6V and 0-150A. Minimal adjustment on volts and amps. Fused.

Requires 105-125CAC 60 Hz. 19x18.5x5.3, 107 lbs sh. #HV-G-5-OVM, Used Operational, \$99.50

Large High Current Power Supply. Has five internal modules:

3 each 5V 70A SPS-2599, +18V 70A SPS-2679, & -18V 70A SPS-2680

Power input 208VAC. Made by Trasistor Devices. 19x22.5x10.5, 110 lbs sh. #SPS-2678, Used good condition repairable, \$175.00



Large High Current Power Supply. Has three internal modules: 3 each 5Volt SPS-2688, no output current data but fairly heavy. Power input 48VDC. Made by Trasistor Devices. 19x22.5x10.5, 110 lbs sh. #SPS-2691, Used repairable, \$75.00



5VDC 10 amps, +15VDC 0.7 amp, -15VDC 0.7 amp Power Supply by Power One. Primary 115/230VAC 60Hz. On/Off Switch. Fused. 16x4.5x2.6, 11 lbs sh. #1001932, Used, \$15.95

0-280V 7.5A Variac



0-280VAC 7.5 Amps Variable Transformer by Powerstat Superior Electric. Comes with knob and dial plate. Requires 240V 60Hz. 6.2x5.8x5.3. 19 lbs sh. #226U, Unused, \$150.00

Military Equipment Books



Secret - US Airborne Radar Sets November 1, 1944. Covers basic information about the early radars that won WWII. Covers frequencies used, aircraft installed in, type of power output tube, various components of system. No pictures, sorry. 11x8.5, 176pgs, #BK-1944, \$24.95

US Armor and Communications, Reprint of info on various radio equipment and accessories used by the U.S. military during the 1970's. Used at Army Armor school Fort Knox. 200+ pages. #BK-ATM, \$15.00



Insulators



Thru Panel Insulator. 4" long x 1 1/4" diameter. Has a screw post terminal on one end. #INS-TP, \$7.50

Brown porcelain strain insulator. 1.4" diameter X 2.4" Tall with two 3/8" diameter holes. #INS-BPS, \$4.75; 2 for \$8.00



Flexible Coupling



Copper Flexible Coupling. 3/8" to 1/4". #COUP COP, \$10.00

R-390A Connector

Hard to find R-390A ballanced input adapter Goes from Twin-ax male to a type C female. #UG-971, Unused \$39.00



500pf 15KV Cap Assy



Two 500 pf 15KVDC Capacitors mounted on a 2.5"x 1.7" aluminum plate. #HVCAP-ASSY, \$7.50

Rack Mount Ears

3.5" Rack Mount Ears by Hewlett Packard. With mount screws. #5061-0074, Unused, per set, \$15.00



12MHz Crystal Oven



CRYSTAL OVEN holds one 12.0MC CR-36 Crystal (included). Operate from 27.5 VDC and plug into octal socket. #NE-62, Used, \$10.00

Guy Stake



17" Heavy Duty Cast Steel Guy Stake. 3 fluted. 1.4" Diameter. Has 1/2" diameter hole near top of stake. #GS-17, 5 lbs sh. Used, \$10



GOD IS JUST A PRAYER AWAY

Fair Radio buys your excess material. We may be interested in some items in low quantities, but prefer higher quantities for our catalog sales.

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FOR ORDERING INFORMATION SEE PAGES 19

R-390A Parts & Assy

Maintenance Manual Reproduction for R-390A, \$27.00
Operators Manual Reproduction for R-390A, \$14.00



VFO from R-390A HF receiver with 5749 tube; various mfg (no choice). 4x3x7.5, 4 lbs, used dented less connectors & coupler "as-is", #VFO/R390A,\$32.00

455KHz Beat Frequency Oscillator for famous HF Receiver R-390A. UNUSED CONDITION! 3.3x1.5, 2 lbs sh. #390A-BFO, \$37.50



Replacement assemblies & parts for the R-390A:

AC Terminal Protective Cover, #390A-ACP,	\$9.50
CRYSTAL OSCILLATOR (no crystals) #390A-CO,	\$30
CRYSTAL, BAND, #390A-(crystal freq.)-CR,	\$14
DIAL, COUNTER, #390A-DC,	\$30
GEARS, #39, #390A-G-39; or #21, #390A-G-21,	\$14
GEARS others less clamp, #390A-G-(specify #),	\$4
GEAR CLAMPS, 1/4" only, #390A-GC,	\$4
HANDLES per pair, #390A-HAND,	\$21
KNOBS, small size, #390A-SM,	\$7
KNOBS, medium size, #390A-MED,	\$7
POWER SUPPLY without tubes, #390A-PS,	\$45
TRANSFORMER, RF, #390A-RF- (specify #)	\$13
TRANSFORMER, IF, #390A-IF- (specify #)	\$16
SLUGS, IF Variable, #390A-SL-IF,	\$7



Test Connectors to make test extender cables for R-390A receiver. You

receive the 5 male/female connector pairs with covers to make the following extender cables along with instructions from manual: P110-J410(Crystal Osc), P111-J8111/P119-J619 (Power supply/Audio), P120-J620(Audio), P112-J512(IF Amplifier), P108-J208/P109-J709(RF Amplifier/VFO). #390A-CON, \$79.95

R-390A Fuses, New,

0.1 amp (good replacement for 1/8 amp), #6FF0.1N, 5 for 2.50, 10 for \$3.95
0.25 amp, #6FF0.25N, 5 for 2.50, 10 for \$3.95
3.15 amp (good replacement for 3 amps), #6FF3.15N, 10 for \$1.95

--- COVERS FOR R-390A ---

Hard to find aluminum replacement top and bottom covers for R-390A series. Very close to original. Newly manufactured, #390-TB, \$99.95
RF Cover, Newly manufactured, #390-RF, \$30.00
Set: top, bottom, & RF; newly mfg, #390-S, \$119.95

--- NAME TAGS FOR R-390A ---

Reproduction Name Tags for R-390A radios. Multiple mfg available. New, \$29.99 each



Motorola Large Print, 3"Wx7/8"H, #TML390
Motorola Small Print, 3"Wx7/8"H, #TMS390
Collins, 2.5"Wx1"H, #TC390
Electronic Assistance Corp., 2.5"Wx1"H, #TE390
Stewart-Warner, 2.5"Wx1"H, #TS390

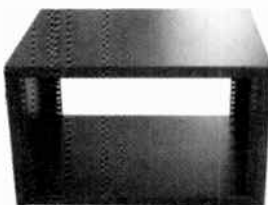
R-390A Connectors:

UG-573 Type "C" Male Unbalanced Silver Plated Connector/ R-390A. #UG-573, Unused cut-off,\$7.50
Twin-Ax male, Amphenol, New, #82-5589-RFX, \$11.50; 3 / \$30.00
Mini-BNC p/o R-390A, #390A-MBNC, used, \$3.50
As above but chassis, #390A-MBNC-CH, used, \$3.50



Hard to find R-390A balanced input adapter. Goes from Twin-ax male to a UHF female. Unused, #UG-970, \$46

R-390A & 51J4 Rack



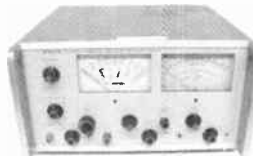
Standard 19" Rack Cabinet for R-390A, R-388, SP-600, etc... 16-gauge steel, Rails are fixed both front and rear, round hole punched for 10-32 clip-nuts to full EIA hole centers (5/8 - 5/8 - 1/2 inch spacing).

Includes rubber feet, 2 lifting handles, a starter pack of 10-32 clip nuts & matching black screws. 10.5" Rack Height. Overall height 2" over panel height. 17" deep. Overall width is 21". Recommended maximum weight 600 pounds. Rugged powder paint finish. Hammond Mfg. 38 lbs sh. Drop shipped from NY. New, #RCBS1901017BK1, \$156.95 each

Standard 19" Rack Cabinet for 51J4, R-388 etc.... It's the same rack cabinet as above except it is 13" deep. #RCBS1901013BK1, \$119.50 each

RFI Receivers

Singer model #NM-17/27 is a programmable, precision electromagnetic interference/field intensity meter for the measurement of conducted or radiated RF interference, within the frequency range of 10KHz to 32 MHz. May be used as a VLF unit. The instrument may be used to analyze narrowband or broadband signals within its frequency range. Field intensity or direct peak detector functions may be used for measurements in addition to quasi-peak, slideback peak and BFO detection modes. AM, FM and PM signals may be detected and are available at the video output receptacle for oscilloscope display. Requires 115/230V at 50 to 400Hz. 18.5x16.7x8.7, 55 lbs sh. #NM-17/27, Used repairable with manual repro, \$685



#NM-26T Stoddart type, EMI Rcvr, 150KHz-32MHz, \$685

FAIRCHILD ELECTRO-METRICS R-70B RFI RECEIVER uses 8 tuning heads covering 0.5 to 1100 MHz; with two cases and manual, #R-70A, \$795.00

Selective Level Meter



Rycom 6041 Selective Level Meter / VLF Receiver makes measurements of both level and frequency on frequency division multiplex (FDM) equipment base-band signals.

Although its primary application was intended to be on high-density long-haul microwave systems, the 6041 SLM may be employed on any communications equipment requiring selective/wide band level or frequency measurements. Frequency range for Wide Band Level Meter and Frequency Counter: 50 and 75 ohm - 300Hz to 3.5MHz; 124, 135, 150 ohm - 4KHz to 2.0MHz; 600 ohm - 300Hz to 100KHz. Requires 115VAC 60Hz or Battery. Battery holds a charge for the short term but is sold As-Is. 10.1x12.2x8, 24 lbs sh. #RYCOM-6041, Used Operational, \$595.00

ILS Receiver



FA-8766 PORTABLE ILS TEST RECEIVER, covers 108.1 to 111.9 (5uv sens) and 329.3 to 335.0 (25 uv) Mhz with separate crystal controlled front ends feeding a common 60 mhz IF through a combiner and then converted to a 3 Mhz second IF. The RF and IF sections are in cast metal shielded assemblies.

The solid state receiver has audio and AGC detectors. The audio circuits have 90 and 150 hz band-pass filters, the audio is rectified and the output used to drive the DC meters. This unit is a good basis for modification and experimentation. Power input 120 vac or 18 vdc. Receiver has nicad battery/charger circuit. No warranty as to serviceability of battery. See our web page for more pictures. 10.1x9.5x12, 23 lbs sh. Crystals not included. With schematic/info. #FA-8766, Used \$39.50; 4 for \$100.

COLLINS 208U-3A

208U-3A POWER AMP automatically tunable over 2 to 30 Mhz SSB-AM-CW @ 3 KW PEP for use with URG-2 radios. Uses 4CX5000 PA tube; tune time 6 sec nominal, 10 sec max. With modules 333H-2 Electronic Control Amp, 309F-1 Digital to Analog Converter, 915V-2 Amp Control, 652J-13 Power Supply, 599Z-1 Test Panel and 915X-1 Control Monitor. Includes manual copies for all components except 915X-1 & 599Z-1. 72.5x32.6x31; 1200 lbs sh.



#208U-3A, Used not tested less 4CX5000, \$3700.

225 to 400 MHz Amp



AM-914/TRC AMPLIFIER-CONVERTER, plug-in for R-417 receiver in 225-400 MHz range. Continuous tuning of RF and oscillator; 30 MHz IF. Modify and use as down-converter! With tubes 5670, 4/6J4. Requires 150 VDC & 6.3 V. 7.5x6.5x9.5; 15 lbs sh. #AM-914, Used, \$46.00

#AM-1179/GRC, 50 to 100 MHz, used, \$52.00
#AM-1177/TRC, 400 to 600 MHz, used, \$57.00
#AM-3203A/TRC, 1.35 to 1.9875 GHz, used, \$64.00

Rockwell Preselector

HF-8064 4-CHANNEL HF PRESELECTOR, auto-tuned bandpass filter for HF-8054



receiver & HF-8014. Provides front-end selectivity & overload protection for Rx; improves cross-modulation & out-of-band intermod. Power: 100/115/215/230 V 47-63 Hz. 5.3x19x24, 32 lbs sh. #622-3522-203, used, \$795.00

UHF Preselector



F-1506/G UHF Tunable Band Pass Filter / Preselector covering 225-400 MHz dial tuned. Consists of Lark Engr. FX4000-089 filter with N

conn in rackmount package. 5x19x18, 25 lbs sh. #F-1506, Used, \$99.50

VISIT OUR WEBSITE AT FAIRRADIO.COM

AM-6154 Amplifier



AM-6154/GRT-21 Power Amplifier conservatively rated for 50 watt output from 10 watt exciter input over 116-150 MHz; uses Eimac X651Z/8930

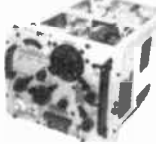
or Amperex DX393 tetrode (no choice) in silver-plated cavity-drawer; 175-turn TUNE counter dial. Main chassis has solid-state power supply and buffer amp/multiplier; panel meter monitors voltages. Requires 105/120/240VAC 50-400Hz and +20 volt reg 60ma, +20 volt keyed; w/ schematic info. 7x19x18.5, 80 lbs sh. Used Repairable, #AM-6154,\$345
Bias Supply from AM-6154 or AM-6155 amplifier. 7.1x5x4, 7 lbs sh. #BS-6155, Used, \$40.00

AC - AC Inverter from AM-6154 or AM-6155, 7.1x5x4, 7 lbs sh. #INV-6155, \$46.00

602-999 MHz Amp

AM-1957 AMPLIFIER-OSCILLATOR, 601.5 to 999.5 MHz plug-in for T-893/GRC-50 transmitter.

Utilizes three 7289 tubes as 651-1049.5 MHz oscillator, -50 MHz mixer and 15 watt power amp. Directional coupler detects Reflected Power and provides monitor output for external meter circuit. RF passes through duplexer having identical receive/transmit sections each with two cavities. (Receive signal routed to separate AM-1955 receiver module.) Transmit RF then moves to second directional coupler which detects Reflected Power also with output for external meter. Wavemeter samples output RF for frequency measurement using calibration chart. Cathode current of each 7289 regulated by external 250 VDC, 650 VDC, 800 VDC, 5.7 VAC, 5.5 VAC. Schematic and info included. 8.9x11x16, 36 lbs shipping. #AM-1957, Used, \$79.50



AM-1955A/GRC AMPLIFIER CONVERTER used with R-1148A/GRC-50 receiver for 600-1000 MHz band; 60 MHz IF. Uses 4037A/2C40A tube as oscillator; also 5654, 2/5842. W/ wavemeter & calibrate book. Requires 150 VDC, 6.3 V. 15x9.5x8, 30 lbs sh. #AM-1955A, \$35.00

T-195 Transmitter



T-195/GRC-19 TRANSMITTER 1.5-20 Mhz AM-CW-FSK in ten bands manual or auto tune. Power output 100 W (1.5-12), 90 W (12-16), 80 W (16-20 MHz).

Uses two 4X150D tubes in power amp & 20 other tubes. Requires 22-30 VDC 42 amps input (9 amps "standby") for dynamotor supply. LESS METERS. With replacement knobs. Companion to R-392 receiver. 11.5x22x14.5, 135 lbs. #T-195, Used Repairable,\$320
MANUAL for T-195, partial repro, #MM-T-195, \$35.00
Power Connector, #CONN-T-195, \$23.00
Spare Air Filter for T-195, #MK-312, \$14.00

MD-203 FSK Modulator

MD-203/GR Radio Transmitter Modulator for the T-195/GRC-19 Transmitter. The MD-203 is a link in a complete radio teletypewriter comm. system. The teletypewriter signals developed in Teletypewriter TT-98 are supplied through Junction Box J-668 to the MD-203. The MD-203 is connected to the exciter section of the T-195 to produce shifts in the CW signal. Uses tubes 7/26A6, 1/26A7. Less knobs. 9.1x13.8x7.3, 26 lbs sh. #MD-203, \$33.00



GRT-21/22 Transmitter



T-1109 Transmitter from AN/GRT-22 Radio Set. Frequency coverage is 225-400 MHz AM in 3500 channels. The crystal controlled transmitter has 10 watts output. Associated amplifier is the 50 watt output AM-6155. Requires 120/240 VAC. 18x19x5.3, 50 lbs sh., #T-1109, Used, \$69.50

T-1108/GRT-21 Transmitter same as above except 116-150 MHz in 680 channels. Associated amp is AM-6154. #T-1108, Used, \$69.75

Schematic Pack f/ T-1108/T-1109, #SCH-T-1108,\$21.

RF Amp / Preselector



TN-612/G Prepost Selector, consists of RF preselector and broadband power amp. Pre-selector operates in four bands 1.8-3.6, 3.6-7, 7-14, and 10-24

Mhz. Microprocessor-controlled unit has no front panel controls except ON-OFF and indicators for OV DE, OVL, ATT, BITE, TUNE plus silver-plated coils and 3-gang variable capacitor. Frequency is selected by twelve Kilovac HC-1 vacuum relays and nine mini-coax relays along with motor interface adapters. Relays actuated by driver transistors. RF power amp uses four transistors S15-28, T9-0664 and two MRF-466 as output amplifiers. P/o GRC-215 HF-SSB; no further info. Requires 115/230 VAC 50-60 Hz; 4.5x19x17, 46 lbs sh. #TN-612, Unused, \$345.

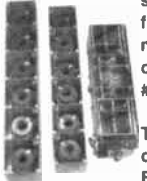
Broad Band Power Amplifier Assembly covering 1.6 - 24



MHz removed from the TN-612 pre-post selector. Uses S15-28, T9-0664 and 2/MRF-466 transistors. 24 VDC. No further info at this time. 2.3x17.3x4.5, 9 lbs sh. #AMP-612, \$92.00

Coils and Variable Capacitor removed from the TN-612 Preselector.

Two silver plated coil boxes each with six coils. The preselector was supposed to cover 2 to 30 mhz in 4 bands. 3 coils for each band. Each coil silver plated wire on epoxy from with ferrite slug is in its own compartment with a glass piston variable capacitor. 13.1x2.2x3.3, 7 lbs sh. #612-COILS, \$58.00



Three section fully shielded variable capacitor 35 - 300 pf per section. Each section is shielded from the others. The insulation material looks like ceramic. Very high quality. 10x2.7x3, 6 lbs sh. #612-CAP, \$40

Both Coils and the Variable Capacitor as listed above. #612-KIT, \$87.00

ARC-51BX UHF Tx-Rx

RT-742/ARC-51BX UHF Aircraft Transceiver, 225-399.99 MHz AM in 3500 available channels, 50 KHz spacing; also has guard channel. Output 16 watts min. RF impedance 52 ohm input & output. Audio and mic impedance 150 ohms. Doesn't include ID-1003 SWR indicator; separate control box necessary for function & freq-selection. W/ tubes 4/ 7077 and 4/ 7544; requires 27 VDC 13 amps. 7x9.5x15.1; 35 lbs. #RT-742, Used, \$225.00



FAA Radios



TRX-103 UHF Solid State 3 channel, crystal controlled, AM Transceiver type FA-9606 covering the military aviation 225-400MHz band. Has built in speaker. 50KHz channel spacing. Transmitter output is 3 watt.

Antenna impedance 50 ohms. Receiver IF is 21.4MHz. Requires 115VAC 60Hz or 24VDC. Crystals not included. Condition of internal battery AS-IS. 14.1X14.2X7.7, 43 lbs sh. Manual repro included. #TRX-103, Used Repairable, \$172.00

TRX-102 VHF AM Transceiver type FA-8979 is similar to above except covers 118-136MHz and requires 120VAC 60Hz or 12VDC. Crystals not included. Condition of internal battery AS-IS. 13.8x13.8x7.9, 38 lbs sh. Manual repro included. #FA-8979, Used Repairable, \$185.00

It is unlawful to operate on these frequencies unless you have a license to do so.

Aircraft Receiver

R-761/ARC-58 Receiver covers 2 to 29.999MHz, companion receiver and exciter to T-730. Req. 115 VAC 400 Hz input. 7.8x10.3 x23.5, 55 lb. #R-761, used, \$225.00
SCHEMATIC, #SCH-R-761, \$14.00
Control for freq-select; 6 lbs. #C-3141, Used, \$30



MODULES from AN/ARC-58 or TRC-75 radio sets. Each 4.8x4.5 x1.5, 2 lbs sh. USED-not tested:
AMPLIFIER DETECTOR, 4x 5899 tubes; p/o R-761, #AM-1523, \$30

ELECTRONIC CONTROL AMPLIFIER p/o T605/T-730 xmitter, #AM-1525, \$23.00

Similar to AM-1523, #AM-1526, \$29.00

AMPLIFIER-MIXER for R-761 with ten tubes and slug rack, #AM-1528, \$52; Schematic, #SCH-AM-1528, \$5

AMPLIFIER OSCILLATOR with Collins mechanical filter P455 Z1, #AM-1529, \$40.00

243 MHz Receiver

Transistorized Guard Receiver from modified RT-178/ARC-27 (5821-953-9695) UHF transceiver. One channel in 238 - 248 mhz range. IF's 25.1/3.48 Mhz. Has detector, noise limiter, AVC. 4/2N1745 transistors and 25.1 mhz filter. 8 x 4.5 x 4, 6 lbs sh. No Schematic. #ARC-27, used, \$25.00



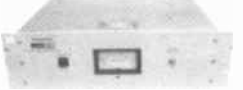
Microwave Transmitter



AML-STX-141 Single Channel Microwave Transmitter 12.7 to 13.25 Ghz operation, 5 Watt output. Manufactured by Hughes. A VHF input of 50 - 450 mhz

single sideband suppressed carrier is upconverted to the output frequency. This unit consists of a solid state source, Frequency Sources MS-800XEL-06 or equal, various waveguide bandpass filters and other components. Removed from service. W/ info. With interconnect cable and power supply, 20.3x19x10.2, 47 lbs sh., #AML-STX-141, Used Repairable, \$145.00

Hughes AML Klystron Power Supply, Power input 95 - 130 VAC, Output -2200 VDC 130 ma and 6.3 vdc

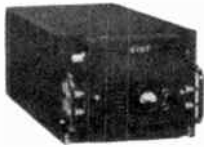


1.3 amp current limited and adjustable. Meter monitors output voltage or current. 16 x 19 x 5.25, 37 lbs sh. with info. Power supply only, #PS-141, \$50.00

CALL US AT 419-223-2196 or 227-6573

24 HOUR FAX 419-227-1313

Collins 618T



COLLINS 618T-2 SSB AIRBORNE TRANSCIVER, 2-29.999 Mhz SSB-AM-CW in 28000 channels. Power output: 400 watts SSB-PEP 125 W AM-CW; 52 ohm output impd. Sensitivity SSB: 1

uv for 10 db S+N/N. Selectivity SSB: 2.85 KHz, 6 db down; 6.0 KHz 60 db. Audio input: 600 ohms. Uses two 4CX250's in P-A. Switch & meter monitor internal power. Separate control necessary for channel select. Racks & cables not available. Requires 115 V 400 Hz 3 phase 1 KVA & 1 phase 160 VA; also +27 VDC 4.5 amps. W/ manual repro; 7.6x10x22.2, 58 lbs. #618T-2, Used reparable with K9 osc, \$635.00

Like above but requires 28 VDC 35 A and 115 V 400 Hz 1 phase 100 VA. #618T-3, Used, \$800.00

MODULES FROM COLLINS 618T HF TRANSCIVER, as removed from equipment--not tested:

AM AUDIO AMP has mech filter F500 Y60 (526 9378); 2 lbs sh. #546-6053, \$52.00

IF TRANSLATOR has LSB-USB filters F500 Z4 (526 9377) & Z5 (526 9376). Mech. filter as used in PRC-47 to modify for LSB operation, #544-9286, \$115.00

KC- FREQUENCY STABILIZER, has mechanical filter F250 F100 (526 9410) and crystal filter X250KF440 (526 7006); 3 lbs. #618-KC-FRQ, \$46.

RF TRANSLATOR with K9 oscillator, 15 lbs. #618-RF-TR, \$230.00

618T RF Reference Osc. Module, includes 3 MHz crystal oven which is divided to 500 KHz output, amplified and then divided again to produce 100 KHz output. 4.3x6x2.7, 2 lbs #528-0251-005, used, \$28.00



COLLINS 490T-1A (CU-1669A) AUTOMATIC ANTENNA COUPLER for 618T and similar 2-30 MHz transceivers; rated RF input 630 W PEP, 200 W average. Matches 25 ft or longer whip or 25-100 ft long-

wire antenna to 50 ohm line. Terminal for wire and "C" coax connection. Has 5-500 pf 10 KV vacuum variable capacitor and variable step-coil. Requires 115 V 400 Hz; 7.6x 10.1x12.6, 24 lbs. #490T-1A, Used not tested, \$575.

Collins 618T URM-157 Test Set, Consists of TS-1949/URM-157 and cable which connects the TS-1949 to the 618T. The radio set control is part of the TS-1949. Has meter to indicate forward / reflected power 200/2000 watts. Also provides connections for microphone, headset, audio in, and key. Power input connector also provided. Connections for 516H-1, antenna coupler, DC in, AC out are on the test set (Webpage for available connectors/cables). 34 lb. #TS-1949-U, Used \$400; TS-1949 only, less control box, 18 lbs #TS-1949-O \$150

FM Transceiver



MAGNAVOX FM-622 (RT823/ARC-131) Airborne Transceiver, covers 30-76 Mhz FM in 920 channels, 50 KHz steps. Output 1 watt in LO; 18 W max HI @ 29 VDC RT has Squelch Disable & Adjust, Test switch. Meter monitors +24 V-+16 V-AGC-RF FWD- RF REFL-OFF. Control box provides channel select,

Volume, Squelch, OFF-TR-RE-TRAN HOME switch. Has some modules common to RT-524/VRC-12. Requires 24-29 VDC 4 amp max. Rack & cables are N/A. 7.8x5.9x15.6, 31 lb #FM-622, Used w/control box, \$295.00

ARC-105 HF Radio



RT-712/ARC-105 HF TRANSCIVER, pressurized 618T2; modules interchangeable. Covers 2 to 29.999 MHz SSB-AM-CW in 28000 channels. Front has hour meter, C and BNC connections. Separate control needed for freq-selection. Connectors not available; Requires 115VAC 400Hz 3 Phase. 10.5x 11.5x23, 70 lbs. #RT-712, Used, \$400.00

500 KHZ IF AUDIO AMPLIFIER, IF and Audio Module from Collins transceiver. Four stage 500KHz IF amplifier w/6 khz collins filter, AGC Detector, Low level audio amplifier. Also has 3 transistor microphone amplifier as part of its function in the transceiver. Power req. IF amp 18 VDC, Mic amp 24 VDC. w/schematic, info, power connector. #105-AA, \$44.00

Precision RF Oscillator Module produces 500 KHz and 100 KHz reference signals from a temperature compensated 3 Mhz crystal oscillator. Requirements were 3 Mhz +/- 2 hz, 500 KHz +/- 0.4 hz, 100 KHz +/- 0.4 hz. Operates from 18 VDC. w/schematic, info, power connector. #105-OSC, \$40

IF TRANSLATOR MODULE FROM COLLINS ARC-105, pressurized version of 618T HF TRANSCIVER, IF TRANSLATOR module has LSB-USB filters F500 Z4 (526 9377) & Z5 (526 9376). This unit provides the mechanical filter used in the conversion of the PRC-47 transceiver to allow LSB operation. Removed from equipment not tested. 4.3x2.9x4.7, 4 lbs sh. #105-IF, \$80.00



From ARC-105 115V 400Hz 3 Phase Power Supply Module produced 1500 VDC for 400 Watt PEP transceiver using 2/7204 tubes, and 250 VDC 70 ma. 10.3x4.3x4.8, 13 lbs sh. #105-PS400, \$35.00

HF Power Amplifier from ARC-105, 400 W PEP 125 W AM 2-30 mhz in 8 bands. Module has two 7204 tubes and associated output tuning circuitry. Band selection is controlled by 28 vdc motor. The grid tuning circuitry is NOT part of this module. Output inductor is tuned with 115 v 400 Hz motor. Requirements 1500 VDC, 28 VDC, 27 VAC filament, 115V 400 Hz. #PA-105, \$140.00

ARC-109 Transceiver



RT-749/ARC-109 UHF AIRCRAFT TRANSCIVER, solid-state Collins unit operates on 225-399.95 MHz AM, DSB and A3 phone @ 30 watt min. 3500 available channels in 50 KHz intervals plus 243 MHz

guard channel. Uses 4631 tube in P-A; 150 ohm audio/ mic impedance. C-6364 control necessary for channel select; cables & racks not available. Replaced ARC-27-34-51-52. Requires 115 V 400 Hz 3 phase. 6.8x9x16, 29 lbs. #RT-749, Used reparable, \$395.00

SCHEMATICS #RT-749, repro, #SCH-RT-749, \$18.00

CONTROL, used, #C-6364, \$63.00 w/set purchase.

Transponder



BC-645 (part of ABA-1 set) Airborne Interrogator Transponder covering 460 to 490MHz. 15 tubes. Part of SCR-515. Receiver IF is 40 MHz. Transmitter is a tuned-line oscillator which operates on either of 2 pre-adjusted frequencies in the range 435 to 500 MHz. Powered by PE-101 (Not Available) from either 12 or 24 volts. 13.5x10.5x4.8, 20 lbs sh. #BC-645, Unused, \$92.00

Complete System: Includes RT, two antennas, dynamotor, control, and connectors, #ABA-1, \$250.00 Manual Repro for ABA-1, #MM-ABA-1, \$35.00

Collins VHF Tx-Rx Set

AN/ARC-73 AIRCRAFT RADIO SET designed by Collins; consists of T-879 (17L-7A) transmitter, R-1123A (51X2B) receiver, C-4074 (614U) control and MT-2699 rack. T-879 covers 116 to 149.95 MHz AM in 50 KHz steps (680 channels) with 25 watt output to 133.95 MHz and 20 W min. above. Sidetone level 100 MW into 500 ohms; mic impedance 100 ohms. R-1123A covers 108 to 151.95 MHz in 50 KHz steps (720 channels). Sensitivity 3 uv; audio output 500 ohms. Both have antenna input impedance of 52 ohms and require 27 VDC (7.3 amp max transmit) power. Both utilize tubes and transistors. C-4074 control sets frequency on mechanical counter and has Volume, Squelch, and On-Off functions. Mating connector not available. Less MT-2699 mount. Operator's manual and schematics included; 9.5x8.5x16, 40 lbs. #ARC-73, used, \$189.50



TRANSMITTER only; 20 lbs #T-879, Used, \$79.50 RECEIVER only; 19 lbs sh. #R-1123A, Used, \$85.00 CONTROL BOX for frequency select, volume control, etc; w/ set purchase. #C-4074, Used, \$30.00

ARC-54 Transceiver



RT-348/ARC-54 VHF Aircraft Radio Set, FM unit covers 30-69.95MHz in 800 channels with 50Hz spacing, 10W, X-mode capable, 27.5VDC at 7 Amps, Mfg by Collins. 15x5x7.7, 25 lbs sh. #RT-348, Used, \$199.50

SCR-508 Radios

BC-603 / SCR-508 superheterodine FM receiver covers 20 to 27.9MHz.

The receiver can deliver an output of approximately 2 watts to its self contained speaker or about 200 milliwatts to its headset circuits. The front panel contains 10 push buttons by means of which any one of 10 pre-adjusted receiving channels may be selected. IF (nominal) 2.65MHz. Bandwidth 80KHz. Comes with 12VDC dynamotor. 6.8x12.5x11.5, 40 lbs sh. #BC-603, Used not tested, \$175.00



BC-604 FM Transmitter covers 20-28MHz, and delivers a carrier power to the antenna of approximately 30 watts. 10 crystal channels. 8 tubes. Comes with 12VDC dynamotor. 10.3x18x11.5, 73 lbs sh. Used not tested. Not sold separate.

FT-237 Mount will hold one BC-604 and up to two BC-603 receivers. 54 lbs sh. Used. Not sold separate.

One each of BC-603, BC-604, and FT-237, #508-SYS, \$980.00

PLACE YOUR ORDER OVER THE WEB AT FAIRRADIO.COM

Test Panel



Test Panel for Wilcox 807 VHF transceiver with control box 97733-100, ITT Cannon connector for rear of Wilcox 807, test points for the following:

Data Link input, 0 dbm input, mike input, data link output, receiver output, sidetone output, detector meter, detector input, scope output. Mike, sidetone, and receiver audio jacks. External squelch; on/off, control, disable. Audio on/off. PTT disable. Overall dim., 15.8x22.2x8.8, 32 lbs sh. #807-TP, Used, \$169.50 Control box for Wilcox 807. #97733-100, \$69.50

Rack Cabinet only from above less the front panel, control box and cables. Has a 7" height opening and an allowance of 14" deep. Has louvered sides. The top of the cabinet opens for easy access. Has 2"Hx20"W hole along the base of the rear of the cabinet. 28 lbs. #807-RACK, Used, \$59.50

GRC/VRC Equipment

RT-68/GRC TRANSCEIVER, 38-54.9 MHz FM continuously tunable or 100 KHz-step channels. Receives and transmits both voice and 1600 Hz ringing FM; range 10-15 miles. Receiver circuit has variable 1st IF 4.45-5.45 MHz and fixed 1.4 MHz 2nd IF; also squelch and 600 ohm audio output. Transmitter uses crystal-controlled oscillator and oscillator power amp; power output 2 watts (LO) or 15 W (HI). Also meter to monitor xmitter filaments and 90 V input. Requires PP-109 or -112 power supply. Tubes 4/1U4, 2E24, 2/1A3, 2/1L4, 4/1R5, 2/1AE4, 1S5, 4/3Q4, 3A4, 3/3A5, 2/3B4, 6AK5. 9x13x11.3, 42 lbs sh. #RT-68, USED, \$150.00 TRANSCEIVER, 20-28MHz, #RT-66, USED, \$115.00



PP-112/GRC 24 VDC SUPPLY for RT-66-67-68 transceivers; provides all voltages from 24 VDC 6.5 amp input. Case may have casting chip(s); 7.3x9 x13, 39 lbs sh. #PP-112, USED, \$37.00

PP-109 Supply, 12 VDC 12 A input. #PP-109, Used, \$46 #CX-1211 INTERCONNECT CABLE, RT: PP units, \$17

R-108/GRC RECEIVER, 20 to 28 MHz-FM continuously tunable with variable squelch; 4.3 MHz I.F. Audio output: 600 ohms. RF input: 50 ohms. With tubes 3/1U4, 2/1L4, 1A3, 2/3A4, 1S5, 2/3Q4, 2/6AK5 & 0B2. Requires 135 VDC @ 70 MA. and 6.3 VDC 2 amps. 7.5x9x13; 32 lbs sh. #R-108, Gov't-Reconditioned, \$75



Same as R-108 except 27-39 MHz. #R-109, Used, \$69.50

R-442/VRC Receiver

R-442/VRC RECEIVER 30-75.95MHz FM RECEIVER. 920 50 KHZ CHANNELS. Has noise and tone operated squelch. Normally used with antenna system AB-15, MS 116, 117, 118. Power connections through MT-1898 mount and DC power cable, CX-4720 which are included. 13.5, x 5.8 x 8.9, 31 lb sh. #R-442, Used Repairable \$345.00



PRC-41 Manpack

RT-695/PRC-41 UHF MANPACK UHF TRANSCEIVER, 225 to 400 MHz AM in 100 KHz steps counter; output at least 3 watts over range. Also has guard channel, Volume, Squelch, and U-77 connection for H-33 handset. Solid-state except for tubes 6442, 4/7077, and 4/7544. Requires 24 VDC 3 amps; 14x11.3x4.5, 22 lb. #RT-695, Used, \$195 Used Checked, #RT-695-CH, \$400.00 Manual for PRC-41, partial repro, #MM-PRC-41, \$27 HANDSET, #H-33, used-checked, \$35.00 VEHICLE MOUNT for PP-3700, 4lb., #MT-2977, \$13



Vintage Equipment !!!

VINTAGE RADIO LINE ITEMS see our website for current stock. At time of printing we had these items in stock. All items are used not checked.

24VDC 50 Amp Gas Generator \$350.00
AM-8 TRA-1 Amplifier less tubes \$85.00
AM-65 unused w/book \$125.00
APX-6B IFF \$75.00
ARC-1 VHF Transceiver \$115.00
BC-306 WW2 Tuner p/o BC375 \$115.00
BC-310B Compass Receiver \$175.00
BC-788 Alltimer \$95.00
BC-906 Wavemeter \$75.00
C-845 VRC control/speaker AC supply \$150.00
C-847 Speaker Control used \$35.00
C-847 Speaker Control NOS \$55.00
Control Panel from Gas Generator no ID \$145.00
F-237 Bandpass Filter \$65.00
I-208 FM Signal Generator WW2 \$85.00
MD-7 modulator email
PE-162 Gas Generator GRC-9 \$350.00
R-5/ARN-7 Compass Receiver \$150.00
RA-62 Power Supply poor \$75.00
RBM Receiver no ID plate \$195.00
RS-6 Emergency Radio email
RT-7 APN-1 Altimeter \$125.00
RT-70 unused w/book \$150.00
T-23/ARC-5 VHF Transmitter \$85.00
TCS Receiver email
TG-34A Code tape player \$50.00
TS-164 Cabinet \$35.00
Type 1 Aircraft Torpedo Camera \$599.00
VRC-19; T27B, R394, DY193 CY938 \$175.00
ZB-2 Receiver \$95.00

USB Receiver-Exciter



RT-662/GRC-106 TRANSCEIVER, 2 to 29.999 MHz USB-AM-CW-FSK; tunes using 5-decade mechanical switches to 1 KHz steps + vernier. Exciter output 100 MW. Controls: Service Selector, PA Load, Squelch, Noise Blanker, BFO and audio functions. LESS Signal Level meter. Requires 24 VDC 10 amp; 7x18x13, 56 lb sh. #RT-662-UR, Used Repair. not tested/LESS meter, \$345 #RT-662-CH, "Checked" w/ meter (not original), \$575

RT-834/GRC-106A, similar to RT-662 above but 2-29.9999 MHz, 0.1 KHz increments. Used: #RT-834-UR, Repairable no meter, \$400.00 #RT-834-CH, Checked with sub meter, \$635.00

GRC-106 MODULES for RT-662 and RT-834, most modules available except 1A3 Freq-Standard removed from "used" radios. 2 lbs sh. Price: UNTESTED, \$25 ea. Add \$25 per module for "CHECKED" modules. #MOD-(specify module #-) (specify RT #-): (untested "UNT" checked ("CH")

AM-3349/GRC-106 POWER AMP for RT-662/834; amplifies 100 MW RT output to 200 W AM or 400 W PEP. Uses two 4CX350FJ tubes. Requires 28 VDC 1 KW max; 77 lbs sh. #AM-3349-UR, Used Repairable w/ original meters, \$995 #AM-3349-AI, Used As-Is, less meters, \$450.00



Manual, partial repro GRC-106/106A, #MM-GRC-106, \$52 Operator's Manual, GRC-106/106A, #OM-GRC-106, \$18 HANDSET, #H-33, used-checked, \$35.00 MIC, #M-29B, used, \$16. Headset, #H-227, \$23.00 MOUNT & SIDE PLATES, 25 lb. #MT-3140, Used, \$46. INTERCONNECT CABLE, #CX-10099, used, \$27.00 ANTENNA CABLE, 4 lbs. #CX-10171, Used, \$29.00

SEM-52 Radio



SEM-52 Radio, German-made unit can operate on six preset channels (2 supplied) in 47-56.975MHz FM range @ 300 mw: 25KHz spacing. Has Off-On Squelch (AUS-EIN-RSP), Volume & Channel (KANAL) select. Requires six AA batteries (not included). Includes RT, 35" ribbon antenna with flex base and carrying bag. Also, comes with an adapter cable allowing use with H-250 handset (handset sold separately). May not comply with FCC regulations. 7.1"Hx3.4"W.1.5"D. 4 lbs sh. #SEM-52, Used checked, \$145 #H-250-U Handset Used with broken clip, \$45.00

2-12 MHz USB 100 Watt



RT-671/PRC-47 HF TRANSCEIVER, 2 to 11.999 MHz USB (voice and CW+800 Hz) in 1 KHz steps. Output 100 watts PEP (Hi) or 20 W

(Lo). FSK possible with accessory converter (not available). Transistorized except for PL-177WA tube in power amp and 5907, 7761, and 7905. Has 5-place mechanical digital tuning, P-A Load and Tune controls, and XMTR Output Meter. Designed for field or vehicular use; operates from either 24 VDC 20 amps or 115V 400 Hz. 7x21.3x13.5, 45 lbs. #RT-671-UR, Used, \$200.00

MANUAL for PRC-47, partial repro, #MM-PRC-47, \$35 LONG-WIRE ANTENNA, 3 lbs., #AS-1321, \$27.00 HANDSET, #H-33, used-checked, \$35.00 "Y" CABLE for H-233 to RT, #CX-8396, \$14.00

Battery Cable, #CX-8395, \$16.00 BACKPACK FRAME only w/ harness, #PRC-47-BF \$18.00 ALUMINUM TRANSIT CASE, 65 lb #CY-3700, \$65.00 TUBE USED STT, #PL-177WA, \$35.00

MODULES from PRC-47 transceiver. Used not tested:

AUDIO AMP has mic, sidetone, vox & compressor circuits of TX; AGC & audio for Rx. Requires 20 & 24 VDC. 4.3x4.3x2.8, 2 lbs. #AM-3506, \$20.00



CONTROL OSCILLATOR, 3 lbs. #C-4311, \$35.00

SIGNAL DATA TRANSLATOR with tubes 5907, 7761, 7905; 5 lbs sh. #CV-1377, \$53.00

RF OSCILLATOR contains 3 MHz crystal in oven; produces 500 and 100 KHz outputs. Requires 20 VDC; 4.3x4.5x1.3, 1 lb sh. #O-1032, \$27.00

POWER SUPPLY, 16 lbs sh., #PP-3518, \$35

PRC-6 Handheld



RT-196/PRC-6 FM TRANSCEIVER, Israeli 1950's vintage single-channel crystal-controlled in 47 to 55.4 MHz range. Output good to about 1 mile depending on terrain and weather conditions. Handheld unit has push-to-talk switch, Volume Control, ribbon antenna, carrying strap and connection for H-33 handset. Uses CR-23 crystal (not included). With tubes 6/5678, 3B4, 3/5672, 2/5676 and 2G21. Requires 1.5, 45 and 90 VDC usually supplied by BA-270 battery (not available). 15x5x4.5, 6 lbs, #PRC-6, Used, \$140.00

Original Manual for PRC-6, #MM-PRC-6, \$14.00

Crystals for PRC-6, #PRC-6-CR-(freq.), 51.0 to 54.0MHz Radio Frequency, \$26.00 ea All others frequencies are \$14.00 ea Specify 1st, 2nd and 3rd choices of desired frequency.

PRC-75 Radio

RT-976A/PRC-75 UHF TRANSCEIVER, rugged handheld ground-to-air tactical synthesized radio covers 225 to 399.95 MHz AM-CW in 50 KHz steps (3500 channels). Power output >1 watt. Has three thumb operated dials to set frequency; design frequency accuracy 1 part / 100000. Also has 1000 Hz audio beacon-DF tone. RF input 50 ohms; audio output 600 ohms. Requires 18-30 VDC from battery pack (not supplied); no accessories; 1.6x4.3 x8, 6 lbs. Look nice, complete but not working. #RT-976A, Not repairable "As-Is, \$99.50



ANTENNA ADAPTER, allows for BNC coax antenna connection. #UG-1884, New, \$14.00

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PRC-25/77 Backpack Radio



RT-505B/PRC-25 TRANSISTORIZED BACKPACK TRANSCEIVER, 30-75.95 MHz FM in bands 30-52.95 MHz (Lo) and 53-75.95 MHz (Hi) with 50 KHz spacing.

Output: 1.1 to 2.0 watts; 150 Hz squelch.

Transistorized except 2DF4 tube in power amp.

Requires 3 VDC 400 ma and 15VDC 1.4 amp supplied by BA-4386 battery. RT-505B has modified A25 audio module for broadband use with C-7673/PCC-1 and CU-2194 diplexer. 4x11x14, 18 lb #RT-505B, Used, \$400 RT-841/PRC-77, Similar to above, #RT-841, \$720.00

Manual for PRC-25, partial repro. #MM-PRC-25, \$27.00
Manual for PRC-77, partial repro. #MM-PRC-77, \$27.00
Backpack Harness. #ST-138, Used Excellent, \$46.00
RIBBON ANTENNA, #AT-892, used, WRITE BATTERY f/ PRC-25-77, "weak" #BA-4386, 3/\$7.00
BATTERY, 1995 X-date (no UPS or air), #BA-5598, \$8.00
ACCESSORY BAG, used, #CW-503, \$9.50
#H-250-U Handset Used with broken clip, \$46.00
Original Op's Manual f/ VRC-53 (PRC-77 & AM-2060) #MM-VRC-53, \$27.00

AN/GRM-55 TEST SET, used to check test points in modules of RT-505/PRC-25 transceiver and to isolate circuit problems. (Indirect tests only of modules A2, A12-13, A19-20.) Includes TS-1755 test unit, MX-4622 probe, and CG-409 BNC cable. Requires 12.5 VDC 1 W per 5 sec test. 5.5x7x8, 10 lbs sh. #GRM-55, Used, \$69.50
As above except w/ test cable CX-8593, \$89.50

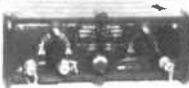


PRC25 & RT524 Module Covers

Housing / Module Covers for PRC-25/77 radios. No markings on covers. Unused.
A13, 15, 19 for PRC25 & A43, 45 for PRC77, #CRV-1,\$3
A16 for PRC25 & PRC-77, #CRV-2, \$3.00
A14, for PRC25 & A44A for PRC77, #CRV-3, \$3.00
A21 for PRC25 & A21A for PRC77, #CRV-4, \$3.00
A25 for PRC25 & A55 for PRC77, #CRV-5, \$3.00
A25 for PRC25 & A40 for PRC77, #CRV-6, \$3.00
A21 for PRC25 & A21A for PRC77, #CRV-4, \$3.00
A3, 4, 6, 7, 8 for PRC25 & A33, 34 for PRC77, #CRV-7,\$3
A12, A17 for PRC25 & PRC-77, #CRV-8, \$3.00
One each of the covers listed ABOVE, #CRV-25, \$15
A26 for PRC25, #CRV-A36, \$3.00
A27 Chassis cover for PRC25 & 77, #CRV-A27, \$5.00

Module Covers for RT524/RT246/R442 radios. Unused.
A3400 for RT524 / RT246 / R442, #CRV-3400, \$3.00
A3500, #CRV-3500, \$3.50; A3600A, #CRV-3600A, \$3.00
A4200, #CRV-4200, \$5; A4300, #CRV-4300, \$3.00
A5100, #CRV-5100, \$3.50; A8300, #CRV-8300, \$3.00
One each of the covers listed ABOVE, #CRV-524,\$15
A7000 for RT246 only, #CRV-7000, \$2.00
A7200 for RT246 only, #CRV-7200, \$2.00

6 Meter Diplexer



CU-2194/URC DIPLEXER, passive two-port notch filter and combiner network; allows simultaneous use of two transmitters, receivers, or transceiver on a common antenna provided that operating frequencies are slightly offset. Usable over 30-76 MHz FM for use with PRC-25-77 & VRC-12 transceivers; will work with commercial 6-meter equip. Has NULL METER, TUNE controls, Fine-Coarse-Monitor MODE Switch and RT1-RT2 BNC connections. Unit may function as man-portable relay terminal. Maximum RF power to each channel: 65 watts cont. Operational isolation: 45 DB min @ 2 MHz separation. Insertion loss: 2 DB max; VSWR 2.0:1 max. 4x11x7, 10 lbs. #CU-2194, Used, \$52.00; #MM-CU-2194, Original Manual, \$16.00

CV-278 Freq Shift Converter

CV-278/GR Frequency Shift Converter for the R-392 HF Receiver. Converts frequency shift signals to neutral or polar marking or spacing DC impulses. 450-500 KHz input, 20/60 ma or polar output for teletypewriter. Uses tubes 8/26A6, 2/26A7. 9.1x13.8x7.3, 22 lbs sh. Less meters & knobs. #CV-278, Used, \$35.00



PRR-9/PRT-4 Radios



GOV'T-RECONDITIONED each single channel with crystal for 51 Mhz FM: PRR-9 RECEIVER with earphone, antenna, & operator manual. Requires 5 V 25 ma battery power: 7x3.5x1.5, 3 lb. #PRR-9-GR, \$58.00

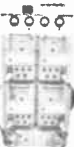
Manual repro PRR-9/PRT-4A, #MM-PRR-9, \$21

Horn speaker for PRR-9. #PRR-9-HO, Unused, \$7

AN/PRT-4 w/ antenna & battery box, Used less crystal, #PRT-4, \$27.00

AN/PRT-4 "AS-IS", less crystal, antenna, & battery box; for parts or experiment, #PRT-4-AI \$12.

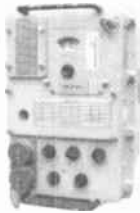
SRA-33 Coupler Set



Coupler Set, in heavy aluminum frame. Includes four cavity-coupler units, power supply, cables, RF selector switch, four power meters & manual. 48x22x27, 350 lbs. #SRA-33, Used, \$225.00

SRA-33 Control-Power Supply with cable for above, 45 lbs. #C-4586, Used, with set purchase. \$75

DUAL SILVER-PLATED UHF ANTENNA COUPLER CAVITY, part of system which allowed four receiver/transmitters (140 W) to use single antenna. Each cavity 14.5"Lx6" dia has quarter-wave variable stub (0.2" per turn X 28 turns) over 225-400 Mhz. Input & output loop-coupled; cavities aperture-coupled. Also 8 tracking slugs. Un-loaded Q = 4000, loaded Q 700. Insertion loss 2 DB. (We attached a disk to the moving stub which reduced frequency to below 140 Mhz.) Unit has electro-mechanical drive for 19 preset and one manually selected frequency. With weather-tight aluminum cover. Requires 28 VDC, 6.3 VAC, 115 VAC 60 Hz for motor and chopper. 15x9.5x24, 45 lbs sh. #CU-SRA-33, Used w/info, \$49.50



SRA-33 Coupler Manual repro, #MM-SRA-33, \$15.00

ARC-60 Oscillator



O-423/AR Oscillator-Relay provides 1KHz tone for "whistle-thru" tuning of ARC-60. 3.9x5x2, 3 lbs. #O-423, Unused, \$12.00

PRC-90 Test Set

AN/PRM-32A RADIO TEST SET for AN/PRC-90 UHF & PRC-106 VHF survival radios. Requires one radio as receiver and another as transmitter. Tests 243 MHz frequency for beacon, transmitter MCW-voice and receiver outputs. Also Tx-Rx voice outputs for 282.8 MHz (PRC-90) and 121.5 MHz (PRC-106), earphone & battery test. Has 1.8" square meter with Red-Green scale, TX-Rx connector adapters for hook-up & operator's info. 3x 5x4, 3 lbs. #PRM-32, Used, \$38.00
Manual repro, #MM-PRM-32, \$12.00



ARC-34 Test Set



AN/URM-76A Radio Test Set for ARC-34 radio can be used as a DC voltmeter with the following DC voltage ranges: 1.5, 5, 15, 50, 150, 500. Uses 3.5 inch 50 micro amp DC meter. Case containing meter, 1% precision resistors, 20 position test switch, probes, aluminum case with cover. The unit can be easily modified for other test uses. 4.3x8x7.5, 8 lbs sh. #URM-76, Used good condition w/ schematic, \$25.00

PRC-127 Battery Charger



NI-Cad Battery Charger for the PRC-127 radio. Once the charging function is complete, the unit will automatically switch to a trickle rate to maintain the charge without overheating the battery pack. Has indicator lights for charge in progress and fully charged. Input power 15W. Slow charge rate 60 mA - 140 mA. Fast charge rate 700 mA - 1100 mA. Requires 115/230VAC 50/60Hz. 6.8x3.3x3.4, 6 lbs sh. #CHARG-127, Used, \$40

BB-490 Battery/Charger

Lead Acid Battery Pack with Charger, consists of two BB-490 military batteries each rated 24VDC (2x12 VDC) 1.8 Amp-Hrs @ 0.35 amps; AM5-H6 charger fits on top of BB-490 or similar batteries and shows "charging" and "ready" on LED indicators. MPS-CH2 charger power supply output 16VDC 1.5 A from 115V 60 Hz input. BB-490 used in PRC-104, etc. radios; 4.3 x 5 x 2.5. Kit 9 lbs sh. #BB-490, Unused, \$23.00; 3 for \$58.00



Military Batteries



Rechargeable Nickel Cadmium Battery for PRC-68/68B/126/128 radios. 15 Volts 0.80 AH at 0.16 A. Date Code: 11/89. 1.5 x 4.3 x 4, 3 lbs. #406870-1, Unused, \$44

Military Nickel-Cadmium Battery Pack, four D-cell batteries in plastic pack produces 4.8 V 3.2 amp-Hr; 3/80 date code. 3.5x5.5x1.5, 3 lbs. As-is, #4D2704, 5 / \$10

BA-48 Battery for GRC-9 Receiver section. +90V & 1.5V. Date code is 0486. No stains. 8 lbs sh. All check weak! #BA-48, \$7.00

Battery Boxes



CY-7541/PRC-104 BATTERY BOX, plastic box clips onto PRC-104 backpack radio set and will hold 16 silver-zinc (or =) batteries that provide 20-32 VDC. Side unscrews to insert batteries; 3.8x12.5x2.6, 4 lbs. #CY-7541, unused, \$25.95

CY-744 Battery Box for the PRC-10 backpack radio. 9.4x9.7x2.5, 4 lbs sh., #CY-744-U, Used, \$40.00



AA-BATTERY BOX for Trimble Navigation Trimpack GPS receiver. Clips onto & allows operation of GPS from 8 - AA batteries (not included). 1.6x 6.5x1.5; 1 lb. #GPS-13828-00, New, \$30.00

GRC/PRC Battery Test

AN/PSM-13 BATTERY TEST SET; checks GRC and PRC-type battery packs BA-270, -279, -376, -377, -4386/398/ PRC-25, -399, and -505. Meter indicates BAD-GOOD (FS=1 MA). With adapters U-240, -241, -314, -315, -347, -410 & cans case. 7 lbs. #PSM-13, Used excellent, \$33.00



Military Battery Tester



TS-183 Battery Tester. Checks a large number of different military batteries for radios such as PRC-6, PRC-10, PRC-25, BC-620/659, GRC-9, and many many more. 10.2x15.3x7.4, 18 lbs sh.

#TS-183-U, Used, \$40.00
#TS-183-GR, Gov't Recon., \$69.95

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GRC-109 Supply



PP-2684/GRC-109 POWER SUPPLY provides voltages for RT-3/T-784 and R-1004/RR-2 from 75-260 VAC 40-400 Hz or 6 VDC 13 amp input. Meter monitors AC input; connections for RX and Tx. 10x8.5x5.5, 28 lbs sh.

#PP-2684, Used, \$42.00

PP-2684A, Similar to above except larger case with snap closures. #PP-2684A, Used, \$40.00

Manual for GRC-109, partial repro, #MM-GRC-109,\$27

VOLTAGE REGULATOR, for use with G-43 generator and R-1004; 6 ft cord with PL-244 plug; 4 lbs sh. #CN-690, Used, \$40.00

GRC-213 Amp / Supply

AM-7152/GRC-213 Amplifier / Power Supply / Squelch unit.



The unit increases audio output and provides squelch circuitry for the AN/PRC-104, which the transceiver does not itself incorporate. It also provides DC power for the PRC-104. The AM-7152 may be used with the RT-1209/PRC-104 to provide audio and squelch without the entire GRC-213 set, or with any other HF/SSB transceiver that does not have squelch capability of its own such as the AN/PRC-74 or AN/PRC-47 sets. Requires 24VDC. 10x12.5x3.5, 14 lbs sh.

#AM-7152, Used, reparable, \$310.00

Military Power Supply



6130-01-113-7526, Power Supply Subassembly, Has a 6 pin female, 4 pin male, and two U-228 (U-229 mate) connectors.

80064/ASSY 26962-A, MFR

97188/4129-AV1-C, Mfg by D-F Incorporated 3/92. We were not able to find any further information on this interesting power supply. 5.7x4.4x2.2, 6 lbs sh. #80064, Unused, \$99.00

600W Power Meter

ME-165/G STANDING WAVE-RATIO POWER

METER, designed for use with T-368 400 W transmitter; uses 12/ 600 ohm 50 W non-inductive resistors in parallel to provide 52 ohm 600 W load with SWR of 1.1:1 or less upto 30 MHz. Has 0-600 Watt meter, function switch Power-Adjust-SWR-Operate, & N connections. Flanged on back for wall mount. 1.5x9.8x9.8, 20 lbs.



#ME-165, Gov't-Recon, \$175.00

Manual repro, #MM-ME-165, \$14.00

HF Radio Modem



Thrane & Thrane TT-1185 Radio Telex Modem. Mark / Space frequencies adjustable from 1Khz to 3 KHz. Phase continuous AFSK Keying. RS-410 type N Radio Control. Power input 90 to 240 VAC 50 - 400 hz, 20VA. 15.5x19x3.5, 16 lbs sh.

#TT-1185, Used excellent, \$75.00

BC-1000 Accessories

Impedance Matching Antenna Adapter. Adapts the BC-1000 to a coax cable. Used, #TM-217, \$9.00



ID tag for BC-1000. New Reproduction, #ID-1000, \$23

Decal set for BC-1000. New Repro, #DCL-1000, \$30

ARC Type Connectors



Hard to find ARC connectors for the WW2 Command Sets and later ARC Type 12 Radio Sets. Some of these connectors can be used as is. Some need to have guides filed off. Much information is in the Tauson book, "A Users Guide to Aircraft Radio Corporation Receivers." Also see the ARC connector catalog reproduction. Connectors are unused unless marked Used. "M" designates Male and "F" female.

ARC #	pins	m/f	Works with	Price
16743	12	f	CV431	\$22
14320	19	f	C25 Control	\$19
12370	2	f	TYPE 12 15 Power	\$16
12427	2	m	Chassis Type 12 Rec 15 Rack	\$16
14052	4	f	T11 13 Power	\$22
12337	4	f		\$16
16104	4	f		\$19
12338	8	f	15 & Command Racks w/ Mod.	\$19
15912	8	f	Modulator Command Rack	\$22
12097	8	m	Chassis type	\$16

A User's Guide to ARC Corp Receivers - by M. Tauson; ARC-5, ARC-type 12 etc, #BK-USER5, \$14

ARC Connector Catalog repro, #CAT-ARC, \$7.00 each

Vintage Connectors

PL-58	EE-8	\$11
U-31	EE-8	\$10
PL-59	BC-191 / 375	\$19
PL-64	BC-191 / 375	\$27
PL-134	RU-18	\$22
PL-164 2 f	SCR-522	\$19
PL-167 4 f	SCR-522	\$19
PL-171 6 f	SCR-522	\$19
PL-172 2 f	SCR-522	\$19

Three pin connector pair. MS3114E8-3S chassis male and MS3116P8-3P cable female connector pair for audio or low current voltage use. Wire can be easily soldered to the gold plated pins. These connectors lock together with a half turn cam action. They will not come apart from vibration. Excellent for use in vehicles and high vibration applications. Removed from unused equipment. #3PIN-PR, \$21.00 per set



Hard to find power connector for R-392 HF Receiver. #CONN-R-392, Unused, \$40.00

GRC/VRC male connectors, specify type & equipment used. #CON-(equip)-(strain="st" crimp="ct") Used-cut-offs: Strain type, \$14 each; Crimp type, \$7

Audio Connectors: #U-77, \$6; #U-79, \$12; #U-229,\$7

Terminal Panel

Military Terminal Panel with ten heavy duty push terminals with insulation and 5 pin military audio connector U-183/U that mates with the U-229 as used on many military radios. Also has 4 pin male power connector MW20M(M)A00 M55181/2-01. The two connectors have rubber protective covers to resist moisture and dirt. 1.9x6.6x4, 3 lbs. #TP-10, Removed from unused equipment. \$23.00



GRC-9 Accessories

Leg and seat for GN-58. #LG-2B, Gov. Recond, \$64
LG-3B Leg for GN-58. Used, PRICE PER LEG \$52.00



Crank handles for GN-58 generator. #GC-7, Used, \$46.00 per pair

Mating power connector for BC-223, #PL-149, \$25.

Antenna Base. 2 lbs sh. #IN-127, Used, \$40.00

Bracket attaches IN-127 base to RT-77 radio, French made #FT-515-FR, Used, \$7.00

As above but made in the U.S.A, #FT-515-US, \$12

Mount for RT-77, #MT-350, Used, \$30.00

Cover for RT-77/GRC-9, #CW-140, Used, \$21.00

Long Wire Antenna "As-is", may have wire breaks: #AT-101, 4.3-12MHz, \$19; #AT-102, 2-4.3MHz, \$21

#MM-GRC-9, Original Manual for GRC-9, \$30.00

Radio Cables

CX-4720 Eight foot VRC-12 power cable. Unused, \$16
CX-4721 Extension Cable for DC power 10ft. Unused,\$23
CX-4722 VRC Control Cable, 15 feet, \$21.00
CX-4723 VRC Control Cable, 4 foot, \$17.00
CX-7059 Cable C-2742 to RT-246, Unused, \$26.00
CX-7867 AUDIO CABLE, 25' U-229 /-228, \$14.00
CX-11016 2/19 pin male connectors 6 ft. Unused, \$14.

CX-12991 KY-57 to PRC-77 CRYPTO cable NSN 5995-01-058-2513. Used, \$17.00

CX-13089 Vehicular power cable for use with MX-7777 or vehicles with 3 pin power sockets. 5 ft 4 conductor #14. Unused, \$14.00

Vehicle power socket 3 pin female to mate with CX-13089 cable. #CONN-13089, Unused, \$17.00

36" long cable with a GRC 4 pin female connector for T-195, GRC-106, GRR-5, etc. on one end. May need rewired for proper connection to radio. The 4 pin connector is a commonly used on many GRC equipment for power in. 2 lbs. #GRC-CBL-36, Used, \$32

CD-670 HV Cable for BC-191 / BC-375. Has PL-59 female connectors on each end. 5 foot long. \$58.00

#CX-13134/U DC power cable 3 pin connector fits MX7777, Crown CC229935-2P, and 4 pin PT06E-8-4S. Unused, \$17.00

#CX-13143 6 Ft DC power Cable for the AM-4979 and AM-6747 amplified speakers. Unused, \$17.00

#CX-13306/VRC Sincgars Power Cable 2 ft, \$21

Crypto Cable RT-1209 PRC-104 to KY-99. 2 feet. #CBL-104, Used, \$23.00

#SM-D-915890 Battery back up cable for UGC-74 MS3116E-12-3S, other end fits the batteries used with PRC-25/77. Unused, \$20.00

U-77 to U-229 Coiled Audio Cable. 8 foot long stretched. #SM-D-875498, Unused, \$20.00



Adapter, 33" cable with a U-77 audio connector on one end and two U-79 connectors (mates to U-77) mounted on a panel box on the other end. #J-654, Used, \$17.00

Spanner Wrench



Spanner Wrench for Military GRC Connectors. Fits the retainer ring on the GRC and VRC connectors. Makes it much easier to take those connectors apart. Set contains the following sizes: 0.6", 1.25", 1.45", 1.6", 1.85". 1 lb sh. #SPAN-GRC, Need cleaning. \$19.95

MANY ITEMS NOT LISTED - TELL US YOUR NEEDS

Radio Mounts



MT-1029/VRC Vehicular Mount for RT-246 & RT-524/VRC -12 transceivers. 5x12.5x16, 19 lbs. #MT-1029-U, Used, \$40.00;

MT-1898/VRC Mount for companion R-442 receiver 5x6x12.3, 15 lbs.

#MT-1898-U, Used, \$35; #MT-1898-GR, Recond., \$44

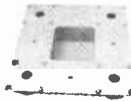
ARC-164 MOUNT, retrofit ARC-164 into ARC-34 mount. Rear rack connector & front plug for ARC-164. 5x13.8x11, 11 lbs. #MT-6147, Used, \$35.00

Robinson Aviation shock mount 848-2. Looks like its good for about 5 pounds. For base 5.5 x 7.5 inches with screw clamp on front. 2 lbs sh. #848-2, Used, \$14



TCS Transmitter / Receiver shock mount. Shockmounts are not original, but look correct. #MT-TCS-4, 4 shock mt, \$46 #MT-TCS-6, 6 shock mt, \$52

FT-161 Mount for BC-357 Beacon Receiver, 3 lbs sh. #FT-161, Unused, \$10.00



MT-759 Mount for AM-598. Less canvas strap. #MT-759, Used, \$21.00

MT-6378 / GRC-193 Mount for CU-2064 Antenna Tuner. This mount has the base for the antenna. #MT-6378, Unused but hasn't been in packaging for a while. \$200



MT-6233 / GRC193 mount for AM-65445, CU-2064, AM-6879. #MT-6233, Unused, \$320.00

AIC-10 Intercom System



RE-94 / AIC-10 Interphone Control includes AM476 solid state audio amplifier, call button, volume control. 27VDC required w/schematic. 5.6x3.6 x3.6, 4 lbs. #RE-94, Used, \$20.00

LS-184/AIC-10 Aircraft Dynamic Loudspeaker with AM-492 amplifier, usually used in the fuselage of larger aircraft and in the wheel well for ground crew communication. Power required 28 VDC and 170 VDC for 4/5718 or equal tubes. 7.3x8.2x4.2, 6 lbs sh. #LS-184, Used, \$35.00



7 pin connector for above, #7P-LS184, \$25.00

TM11-5831-200-35 Field and Depot Maintenance Manual Intercommunication Set, AN/AIC-10 Covers C-823, C-824, C-825, AM-476, AM-476A, DY-77, DY-76, RE-94, LS-184, AM-492. #MM-AIC-10, Repr., \$46.00

Patch Panel



SB-3189 Audio Communications Patch Panel. Normal 1/4 inch phone fits 52 pairs ADC jacks. Jacks are spaced for double phone plug.

Each jack 2 normally closed and one SPDT. Some panels are red, some are grey. 17.5x19x7, 31 lbs sh. #SB-3189, Used good condition, \$195.00

Canvas Bags & Covers

BAGS & COVERS may be used or unused. May have minor wear, tears or discolor:



CW-212 Canvas Bag for GRR-5 with adjustable straps; 10x9x5, 4 lbs. sh. #CW-212, \$40.00 each

SHOULDER BAGS with adjustable straps; Used:

#BG-175, 10x8x10.5, \$21.00
#CW-189, 10x9x10, \$14.00

GRC/VRC EQUIPMENT COVER

#CW-140 for GRC-9, Used, \$21.00
#CW-329 for GRC-3--8, Unused, \$19.00

ANTENNA ROLL BAGS f/ MS-116 etc mast sections, #CW-206-U, Used, \$8.50; #CW-206-UN, Unused, \$21. #BG-174, Used, \$21.00



Cargo Sling-Heavy Duty Tow Straps. This item is a 15,000 pound cargo sling and consists of four sections, each is constructed of four 15 feet seatbelt type OD nylon straps which are looped on one end with an

76 inch chain and catch arrangement on the other. The loop ends are all joined together by a large loop of webbing. This loop can be removed to separate the four individual straps for use as tow straps or whatever. #CS15K-SLING, 105 lbs sh. Unused, \$92.00

Single strap from above w/ chain and catch, #CS-STRAP, 25 lbs sh. \$35.00

BC-620 / 659 Accessories

ALIGNMENT ADAPTER for BC-659 transceiver; allows changing of crystals and alignment of the set without the use of an external meter. Mounts inside the BC-659. 2 lbs sh. #M-399 \$7.50 Adapter f/ BC-620, #M-394, \$7.50



ALIGNMENT TOOLS for BC-620/659: #TL-150 or #TL-207, \$7.50

RIGHT ANGLE, #MC-136, \$7.00

T adapter for MC-124, #MC-203, \$11.00

Spin Tuning Knob f/ spline ARN6 & BC229, #MC-127, \$11

Directional Coupler



Rockwell Directional Coupler for the AN/GRC-171B 20 watt, 200-400 MHz transceiver. SMA connector for RF input. RF

output uses BNC connector. NOS# 5985-00-588-5285, 4.8 x 1.3 x 1.3, 1 lbs sh. #ROCK-DIR, \$35.00

225-400 MHz DIRECTIONAL

POWER DETECTOR used in AM-6155 UHF power amplifier.

Rated 65 watts forward; 15 watts reversed. Forward/reversed DC output proportional to output/mismatch; sub-mini connectors provided. "N" RF connections; 4.5x1x1.3, 1#. Coaxial Dynamics #3023, Used, \$25.00



7 foot Balloon



7 foot Weather Balloon, a relatively small 800 gm balloon capable of reaching 100,000 ft. in height at a minimum rate of rise of 1000 ft. /min. both at night

and during the day. The ML-537 represents a 10-20,000, ft. height improvement over the separate day and night balloons it replaced. It also has a specified 80% reliability, as compared to the previously required 60%. Balloon ML-537/UM, Sounding type, Clear color, Rate of rise is 1000 feet, Bursting altitude 100,000 feet, Volume 126 cubic feet, Free lift 1600 grams. 5 lbs sh. #ML-537, Unused, \$25.00

Field Wire Manual



Field Wire & Cable Techniques Manual, Some of the info inside includes: Splicing Field Wire, Wire Laying and Wire Recovering Equipment, Pole and Tree Climbing, Field Wire Line Construction, Air Laying of Field Wire, Rapid Construction of Spiral Four Cable on Aerial Supports, Maintaining Field Wire Lines, Communications

Equipment Use in Field Wire Systems, 349 pages, 6.75"x4.3", #FM24-20, Excellent unused condition. \$10

TA-312 Field Phone

TA-312 FIELD TELEPHONE rugged light-weight unit replaces famous EE-8 field phone and is usable with them. Includes G-42 crank generator, E23 clacker call signaler, H-60 handset, and canvas carrying bag w/ strap. Requires 2 D-cell batteries (not supplied.) 12x7x4, 12 lbs. #TA-312, USED-CHECKED, \$130.00 Manual for TA-312, partial repr., #MM-TA-312, \$17.



TA-341 Phone



TA-341/TT TELEPHONE SET push-button 4-wire unit for use with tactical switches using four C-cell batteries; usable in conventional point-to-point telephone line (plug may need changed) Range >3.2 km. Signal out 900-3400 Hz digital tone; 90 V 20 Hz signal in. 4.5x10.5x10.5, 10 lbs. sh. #TA-341, Used, \$30.00

TA-954 Phone

TA-954/TT NON-SECURE DIGITAL VOICE TERMINAL used in Tri-Tac comm-system: 4-wire set xmits and receives diphase-modulated digital voice and loop signaling info at 16K or 32K bits. 125 ohm line impedance 125 ohms; range 4 km using WF-16 field (no stock). Requires 24-56 VDC, Tone pad has characters 0-9, FO-F-I-P-R-O-C; also Volume L-H Ring - Receive & H-350 handset. Plastic case is EMI/EMC static protected. 7.3x4.5x10, 8 lb sh. #TA-954-GR, Government Reconditioned, \$145.00



Field Phone Wire



Field Telephone Wire, WD-1A/TT twin lead zip cord style grey, green, or brown vinyl-covered steel wire. Intended for use with EE-8, TA-43, TA-312 and similar field phones.

100 feet of WD-1A wire less spool, #WD-1A-100, \$23
50 feet of WD-1A wire less spool, #WD-1A-50, \$12

Antenna Tether Wire

306 FOOT SPOOL of vinyl-covered braided #22-size intended for use with above; usable on the ground as long-wire antenna also. On spool; 3 lbs. sh. #SEB-400X3, unused, \$18.00



Hydrogen Generator



M315B HYDROGEN GENERATOR, used to provide hydrogen for 4' balloon p/o CRT-3 Gibson Girl rescue radio. Has 1200 grs

of calcium hydride crystals in long can which, when immersed in water, produces hydrogen gas. (EXTREME CAUTION must be exercised in the performance of this process because hydrogen gas is dangerously flammable and the liquid calcium by-product is very caustic!) Cans are dented; suitable only for recovery of calcium hydride. 11.6"L x4.3" dia, 4 lbs. #M315B, Unused-dented, \$13.00

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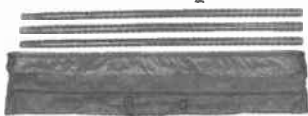
Mast Kits



29.6 foot Mast Kit comes with eight 1.8" diameter sturdy fiberglass mast sections, two high quality plastic guy rings, 300 feet of rope (cut according to your need), three guy stakes, insulator, and weather proof bag. 55 lbs.

#ANT-KIT-29-U, Used, \$185.00
#ANT-KIT-29-UN, Unused, \$229.50

12 foot Military Mast Kit. Comes with: three 47" long x 1 3/8" fiberglass mast sections, one 8" top mast section which holds two horizontal aerial antennas and also has 16 feet of RG-58 coax with a male BNC connection at the end, two 28" antenna elements that thread to the top section, one guy ring with guy rope, three 9" stainless steel stakes, one 27" long mast base which mounts directly into the ground, and O.D. green carrying bag with handle. There is no indication of a model number on the assembly. Excellent for field day or other portable antenna use. 12 lbs sh. Unused, #MK-12, \$65.00 ea As above except with Ground Plane Antenna. #GPA-MK-12, Used, \$57.00 Mast Section only, #MS-MK-12, Used, \$14.00 each



HEAVY DUTY NYLON BAG, ideal for mast kits along with MANY other applications! High quality Cordura Nylon is coated for water repellency, rot and is mildew resistant. Bag has 1 1/2" web handles that wraps around bag for added strength. Two zipper slides for easy opening. Overall size: 44" long x 9" deep x 7" tall. 3 lbs sh. Comes in OD Green. #BG-1244, New, \$46.00 each; 3 / \$115.00



HEAVY DUTY NYLON BAG, ideal for mast kits along with MANY other applications!

Mount Brackets

BRACKET for mounting 2" dia antenna bases like AB-15 to vehicles or other flat surfaces. Mount plate 6.3"W x 4"H; base hole center extends 3.9" from plate. 4 lbs. #SM-B114371, Unused need cleaned, \$17.00



Angle Bracket for attaching MP-50 or similar mount bracket to corner of vehicle. Bolts for MP-50 and drilled for side mount; 5 lbs sh. #SCC-28591, Unused, \$15.00



Guy Ropes

MX-516 Halyard, 140' nylon rope, insulator & pulley Used with AB-155 & AS-244. Used, \$17.00

GUY ROPE SET, 3x20' lengths, #GY-12/42, Used, \$11

ROPE, 80', #M378, \$8.50; 10', #M379, \$5.00

12" Guy Stake

12" Aluminum Guy Stake. Has 1/4" diameter hole near top of stake. #GS-12, Used, \$3.50; 5 / \$12.00

Aluminum Guy Stake, Overall length 7.3" x 5/16" diameter. #GP27B, Used, \$3.50; 4 / \$12.00



Mast Sections

3-FOOT MAST SECTIONS (left), WW-2 & Korean War vintage: painted copper-coated steel. Sequentially screw into the other; 3/16" dia MS-49 top section the smallest. Self-supports to 15 ft; MS-53 can fit into another MS-53; 1 lb sh. May have surface rust; We no longer have the MS-51 which is necessary. Select from MS-50-52-53, #MS-(specify #-)U, Used some rust, \$4.75 ea #MS-(specify #-)UN, Unused, \$8.75 ea MS-54 Mast Section. Unused, #MS-54, \$14.00

MS-116 & MS-118 MAST SECTIONS, each 39.3"L. MS-116 is stackable bottom section, MS-118 tapered top; fit AB-15, AB-652, MP-65 & UG-558 bases. 1 lb ea. MS-117 mast is no longer available. #MS-116-U, Used \$5.25; #MS-118-U, Used \$8.75 Unused, Unpainted Masts with removeable dark spots. #MS-116-UN, \$11.00; #MS-118-UN, \$13.00 #AB-21-UN, \$9; See web for stock of MS-117, AB-22, AB-23, AB-24

AB-21-23-24 Mast Sections, similar to MS-116-117-118 except 27" length each. AB-21 is bottom & stackable section; AB-24 is less the ball tip. 1 lb each. #AB-(specify #), used, \$6.50ea

PRC-Type Antennas

AT-272A RIBBON ANTENNA & AT-272 FLEX-BASE SET for PRC-8-9-10; 2 lbs #AT-272, Unused, \$21 SHORT FLEX BASE only f/ AT-272A, #272-BO, used, \$5 SHORT FLEX BASE only f/ AT-892, #892-BO, used, \$14 RIBBON only for AT-272A, used, #272-RO, \$12.00 RUBBER BASE f/AT-271 (PRC-8-9-10) #AB-129, \$6.00 RUBBER BASE f/AT-271 (PRC-25-77) #AB-591, \$14.00 37.5" Ribbon Antenna for PRC-126 and PRC-128 but not PRC-68. 2 lbs. #37695721153-3, Unused, \$17 RIBBON ANTENNA f/ PRC-6 radio, #PRC-6-RA, Used, \$14 WHIP f/ Canadian CPRC-26, #AT-5001, used, \$12.00 M-422 ADAPTER for using MS-116/AB-23 masts with PRC & BC-1000 as long antenna, #M-422, \$12.00

Mast Bases

AB-15 MAST BASE for MS-116-117-118 or AB-21-22-23-24 masts; rubber flex spring with 3.3"Lx3" dia ceramic insulator & bottom terminal. Mounts in 2" dia hole. O/a 15"L, 3 lbs sh. Used with small chips in the ceramic insulator, #AB-15-U, \$12.00 As above but used good condition, #AB-15-UG, \$21

AB-558 BASE for MS-116-117-118; mounts to SC-D-189023. 16"Hx6"dia; SO-239 conn. #UG-558-U, Used, \$17.50 As above but unused, #AB-558-UN, \$46.00



MP-68 MAST BASE, makes ground plane antenna when used with combinations of AB-21-24 or MS-116-118 whip masts installed as three radiating elements plus one vertical. Has center 3" dia ceramic feed-thru insulator with UHF connection and sockets for elements. Clamp on bottom allows installation on top of 1.6" dia masts like AB-35 (RC-292) or MS-44 (AB-155). 13"Hx5"Wx5"D, 5 lbs. #MP-68, Used, \$40.00

IN-127 Antenna Base holds three MS-116 and one each MS-117-118 mast sections. 14.5"L black plastic. 2 lbs #IN-127, Used, \$40

MP-65 MAST BASE for MS-116-117-118 or AB-21-22-23-24 mast sections; Requires 2" dia hole for mounting. 3 lbs sh. #MP-65, Used good condition, \$75.00



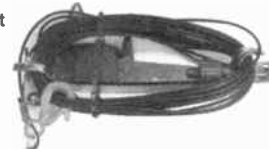
Mast Adapter



Mast Adapter. The top fits AB-85, MS-44, & AB-35 masts with an outer diameter of 1 3/8". The bottom has an inner diameter of 1 15/16". It is 8.7" long. 2 lbs sh. #MA-44, \$14.00

Steel Guy Assembly

1/8 inch steel guy cable on steel bracket with locking pulley and tension adjustment. Use for field day antenna guy or other wire support use. May not have plastic over steel cable. 9 lbs., Used,



#GUY-35, 35 ft, \$23.00
#GUY-50, 50 ft, \$32.00

ECG Antenna Rotor



ECG Antenna Rotor, A durable, precision-built rotor designed to turn and accurately position even the largest TV/FM antenna, ensuring the best possible TV picture and FM reception. High

torque - easily handles largest TV/FM antenna arrays. Built to take high winds and harshest weather extremes - water tight seal. Rotation Time 70 Seconds. Rotation Torque 8 Ft.-Lbs. Vertical Load Capacity 100 Lbs. (max.). Support Mast Size 1.125" - 2" Dia. Comes with Rotator Drive Unit and Control Unit, 14 lbs sh. #U-105, New, \$79.95

Support Bearing for U-105 Antenna Rotor, Provides extra support for U-105 rotator drive unit bearings. Relieves wear and tear on rotator imposed by wind loads. With mounting hardware. #TB-105, New, \$18.46

Loop Antenna

AT-784/PRC DIRECTION FINDER LOOP ANTENNA for use with PRC-25-77; covers 30-76 MHz in five bands. Controls FINE TUNE 0-10 MHz in 1 MHz steps and ATTENUATOR 0-40 DB in 10 db steps. Includes AT-1082 loop with whip, and 8 foot cable. Collapsed size 8x6x3.5, 5 lbs. #AT-784, Used, \$46.00



Manual repro for above. #MM-AT-784, \$21.00

AS-2360 Loop Antenna receives 0.53 Mhz to 10 Mhz, useable to 20.5 Mhz. Impedance 50 ohms, Null depth 25 db, bearing error less than 2 degrees. Originally part of TRQ-23 radio receiving set. The base of the loop contains a loop cathode follower with varactor diode for tuning, two rf amplifiers, and an output cathode follower using 4/6612 tubes which require 36 v B+, 1.1v filament. Tuning voltage 0-102 vdc, gain voltage 0-37 vdc, sense relay 24 vdc. Comes with canvas bag. 6.4x26.2x61.8, 30 lbs sh. #AS-2360, Used, \$290.00

TRQ-23 Op's Manual & Schematics repro, #OM-TRQ-23, \$27.00



CALL US AT 419-223-2196 or 227-6573

24 HOUR FAX 419-227-1313

C. Crane Antennas



AM Antenna With Twin Coil Ferrite. The biggest advancement in AM radio antenna design in over 50 years! The best

compact AM antenna for a portable radio or home stereo. It increases available daytime stations dramatically and reduces nighttime fade out by 99%! Can also eliminate heavy static and distortion. Tuner Size: 3.3" W x 4.3" H x 1.3" D. Antenna Head Size: 8.5" W x 2.5" H x 1.3" D. New, #TCA, \$99.95

Remote Kit, you can set the Antenna Element closer to a window or even outside, away from the noise and interference. You'll dramatically improve reception on weak AM stations in brick, stucco or metal-sided homes, and virtually eliminate static.

25' remote installation kit. #J25, New, \$19.95
50' remote installation kit. #J50, New, \$29.95

The FM Reflect is an affordable FM antenna that is equal to or better than the best indoor antenna made. Great signal to noise ratio. Works with any portable or stereo receiver. Incorporates a new dipole design for maximum gain across the FM band. Up to 213% more powerful than a standard dipole antenna. Comes with "F" connector, balun spade connector and alligator clip. Size: 54" element with an 8' feed line. 2 lbs sh. #FMW, New, \$24.95

ARC-60 Antenna



AT-701/ARC-60 UHF Antenna is a quarter-wave, base fed, inverted L-type design 6" vertical x 7" horizontal x 1/4" dia. 2 lbs sh. #AT-701, Used, \$14.00

UHF Dipole Antenna

AT-413/TRC DIPOLE ANTENNA for 225-400 MHz, originally part of large array. T-top elements extendable 3" each end to adjust reception; 20" max T-width. Mount flange moves to adjust height. Type C connection on bottom. O/a 15.5"H, 12 lb. #AT-413, Unused, \$23.00



AS-1729 Parts

#MX-6707 Base. Used, \$115.00

Mast Spring only for MX-6707; 4 lbs. #AS-1729-MS, Used, \$14.00

Upper Mast. 64" long, 4 lbs. #AT-1095, Used, \$25.00

TIE-DOWN KIT for AS-1729 including tie-down rope and plastic cap for AT-1095, #AS-1729-TD, New, \$12

Manual repro for AS-1729, #MM-AS-1729, \$21.00

MOUNTINGS for MX-6707 p/o AS-1729, Used:
#SCD-189023 f/ base. unused, \$29.00
#SCD-446058 corner. used, \$17.00; unused, \$34.
EXTENDER for SCD-446058.
#445058-EX-U, used, \$9; #445058-EX-UN, unused, \$14

Blade Antenna



AS-2485/ARC-114 BLADE ANTENNA used with 30-76 MHz ARC-114 radio set; BNC connection. 24"H x 42"L, 15 lbs sh.

#5985-168-8383, Unused, \$58.00; 2 for \$85.00

Rams-Horn Antenna

AS-580A/ARN-30 Rams-Horn Antenna with two dipoles. The forward dipole is used as a glide-slope antenna while the rear dipole is used as a VOR and localizer antenna. Each antenna is terminated with a BNC connection located on the base. Antenna originally used with the ARN-30D aircraft radio that covers 108 to 126.9MHz. Overall 23.8"Dx17.3"Wx11"H, 6 lbs sh. #AS-580, Used with some cracks in the plastic, \$46.00



LF-DF Antenna



AT-780/ARN-59 DIRECTION FINDER ANTENNA, 190 - 1750 KHz. Has ferrite loop, 26 V 400 Hz motor & Tx selsyn for drive direction. Operates in circuit on 26 V 100 Hz. W/ 14

error compensator screws, 0-360 scale visible under glass dome & schematic. 3.8x6.5x6.5, 8 lbs. #AT-780, Used \$42.00
#NG-AT780, above no glass, \$30.00

AS-313/ARN-6 DF ANTENNA, similar in function to above, but earlier design; 10x11x5, 18 lbs sh. #AS-313, Used, \$40.00



Hy-Gain Antenna



HY-GAIN MOBILE-COM ANTENNAS, new: 760-SERIES, include 52" whip, 2.5"H spring base, 18" RG-58 coax cable, PL-259 connector & UG-175 reducer; 5 lbs sh. unused, \$14.00 ea:

#761 (30-33MHz) #767 (33-36 MHz)

KATHREIN WHIP, 64-470 MHz; cut 4 foot length; 1-hole mount, 15' RG-58 coax. 4 lbs. #K50-54-4, \$21.

TELESCOPING CHROME ANTENNAS, \$4.50 each:
#TCA95-380, 9.5"L to 38"L; 6-32 thread mtg screw
#TCA84-144, 8.4"L to 14.4"L; 5/32" dia base hole
#TCA60-125, 6"L to 12.5"L, 10-24 thrd mtg screw

CB Antenna Mount

Chrome-Plated Steel Spring. For 3/8"-24 Threaded Whip. With hardware. 4 1/8"H x 1 5/8"D. Unused, #21-1118, \$14.00



HYE-QUE

BUDWIG HYE-QUE dipole center antenna insulator & strain connector for long-wire set-ups; full legal power capacity + weather-tight polymer construction. Strain assembly with PL-259 connection for lead-in wire drop. #HQ-1, NEW, \$11.15
#HQ-2, insulator pair, New, \$2.86/ pair

Cellular Antenna



Cellular Mobile Antenna by Antenna Specialists with trunk lid mount. 824 to 896 MHz with 3DB gain. Antenna capable of adjusting 25 degrees any direction. Antenna has a female TNC connection. Kit comes with 15 feet of RG-58 cable with a male TNC connection on one end, cord clip, mylar tape, bracket channel, a separate TNC male connector, and allen wrench. Antenna with mount stand around 30". 3 lbs sh.

#ASP-917, Unused, \$26.00

Long Wire Antenna

AS-1321/PRC-47 LONG WIRE ANTENNA 45 ft vinyl-covered with insulators at 15" and 25"; clips at insulators adjust length. Designed for use with 150 W HF transceiver; 4 lbs. #AS-1321, Used, \$29.00



Dipole Fixture



DIPOLE FIXTURE, part of PRC-74 long-wire antenna set. H-shaped has 25i vinyl-covered 2-conductor copper wire: 2.5x12x1, 3lbs sh. #DP-MK-911, Unused, \$8.50

Impedance Match



CU-459/AR IMPEDANCE MATCH NETWORK, black plastic bullet-shaped designed to mount to aircraft wing. Holds two AT-624 antenna elements (not available); 50 ohm BNC-conn. P/o AN/ARA-31 24-49 FM MHz homing set; 4.3x3.3. 2#. #CU-459-UN, Unused, \$11.00
As above except used, #CU-459-U, \$5.00

KY-149/AR KEYER, couples homing antenna to radio; requires 28 VDC. Has a 28VDC globe 60 RPM gear motor. 2.3x7.7x4.9; 3 lbs #KY-149-U, Used, \$14; #KY-149-UN, Unused, \$21.00



Screw Anchor



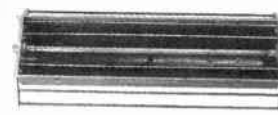
20" long Antenna Screw Anchor .3" diameter. 4 lbs sh., #ANCH-103, Used, \$19.00

Trailing Wire Antenna

WT-7A Trailing wire antenna weight 4.25" x 2.5" on 12" leader. 5 lbs sh. Used, #WT-7A, \$21.00



Trough Antenna



TROUGH ANTENNA. No info on this, but we put a sweep generator and spectrum analyzer on a pair and they seem

to work with good response from 900 to 1200 mhz. The frame is fiberglass and there is a dipole about 5 1/8 inch overall with reflectors about 24.5 inches long. Connector is HN type. Overall size 25x10x5, 8 lbs sh. #ANT-TROUGH, Unused, \$57.00

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Microphones



600 ohm Uni-Directional Dynamic Microphone. Frequency

response: 50-15,000Hz. Effective out put Level: -54dB. 8.5' cord with a gold plated two way plug for 3.5mm or 1/4" phone plug. With on/off slide switch. Mfg by Merry. #DM-35. Unused, \$6.00 ea: 3/\$14.00

Handheld Dynamic Power Microphone. Impedance of 1.2K ohm. Frequency response of 300-6KHz. Coiled cord with a 4 pin female connector. Marked TransVideo but made by Merry. #DMC-510, Unused, \$17.50 each; 3/\$35



GM Delco Microphone for mobile communications; black with PTT switch, coil cord and 5 pin male connector. #GM-DEL-MIC, Unused, \$14.00

T-45 MIC Carbon type 100 ohm 50 db below 1 mv, flat response with PL-291 two contact male plug, 11" cord. #T-45, Unused, \$11.00



LIP MIC for CW49507 or H-62 headset; 100 ohm, #CW-51071, \$27.00

#M-29B MIC with U-77 plug; for T-195 T-368, etc. Used, \$17.00

#M-52 MIC with 5 foot cord & PL-68 plug. Unused, \$17.00

#M-80C MIC, Unused, \$19.00

WW-2 CHEST SETS

#T-26A, Recond, \$11.00; #T-46/TD3, Used, \$11.00

RS-83 Mask type Aircraft Microphone by Telephonics. Mic is Hi-Z (100K ohm) and has a 16.5" cord with a 33" extension cable that has a push to talk switch. #RS-83, Unused, \$21.00



Shure Mic

Shure Unidirectional Dynamic Microphone. Ball-type. Dual HI Z & LO Z Impedance. Spherical grille is a very effective wind and pop filtering, ideal for closeup vocal miking. Symmetrical cardioid pickup pattern minimizes feedback. Lockable On-Off switch. Frequency response 80 - 15KHz. 3 pin XLR connector. Swivel adapter. 3 lbs sh. #588SDX, Unused \$80



Handsets

H-250 HANDSET w/ push-to-talk button, coil cord & U-229 plug. #H-250-U, Used w/ broken clip, \$46.00

#H-350, Used Checked, \$46.50

H-33/PT HANDSET for GRC-3-8, PRC-10; Has stretch coil cord with U77 plug. #H-33, Used Checked, \$35.00

TS-9 Handset or equal with butterfly switch as used on EE-8 and similar field phone equipment; 2 lbs. #TS-9, Used, \$39.50



TS-9 Handset wired like H-23, TS-13/15 for use with BC-1000 radio. #TS-9-1000, Used checked, \$45.00

H-90 HANDSET, like TS-9 but w/ U-77 plug; #H-90, Unused, \$39.50

Beige Standard Handset newer style mfg by ITT, #BEIGE-H, Unused, \$5.00

JEN-20 HANDSET w/ AMPLIFIED receiver for hearing impaired; black or beige. #JEN-20, New, \$21.00

Western Electric Handset with 1903 patent date; black painted brass handset with PTT-switch appears to be same as TS-7 handset used with pre-World War-2 EE-5 field phone. 3-wire cloth cord. 4 lb. #D14842, Used, \$58.00



Plantronics Headsets

Starset Supra Amplified Operators Headset with voice tube by AT&T. Cushioned earpiece with adjustable headband. Comes with clothing clip and plug amp. Brown color. Unused in the original packaging. 2 lbs sh. #KS22990-L1, \$40.00



ACS Operators headset that fits over the ear with six ear-pieces of various sizes. Has dual connector with 1/4 inch plugs (similar to PL-55) for connection to system. #SMD-0-102-15, Unused, \$40.00



Headbands

Old Military Black Leather Headband. Holds a 1 3/4" receive element. 2 lbs sh. #BLK-BAND, Unused fair condition, \$15.00 each; 2 for \$25.00



Headband by Murdock f/ R-14, #HB-5, \$19.00 each; 2 for \$30.00

Headsets

VRC-12 HEADSETS

H-251 HEADSET w/ vinyl cushions, 24" coil cord; black color. #H-251-U, Used, \$12 #H-251-UN, Unused, \$17 #H-251-A-U, Used, \$14 #H-251-A-UN, Unused, \$21

H-161D HEADSET with 300 ohm boom mic, push-to-talk switch, & CX-8650 Y-coil cord; vinyl cushions. Black. #H-161D, Unused, \$80.00



H-195 HEADSET & BOOM MIC, rubber-covered single 300 ohm phone element, 40 ohm mic & push-to-talk switch. Similar to H-144 except has 10 foot cord with PJO-55 & -68 plugs; 4 lbs sh. #H-195, Unused, \$35

WIRELESS HANDS-FREE HEADSET for two-way FM radio communications in high noise environments. Uses throat mic and ear cushions with EPA noise-reduction rating of 23 DB. Operates on 49.86 Mhz; controls for Volume & Squelch, Velcro adjustable head web and mic straps, 6" antenna and fiberglass case. Requires two 9 V batteries; #7800H, New, \$99.00

H-113 600 OHM HEADSET, similar to CW-49507 except O.D. green color with cushions and PL-54 plug on 18" cord; 3 lbs. sh. #H-113, unused, \$11.00; 2 for \$18

HS-30 HEADSET 250 ohm impedance light-weight WW-2 era set has cord wired to CD-604 500:4000 ohm matching transformer and PL-54 plug; 3 lbs sh. #HS-30-U, Used, \$14

HS-30 Headset, 250 ohm impedance light-weight WW-2 era set has CD-620 cord and M-300 inserts. #HS-30-UN, Unused, \$28.00

H-63 HEADSET and BOOM MIC, 600 ohm receive and 100 ohm M51 mic elements; with JJ-055 and 3-pin jacks. 3 lbs. #H-63, Used, \$12.00

H-264/PRR-9 EAR-PLUG HEADSET, coil cord & 2 mm dia jack; 300 to 2500 Hz response. #H-264, New, \$6.00

CTE49214 headphones f/ WW-2 MAB radio; no scull cap, #CTE49214, \$11.00

H-227 HEADSET, with two 300 ohm elements in 4" x 3.5" vinyl cushions, 42" coil cord, and U-77 plug. Used with GRC-3-8, GRC-106 radios. OD-green & black; 2 lbs. #H-227, Used, \$25.00

Accessories



GSA-6 CHEST GROUP SA-142 PPT-switch & CX-1077 cable w/ U-77 plug connect H-63 headset to GRC radios. #GSA-6, Used, \$9.00

PHONE PLUGS, #PL-354 red. used, \$6.00 #PL-55 on 30" cord. used, \$3.00 PL-55 equivalent 1/4" phone plug with no cord. #M462/4-1, Unused, \$3.00 PL-55 on a 5 foot cord. #CX-1201, Unused, \$6.00 PL-68 (or =) Mic plug. #PL-68-U, \$6;

DOUBLE PLUGS, unused: #D178542 (WE289) for headsets, etc. \$5 #2PPC f/ switchboards, \$5.00

JACKS, #JK-33 PHONE JACK to fit PL-68 plug. Used, 2/\$1.40 #JK-34 PHONE JACK to fit PL-55 plug. Used, 2/\$1.40

MIC ELEMENTS, checked: #F-1 for TS-9, \$6.00 #M-51 for H-63, M-29, \$6.00; #M-235 for H-33, \$7.00 #TA-117 for H-60 (TA312), \$7.00;

RECEIVE ELEMENTS, checked: #1227 (or =) for H-33 receive, \$7 ea; TS-9 receive element, CALL #TA-235 for H-60 (TA312), \$7.00 #R-30 receive element for HS-30, \$15.00

SWITCHBOARD CORDS

#500286-104, red with black cloth covered cord with double 310 plugs on each end; 50"L. \$16.50 #500286-106, as above but 75"L. \$19 #500286-110, as above but 118"L. \$21 #500286-115, as above but 178"L. \$23 #500286-120, as above but 240"L. \$26 #WE-338A, dirty light brown dual cloth covered cord w/ double 310 plugs on each end; 17"L. \$12

CD-604 CORD with impedance matching transformer 500 ohm to 4000 ohm; 6" cord & PL-54 plug. P/O HS-30 headset. #CD-604-U, Used, \$4.50 #CD-604-UN, Unused, \$7.50

Five foot audio cable with a PL-55 plug and a U-92A audio jack. #55-92-1312, Unused, \$10

4 Conductor Brown Cloth Covered Cord for Headsets, etc... 6 feet. #CORD-4C, Unused, \$30

MIC COIL CORD, 1-shielded, 2-wire not; stretches 30"-42". #SH-CC3042, New, \$3.50

"Extra-Stretch" Phone Coil Cord 4 ft to 25 ft extension w/ modular jacks; tan. #T425-MOD, New, \$4.00

RS-232 Ten foot Video Cable. 15 pin male to 15 pin female. #CBL-V15, 2 lbs sh. Unused, \$5.00

"Y" CORD

#CD-620F, molded 16"L legs & 6" cord w/ 2 lugs each end. For HS-30 Headset. \$4.00

HEADSET CUSHIONS

#M-301 4" Chamois cushions for HS-23 or HS-33, \$12.00pr #M-300 Inserts for HS-30, Unused, \$4.00 pr

EMAIL US YOUR INQUIRIES AT FAIRRADIO@FAIRRADIO.COM

Plugs & Jacks

1/4" Connectors

1/4" STEREO PLUG WITH STRAIN RELIEF, NICKEL. Solder connections. Spring cable guide.

#CA022, 2 for \$1.30; 4 for \$2.20

As above except mono, #CA021, 2 / \$1.50; 4 / \$2.50



RIGHT-ANGLE 1/4" STEREO PLUG WITH STRAIN RELIEF, NICKEL. Solder connections.

#CA026, 2 for \$2.00; 4 for \$3.20

As above except mono, #CA025, 2 / \$2.20; 4 / \$3.60



1/4" Mono Jack with strain relief, Silver plated, Spring cable guide, Solder connections. #CA035, \$1.25; 4 for \$4.40

As above except Stereo. #CA036, \$1.15; 4 for \$4.00



1/4" Mono Panel-Mount Jack, Open Circuit, #CA039, 2 for \$1.30; 4 for \$2.00

As above except Stereo. #CA041, 2 for \$1.60; 4 / \$2.80

1/4" Mono Panel-Mount Jack, Closed Circuit, #CA040, 2 for \$1.20; 4 for \$2.00

As above except Stereo. #CA042, 2 for \$1.20; 4 for \$2.00

1/8" Connectors

1/8" Mono Plug with strain relief, Nickel, Spring cable guide, Solder connections. #CA003, 2 for \$1.20; 4 / \$2.00

As above except Stereo. #CA004, 2 for \$1.50; 4 for \$2.40



1/8" Mono Jack, Nickel, Spring cable guide, Solder connections. #CA011, 2 for \$1.50; 4 for \$2.40

As above except Stereo. #CA012, 2 for \$1.50; 4 for \$2.40



1/8" Mono Panel-Mount Jack, Mono / Close circuit, Solder connections, With insert switch, #CA015, 3 for \$1.30; 10 for \$3.29

RCA Connectors

NICKEL-PLATED PHONO RCA PLUG. Spring cable guide. Colored identification ring. Solder connections.

Boot color black, #CA063B, 2 for \$3.88; 4 for \$6.82

Boot color red, #CA063R, 2 for \$3.88; 4 for \$6.82

RCA JACK.

Boot color black, #CA064B, 2 for \$3.50; 4 for \$6.25

Boot color red, #CA064R, 2 for \$3.50; 4 for \$6.25



XLR Connectors

3 Pin XLR Nickel-Plated Long type. Solder connection. New,

3.2" long Jack, #CA096, \$2.20 ea: 2/\$3.80
2.8" long Plug, #CA097, \$1.89 ea: 2/\$2.99

Short Type version of above. New,
2.8" long Jack, #CA092, \$1.89 ea: 2/\$2.99
2.4" long Plug, #CA093, \$1.89 ea: 2/\$2.99

Short type version as above except 4 pin. New,
Jack, #CA102, \$2.20 ea: 2/\$3.80
Plug, #CA103, \$1.89 ea: 2/\$2.99



3 Pin XLR Panel-Mount Nickel Plated Jack. New,
Jack, #CA104, \$1.89 ea: 2/\$2.99
Plug, #CA105, \$1.89 ea: 2/\$2.99

As above except 4 pin. New,
Jack, #CA108, \$1.89 ea: 2/\$2.99
Plug, #CA109, \$1.89 ea: 2/\$2.99



Toilet Seats

Phone jack spring covers for various military sets. Black wrinkle finish. Unused, #PJ-TS1, Unused, \$4.00 each

Olive Drab phone jack cover. Similar to above. #PJ-TS2, Unused, \$3.50 each



ART-13 Parts

ART-13 CRYSTAL CALIBRATOR, provides 50 KHz fundamental using 200 KHz crystal. Sold with 200KHz crystal. Also 1000 Hz tone for MCW. Tubes 2/12SL7, 12SA7; 6x5x3, 4 lbs sh. #XCAL-ART-13, Used, \$40.00



ART-13 PA Plate meter. #PMTR-ART-13, Used, \$29.

Male connector fits DY-17, #U9, \$40.00

Female connector fits ART-13 power, #U7, \$64.00

Female connector for C-87 control box, #U6, \$35.00

Male control connector for ART-13, #U8, \$35.00

Female Connector Dynamotor Power for the ART-13 (substitute for U10). #U10, \$46.00

Knobs for ART-13

Antenna loading 0-100, 200-100 #KN1-ART-13, \$14.

Antenna tuning coarse Triangles marked 1-13 ccw. #KN2-ART-13, \$10.00

Antenna tuning fine 100-0, #KN3-ART-13, \$14.00

High Frequency tuning Triangles 2 - 18 mhz, #KN4-ART-13, \$10

High Frequency tuning fine 0-99 over 360 degrees. #KN5-ART-13, \$14.00

Small indexing dial from High Frequency tuning and also used on some of the plug-ins. #D-ART-13, Unused, \$5.50

T-bar locking bar for ART-13 tuning knobs. #T-ART-13, \$5.50

PAX Series Card

The DeviceNet Option Card (PAXCDC30) is designed for the PAX series of meters. It fits into the Comms slot of any PAX meter and allows the meter to communicate with a DeviceNet bus. The card supports Polling, Bit Strobe, and Explicit Message Commands. The MAC ID and the Baud Rate are switch adjustable via a DIP switch. A bicolor LED is used to indicate the meter's status in relationship to the bus. Made by Red Lion. #PAXCDC30, Unused, \$24.95



455 KHz BFO

PERMEABILITY-TUNED 455 KHz BFO COIL from R-392 receiver. Originally used with 5-55 pf variable capacitor but fixed cap may be substituted.

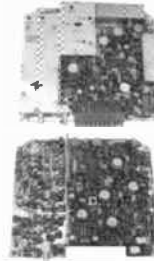
Oscillation without parallel capacitor: 452-480 KHz. Good basis for BFO for any receiver with 450-465 KHz IF; w/ schematic. 3.3"Lx 1.5" dia, 1 lb. #BFO-T602/R392, Used, \$21.00



ARC-187 Cards

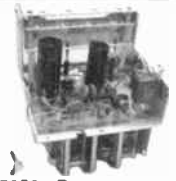
ARC-187 Receiver RF/Modulator circuit cards removed from ARC187 for some TCTO. These two circuit boards were the heart of the transceiver. No schematics or hookup info. Mostly discrete components with some surface mount.

Each board is 4.5x4.2x0.8, 2 lbs sh. #CB-ARC-187, Used good condition, \$15. both circuit cards.



RF Amp. / Preselector

Harris RF301/GRC-165 2-15 Mhz RF Amplifier/Preselector section contains V1 6DC6, V2 12BY7 which provide tuned grid/tuned plate amplification for the RF receive amplifier and the transmit driver. Band switch does not have detents, 14 1 mhz bands. 1/1ERC 6025 and 1/1ERC 5020. Power required 200 VDC, -36 Vdc and 6.3 vac. An excellent basis for QRP set or experimentation. 6.3x6.5x6.7, 5 lbs sh. With schematic and info. #RFA-165, \$29.00; 2 for \$52



5 MHz Standard

FREQUENCY STANDARD MODULE from R-1051* and RT-618* radios; usable as replacement or adapt to other need where standard is required. Crystal oven with 5 MHz crystal provides 5 MHz sinewave output (approx 1.8V) plus possible non-sine outputs dual 500 KHz, 1 &

10 MHz. Designed stability: 1 part in 10 / day. Requires 18-24 VDC input. 4.4x3x4.5, 2 lbs. used crystal only is checked, other outputs may need repair, #6625-078-4718, \$35.00 w/ schematic



RF Exciter

RF EXCITER MODULE from 1980's HF transceiver; mixes 500 KHz USB signal with synthesized frequency to produce and amplify modulated RF. Synthesizer (not available) supplied 74.5/75.5 (LSB/USB) and 77-105 Mhz depending on desired output frequency; RF output is low level. Requires +5, +12, -12, +28 VDC; with pinout. 1x7.8 x3.3, 2 lbs. #RF-EXC-1512, unused, no info, \$29.



RF-550 Modules

Harris RF-550 HF receiver & RF-131 exciter modules ; 4.1x2.1 x5.9, 2 lbs sh. Used, As-Is:

#A2A8/RF550 High Band Phase Lock Loop. \$44.00

#A2A14/RF550 Low Band Phase Lock Loop, \$44.00
SCHEMATIC packets,
#SCH-(specify #), \$10.00 ea w/module purchase.



Infrared Device

INFRARED RECEIVER/DEMODULATOR as used in televisions and VCRs for remote control; has infrared detector and an IC for signal processing. Requires 5 VDC; 0.7x0.6x0.6, 1 lb sh. #IFRD-TV, Unused, \$3.00 each; 6 for \$12.00



PLACE YOUR ORDER OVER THE WEB AT FAIRRADIO.COM

Velleman Electronic Kits

Kits require insertion and soldering of components! Pictures are shown after assembly.



UNIVERSAL MONO PRE-AMPLIFIER. This kit has been developed as pre-amp for a number of audio applications where there is insufficient input signal. Applications as a microphone pre-amplifier or for level correction. Power supply: 10-30VDC / 10mA. Output impedance: 1Kohm. Adjustable output level: max. 40dB. Frequency range : 20Hz to 20KHz \pm 3dB. Max. input signal : 40mV. PCB dimensions: 1.2" x 1.7". #K1803, \$13.50

UNIVERSAL STEREO PRE-AMPLIFIER. Frequency range 40Hz - 30kHz (-3dB). Maximum input voltage 50mVrms. Adjustable gain 40dB max. Output impedance 1Kohm. Requires 10-30V DC / 5mA. PCB dimensions 1.7" x 2.6". #K2572, \$19.30
Recommended Power Supply Kit, #K1823, \$15.95



AM/FM ANTENNA AMPLIFIER. This amplifier provides 22dB gain wherever you need it. DC power supply directly or via the coax cable. Metal housing included. Gain: 22dB. Power supply: 12V to 15V / 3mA. Input and output impedance: 50 - 75ohm. Frequency range : 10MHz to 150MHz. Note: It is important to put the amplifier as close as possible to the antenna. 3.4" x 1.4" x 0.9". #K2622, \$24.98

7W MONO AUDIO AMPLIFIER. This small amplifier is constructed around the TDA2003 IC, capable of delivering 4Wrms at 4ohms. The IC is completely thermally and short-circuit protected. A conventional direct current can be connected as supply. Music power output : 7W / 4ohm. RMS output: 3.5W / 4ohm or 2W / 8ohm. Total harmonic distortion: 0.05% (1W / 1KHz). Frequency response: 20Hz to 20KHz (-3dB). Signal/noise ratio : 86dB (A weighted). Input sensitivity: 40mV / 150Kohm. Overload and short-circuit protected. Supply voltage: 15VDC (8 to 18VDC possible) / 0.5A. 2.2" x 1.4". #K4001, \$18.99



2 X 30W AUDIO POWER AMPLIFIER. This small amplifier is constructed with the TDA1521 IC, with a maximum supply capability of 2 x 15Wrms (4ohm) of 2 x 10Wrms (8ohm). The IC is thermally and short-circuit protected. Additional rectifier and smoothing filter are unnecessary, as alternating current can be directly connected to the unit. See our website for further specifications. 2.8" x 2.0". #K4003, \$34.98

TELEPHONE AMPLIFIER. This telephone amplifier may be used as a free-standing amplifier with speaker, e.g. to listen to a telephone conversation, or the output may be connected to an amplifier or mixing panel (e.g. radio stations). Input - isolation transformer interface. Speaker output 0.5W / 8ohm. Line output 0dB (0.775Vrms). Requires 7 - 9V AC or 9 - 12V DC / 150mA. PCB dimensions : 2.5" x 2.1". #K4900, \$17.98
Recommended housing, #G416, \$10.60



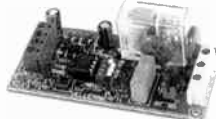
SIGNAL TRACER/INJECTOR. This signal tracer /injector has been designed to inject or detect a specific signal into an audio circuit in need of repair (such as amplifiers, radios, tone controls, ...) so as to detect the fault. In this way problems can be traced more easily. The signal tracer may also be used as a simple monitor or amplifier. Independent injector/tracer. Injector - 0-2.5Vrms output (adjustable), output impedance: 1.5Kohm, frequency: \pm 1KHz. Tracer - 3.5mV to 10Vrms sensitivity (adjustable), gain: 40dB, input impedance: 50Kohm. Output power: 0.5W / 8ohm. Power supply: 7-9VAC or 9-12VDC / 150mA. PCB dimensions: 2.4"x2.1". #K7000, \$29.95

VOLTAGE DETECTOR this device locates house wiring within walls and traces wire to find a break. A flashing LED indicates when voltage is present. The flashing speed indicates how close the wire is, approx 3.9 inches maximum. For audio indication you can add buzzer SV4/12-S. 9V battery (not included). 2.2"x2.5". #K7101, \$15.50
Recommended housing, #G407, \$6.40



DC TO PULSE WIDTH MODULATOR for control for DC motors, lighting, small heaters. Pulse width modulation (PWM) produces a series of pulses whose duration is proportional to a DC voltage. This allows for very efficient control of DC motors and other DC operated devices. Overload and short circuit protected. Input voltage 8 - 35 VDC output current 6.5A. Dimensions: 3.4"x1.9"x1.8". #K8004, \$29.99

MULTIFUNCTION RELAY SWITCH. 15 functions including timers, switching, flashing, interval, random switching, ... Two pre-programmed delays. Learning mode for delays of 2s up to 12 days. Pushbutton control. EEPROM for delay time storage in case of power failure. On-board transient filter for the relay contacts. Suitable for control of incandescent lighting, halogen lighting, fluorescent lighting, fans, valves, buzzers, ... Requires 9-12VAC or 12VDC. Max. load : 2.5A (275W / 110V). 3.4"x1.5"x1.0". #K8015, \$28.98
Recommended housing, #G410, \$7.00



10-CHANNEL, 2-WIRE REMOTE CONTROL. Control 10 devices using only 2 wires up to 55 yards apart. Microprocessor controlled. Inputs can be push-buttons, switches or open collector outputs. The receiver section provides 10 open collector outputs that control relays directly. Terminal block connectors for all input and output connections. All outputs are provided with LED indication. Can be used with: K6711, K8000RS, K8006, or relay cards: K6714, K6714-16. 10 open collector outputs : 50V / 100mA. Requires single 12-15V AC or DC, 300mA. Dimensions: control pcb : 2.7" x 2.0" x 0.6"; receiver pcb: 4"x2"x1". #K8023, \$42.98

3 WATT MONO AMPLIFIER. Small but powerful amplifier suits a wide range of applications such as: microphone amp, for doorbells, intercom, sound effects, earphones, radio receivers, PC sound card, musical instrument, etc.. 3 Watt RMS. Freq range: 50Hz - 20KHz. Gain: 32DB (40X). Short circuit & thermal protection. Requires 6 - 15VDC. Current consumption 500ma max. 1.6"x1.9". #K8066, \$16.80



SIGNAL GENERATOR. Signal output: sine wave, triangle, square wave and integrator (selectable through jumper). Signal frequency: about 1KHz (fixed). Output level: adjustable from 0 to 100mVrms (LEVEL potentiometer). Requires 9V battery (not incl.). 2.2"x1.6". #MK105, New, \$6.80

WATER ALARM. Gives alarm sound when water is detected. Incorporated alarm buzzer. Water sensor can be placed at a distance by cutting the board and using wires to connect the sensor. Requires 9V battery (not incl.). 1.8"x2.8". #MK108, \$5.60



INTERVAL TIMER. For intermittent operation of circuits and equipment. Blinking light, video/photo single frame shooting, slide projector control, miniature models. 3A/24V output relay with dry switch-over contact. Pulse time adjustable: between 0.5 and 5 sec. Pause time adjustable: between 2.5 and 60 sec. Power supply: 12Vdc / 100mA. 1.6"x3.4". #MK111, \$6.00

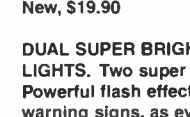
IR LIGHT BARRIER. Applications: announce visitors, warn against burglars, set boundaries, for science projects, ... Audible (85dB) and visible (LED) alert. Range 3.3ft to 13ft. On/off switch provided. Requires - Transmitter: 9V DC / 50mA max; Receiver: 9V DC / 20mA max. 9V battery holder and adapter jack included. Transmitter: 2.2" x 1.6". Receiver : 3.9" x 2.0". Not for outdoor use. #MK120, \$9.60

RUNNING MICROBUG. Attractive bright colored bug-shaped miniature robot. The microbug is always hungry for light, it drives towards it! Two open chassis sub-miniature motors. Adjustable light-sensitivity suits almost any light condition and allows to control its 'bug-like' behavior. LED 'eyes' indicate driving direction. Stops in total darkness. Requires 2 x 1.5V AAA batteries (not incl.). 4.0" x 2.4". #MK127, \$12.20

QUIZ TABLE. Up to four players can compete. LED indicates first button pushed. Quizmaster 'RESET' -button with 'button pushed'-indication. Two units can be daisy-chained for eight-player-fun! With on-off switch. Requires 9V battery (not included). 4.3" x 3.1" x 1.1". #MK133, \$12.20

CLAP ON/OFF SWITCH. Operate your lighting with a simple hand-clap. Ideal for disabled or elderly people. Good immunity against surrounding noises. '1-clap' or '2-clap'-mode selection. '2-clap'-mode features built-in safety turn-off timer (5h approx.). Output relay 'pulse' or 'toggle' selection. Microprocessor controlled. Output relay with LED-indicator. Requires 12V DC / 150mA. With DC adapter socket. 3.1" x 2.9" x 0.9". #MK139, New, \$19.90

DUAL SUPER BRIGHT FLASHING RED LIGHTS. Two super bright red LEDs. Powerful flash effect for emergencies, warning signs, as eye-catcher, 'alarm-active' - simulation, etc. 'Auto turn-on at dark' - mode with adjustable sensitivity. On/off switch. Requires 9V battery (not included) (12V possible). 2.2"x1.3"x1.6". #MK148, \$9.20



MANY MORE KITS AVAILABLE AT fairradio.com/kits.htm

ARC-5 Parts

SCR-274/ARC-5 COMMAND SET replacement parts:
 #7277 6-9.1 MC 1st IF, \$7.50
 #7279 " " 3rd IF, \$7.50
 #5856 " " oscillator \$7.50
 #7249 5.3-7 MC BC-458/T-21 xmitter PA coil, used, \$9.00

Discriminator



PHASE & LOAD DISCRIMINATOR determines if load is <, >, or = to 52 ohms; also if R, C, or L. 3rd output relative to antenna current; with schematic. 2x3 x3, 2 lbs. #T201/180L, \$13.00

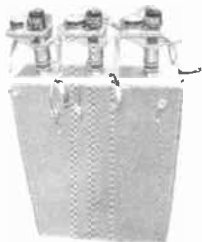
Cavities

Western Electric 1012A 475 - 525 Mhz cavity. Two type N connectors. 11.5x6.2x6.1, 10 lbs sh. #CAV1012A, Used good condition, \$50.00



220 Mhz Celwage cavity tunes approximately from 190 - 240 mhz. Type N connector. 21" long x 6.1" diameter. 9 lbs sh. #CPX220-12, Used good condition, \$115.00

135 Mhz Tunable Cavity



118 - 135 Mhz Tunable Cavity. This is a large three section cavity for use in the range 118 to 135 MHz. No specifications available. Those of you who know about cavities could probably modify it for other frequency ranges. This unit has stepper motor and encoder on

each section. Bodine Hysync DC Stepping Motor 23X1BEHD Caltech Corp Bit encoder 8 bit Absolute 33X121. No info on circuit to use these motors, but you can manually tune the cavities or design your own control circuits. 8.3x26.5x42.9, 70 lbs sh. #TC-135, Used excellent condition, \$130.00

900-1100 MHz Cavity

TRANSMITTER TRIPLER / PRESELECTOR CAVITY MODULE from TACAN system in 900-1100 MHz range. Consists of preselector and four silver-plated cavities originally gang-tuned using ball-chain drive (not available) 10x7.5x2, 7 lbs sh. #4-CAV-93, used, \$67.00



Triplexer



TRIPLEXER from cellular application by Fuji Electrochemical Co. #EF-T02, Frequencies are as follows - Transmit: 835MHz, Receive: 880MHz, Lo: 784.36MHz. Has female push-on SMA connections for Transmit, Receive, and Lo and a female TNC connection for Antenna. Cast aluminum housing with a removable cover. o/a 4.3x1.5x0.8, 2 lbs sh. Appears to be unused, #EF-T02, \$6.00

850-895 MHz Modules

Modules from digital air to ground phone system. Receive frequency was approx 850 MHz and transmit 895 MHz. Removed from equipment-Excellent:



DITCOM MICROWAVE DF-2575 CIRCULATOR for 850-895 Mhz; 500 watts CW max, 3 KW peak. Isolation 20 DB min; insertion loss 0.3 db max. VSWR 1.25:1. Two SMA, one N conn; 1.4x1.7x1.3, 1 lb. #DF-2575, \$21.00

FERROCOM 9K15-S CIRCULATOR, 840-900 MHz; T-shape SMA-N-SMA conn. No further info; 1.9x1.9x1. #9K15-S, \$21.00

MILCOM 2-WAY COMBINER for 800 MHz, 2- SMA female & 1- male connections; 1.8x2.8x2, 2 lbs. #240-089, \$27.00



800-900 MHz Modules

MODULES & COMPONENTS from airline phone system operating in the 800 to 900 MHz range:



#IFPC COMMON module has two receiver input and two transmitter output sections. Has parts two each of Motorola filter 0850E05140 and 0895E05141, M/A- COM 7N526-6016 circulator in one section. Also 47.5 MHz local oscillator, 5 MHz piezo osc and IC's N80C169KB 16 MHz CPU, 27C256-20 32Kx8 EPROM, 3/84256-10L 256Kx4 RAM & related IC's. Requires +28, +12, -12 V; 11x6.5x3.2, 7 lbs sh. #IFPC, \$23.00

#IFPC-T/R MODULE, stripline receiver RF/IF and low power xmitter boards plus oscillator/AGC board each in separate cavities. Components S80C652-1 MPU, 2/84256A-10 RAM, 27C256JL EPROM, two Sony 20102A D/A CONV, etc. Requires +12, -12 +5 VDC; 11x6.5x1.5, 5 lb. #IFPC-T/R, \$18.00

#AFF-PS MODULE, powered both above modules; has switching supplies Calex #24S12 (24 VDC in to 12 VDC 1.7 A out) and #12S5 (12 VDC in to 5 V 400 MA out); two RO Assoc 220-400 VDC input uVERTERs with one 28 VDC 10 A out and other 12 VDC 10 A out; and Vicor DC-DC Converter 250 VDC 35 W in to 5 VDC 25 W out. Also flat heatsinks, capacitors, etc. 11x6.5x3.3, 7 lb. #AFF-PS, \$15.00

8-12 GHz Oscillator Assy

8-12 Ghz Oscillator assembly from some Gigatronics device. Federal Stock Number is 6625-01-191-1980. The assembly consists of an Avantek YO85-2218 8 - 12.4 Ghz oscillator and a Virtech VX-8012 Circulator or Filter??? 4 lbs sh. #101CA15400, Unused, \$115



Wavemeters

p/o AM-1956/ GRC-50 Rx/Tx 1350.5-1849.5 MHz FM oscillators; cal book for tuning CHN #, MAIN TUNE, OUT FREQ, & REC OSC. BNC connections; 3x3x9, 5 lbs sh. #WAVE-1956, Used, \$25.00

1700-2600 MHz WAVEMETER, 20-turn vernier tunes in increments of 1. BNC connections; 1N21 diode output. On 3.5"W bracket; o/a 4.8"Hx2", 2 lbs sh. #SMD-302123, used, \$35.00

Bird Power Monitor

BIRD 4162D RF POWER MONITOR, rated 220-405 MHz 40 W. Measures incident and reflected power; VSWR 1.1:1 max. Usable over 145-500 MHz. Output 100 ua @ 5K ohm. RF connectors; output C, input BNC. DB-9 for DC outputs. 1.8x4x1, 1 lb sh. #4162D, NEW, \$27.00



SWR Indicator Circuit



STANDING-WAVE RATIO INDICATOR CIRCUIT, assemble a SWR meter using this 1.8" square 0-10 scale (FS=2 ma) meter with filters, rectifiers & modified Schering bridge. One pair of bridge arms is resistive, the other capacitive. Circuit is balanced when antenna is tuned to 52 ohms resistive resulting in "0" reading on meter. Bridge: 2.5x 2.3x1, 2 lbs sh. #M701/CU-991, Used, w/info, \$23.00

SWR / Discriminator pull out from AM-3349/GRC-106 Amplifier which covers 2-30 MHz at 200 Watt AM and 400 Watt PEP. Has two R/A mini BNC connections and a 15 pin DB connector with 15 pin mating connector. 3.2x2.6x2.2, 2 lb. w/ schematic. #SWR-3349, \$14.00



SWR BOARD for HyGain radio; no further info. #PTSR006AOX, \$2.00

QRP Circuit Boards

SHORT-WAVE CW EXCITER/ TRANSMITTER by Ryan Communications; tiny 2"x4" high quality circuit boards cover active segments of ham

radio low band frequencies @ 1.25 W CCS from 12 VDC power input into 50 ohms resistive. Output increases from 0.75 W-2.5 W as input varied from 10-16 VDC. RF Harmonics > 30 DB. Has 2N3019 power amp transistor and double Pi-net. Provision for HC-6 -33 xtal; norm-open contact-closure required for output.



#SW-2, 1.8-2.0 MHz, \$43; #SW-4, 3.5-4 MHz, \$35; #SW-10, 10-10.6MHz, \$29; #SW-21, 21-21.9MHz, \$38

Noise Activated Switch



NOISE-ACTIVATED SWITCH with sensitivity adjust and mic; 6 VDC input, 2"x2". #54-91, \$2.25 ea; 7 for \$12.00

S-Line Mechanical Filter

Circuit Board with #526-9310-009 mechanical filter model F455Q3. This "Y" style filter will fit S-Line equipment. 100K ohm in/out impedance. 3.5dB bw is 18kc, 70dB bw is 70kc. IF frequency of the filter is 455KHz. The circuit board also has two 5636 sub-mini tubes and various resistors and capacitors. No further info on circuit board. 3.9x3.5x0.8, 2 lbs sh. #CB-MECH, Used, \$18.00



Cubic R3030 IF Section



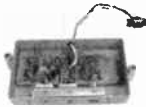
FIRST IF SECTION CUBIC FRONT END CONVERTER AMPLIFIER FROM CUBIC R3030 HF RECEIVER.

This module was the first gain and first conversion module in this premium receiver. First conversion used LO 40.455 - 70.455 Mhz, and second conversion used fixed LO of 40.455 Mhz to produce the IF output of 455 KHz. These oscillator signals came from another module which is not available. This module has the factory seals on it and is in excellent condition. 4.2x8.1x1, 3 lbs sh. #2140-1102, \$92.00

MANY ITEMS NOT LISTED - TELL US YOUR NEEDS

VHF Doublor Module

A9 5820-00-411-1472 VHF DOUBLER BUFFER MODULE 116 - 150 MHZ Circuit consists of doubler, buffer and level/gain control. Transistors are 2N4072 doubler, 2N5109 buffer, 2N2222 gain control amp. Power required +20 VDC. W/schematic. 6.75 x 3.75 x 1.5 overall 2 lbs sh. #Doub21-1472, \$14.95



TRANSISTORIZED CRYSTAL OSCILLATOR and BUFFER, 56 to 99 Mhz with 75 °C temperature controlled oven.

Requires 5th overtone HC-6 (20 pf) crystal (not supplied). Has external oscillator input plus tuning meter & oven output. Requires 12-18 VDC regulated for oscillator; 22-39 VDC 1 amp for heater. W/BNC and SMA RF connections; DEC-9P plug for power. Part of GRT-21/22 xmitters. 6.5x2x3.3, 3 lbs sh. #OSC-8004290G1, used with Schematic, \$12.00



10MHz Crystal Oscillator

10 MHz Crystal Oscillator and Oven by Hewlett Packard. Power required +12VDC and 24VDC for oven. Tested for output, may need adjustment. Removed from equipment. With info. 3x3x2 on 5x2.6 board. Minor rust spots. 3 lbs sh. #10811-60111, \$89.00



As above except #HP-10544A, \$69.00

RF Cable fits board and has BNC female connector. #CRY-OVN-CBL, \$6.00

Collins Modules

1 Mhz James Knights Modulator Crystal Oscillator plug in module. Output drives locked divider tubes to produce 500khz, 250khz, 100khz. Crystal oscillator module requires 28 VDC. 250 VDC and filament voltages also required for divider circuits. With tubes 5/6021, & 5636. With schematic. 3 lbs sh. #MCO-ARC38, Used, \$29.00

Collins 250 Khz IF assembly from ARC-38 transceiver. Has mechanical filters. F250A65 and F250Z4. Two 250Khz IF transformers. Tubes 5814, 3/5749, 5726. 3 lbs sh. #IF-ARC38, Used, \$40.00



250Khz Crystal Oscillator w/oven. 2/5749 tubes. #CO-250, Used, \$13.00

500Khz Crystal oscillator w/oven. With tubes 5654 & 5814. #CO-500, Used, \$21

BC-746 Tuning Units



BC-746 Tuning Units for the POGO STICK radio BC-745 / SCR-511 radio. We have the following:

Channel 2, 3825kc no crystal #746-2-NC, \$14
Channel 4, 4845kc unused w/ crystal #746-4-WC, \$27
Channel 9, 3655kc used w/ crystal #746-9-WC, \$21
Channel 11, 4780kc no crystal #746-11-NC, \$14
Channel 12, 5030kc no crystal #746-12-NC, \$14
Channel 13, 5700kc no crystal #746-13-NC, \$14

BC-347 Interphone Amp.

BC-347 Interphone Amplifier, Part of RC-34, RC-35 or RC-36. Power required 14 VDC & 150-250 VDC. 5.8x3.9x2.4, 4 lbs sh. #BC-347, Used minor corrosion, \$19.95



Hardware

HARDWARE ASSORTMENT of washers, screws, nuts, rivets, terminals; 2 lbs sh. #HWA-2, \$3.00



Dual Banana Plug - Red. For standard banana jacks. #CM13R, 2 for \$3.20 ea; 4 for \$5.50
Dual Banana Plug - Black. #CM13B, 2 for \$3.20 ea; 4 for \$5.50

DUAL BINDING POST RED/BLACK. For standard banana plugs. Distance between connectors is 0.79". Drill hole is 0.15" (x2). 1.5" x 1.3". #CM14R, New, \$1.59; 3 for \$4.32



As above but gold plated contacts. #CM15R, \$2.19; 2 for \$3.99



BINDING POST for Banana plug. Length is 1.7". Drill hole is 0.3". Black color, New,

#CM3B, 2 for \$1.50; 4 for \$2.60
As above but Red, #CM3R, 2 for \$1.50; 4 for \$2.60

BANANA PLUG. Solder connections. Length is 1.7". New. Black color,



#CM9B, 5 for \$2.25; 10 for \$4.00
Red color, #CM9R, 5 for \$2.25; 10 for \$4.00

As above but gold plated. Black color, #CM10B, 2 for \$1.50; 4 for \$2.60
Red color, #CM10R, 2 for \$1.50; 4 for \$2.60

HEX SPACERS

male-female thread or female-female (f-f) : #HEX-(thread)-(length)

Length	per 20	per 100
4-40 threads 1/4" dia metal		
1.375	\$7.50	\$22.50
6-32 threads 1/4" dia metal		
0.375	\$4.00	\$14.00
0.625	\$5.00	\$17.00
0.75	\$5.25	\$17.50
1.5 (f-f)	\$6.00	\$19.50
1/4"-28 threads 7/8" dia:		
2.87	4/\$5.00	20/\$19

TERMINAL STRIP with 28 silver-plated 0.8"Hx0.4" dia spring push-down binding posts on 15.3x3.9 x0.4" thick black phenolic board. Phenolic may have minor chips; 4 lbs sh. #TM-184-PT, Used, \$27



Two Row Industrial Terminal Strip. 10-32 screws. 2.25x1.75 x0.75, 1 lb sh. #INDTRM-2, Unused, \$1.95

Telephone Push Down

Terminal Strip Connecting Block. 200 terminals (4 rows of 50 terminals). Mfg by Reliable Electric. 12.4x2.7x1.3, 3 lbs sh. #R-66CB1, Unused, \$8.75



AUGAT single 8-terminal PC mount: 2"Lx0.6"W: #4PCV-08, 10/\$10.00

VARIABLE TERMINAL STRIPS, pairs removable to decrease or increase length. #GE-V12-TERM, 12 terminal pair 1.3Hx8.3Lx2"W, \$4.00
#BUC-V8-TERM, 8 terminal pairs 0.4"Hx3.5"Lx0.8"W, \$4



Wire Terminal Assembly by Reliable Electric #5591, Unused, \$3.50

SHOCK MOUNTS you bolt to equipment.



STYLES: A B C

#SM-4A, 4 #,	\$1.50	#SM-6B, 6#,	\$1.50
-9A, 9#,	\$2.00	-12A, 12#,	\$2.25
-12B, 12#	\$2.50	-15B, 15#,	\$2.75
		-50C, 50#	\$4.00

Control Boxes



C-375 Control box for radio sets GRC-3--8 or VRC-8--10. Unit is a remote junction point and switching unit for the control and audio lines to two sets. 3.2 x 6.8 x 7, 6lb, #C-375, Unused, \$30.00

C-2742 VRC Remote Control Box works with the RT-246. 3.3x6x4, 4 lbs. #C-2742, Used, \$35.00



C-434 Local Control for GRA-6 system. Allows remote control of radio by field phone and wire. #C-434-U, Used, \$38.00
As above except. #C-434-GR, Gov't Recon. \$58.00

C-435 Control box, Used to duplex two GRC-3-8 LOCAL CONTROL p/o GRA-6, #C-435, Used, \$26.00

BC-616/ARC-5 Relay Junction Box for ARC-5 Radio System. #BC-616, Unused, \$23.00



C-87/ART-13 Control Box for ART-13 transmitter. Has 11-position CHANNEL selector, OFF-VOICE-CW-MCW select, PTT button and IC jack. 3.5x6.3 x3.3, 3 lbs. #C-87, Unused, \$40.00



SB-327/ARC CHANNEL SELECTOR 24-51.9 Mhz FM in 100 KHz steps on 3-digit counter; used with RT-294/ARC-44 Tx-Rx. 3x5.8 x4.5, 3 lbs sh. #SB-327, used, \$40.00



SWITCH BOX, #SA-474, \$14.00



BC-631 Remote Control Box for the SCR-522 radio set. #BC-631, Unused, \$14.00

BC-1366 JACK BOX, switch "Command-Inter-Call", Increase Output pot, 2 phone jacks. 3.3x4.8x3, 2 lb, #BC-1366, Used, \$14.00



RM-52 REMOTE CONTROL for radio and intercom set. Has transformer, mic & phone jacks. Source for "Macy's Phone Patch" project. Less terminals. 7.3x3.5x5, 5 lbs. #RM-52, Used, \$6.00



C-11291 Control for Sincgars Radio PRC-119. 4.6x5.9x4, 5 lbs sh. #C-11291, Used, \$67.00



GRA-39 Control

C-2329 Local Control from the GRA-39 control group. Has a mic amplifier gain of 55 db and a microphone pre-amplifier output of 5 mw. 8.8x8.9x4, 12 lbs sh. #C-2329, Used, \$80.00



C-2328/GRA-39 Control Front Panel with electronic components only. #FP-C-2328, Unused, \$115.00



#H-250-U Handset Used with broken clip, \$46.00

GRA-39 Manual Repro, #MM-GRA-39, \$21.00

CHECK OUT OUR LATEST FEATURE ITEMS AT FAIRRADIO.COM

Military Speakers / Amps



LS-166/U Permanent Magnet Speaker, used with the older style military radio sets. 3 Watts in to 8 Ohms, and coupled through a sealed, 8 Ohms to 600 Ohms impedance transformer. Frequency response 300Hz to 7Khz. Field or vehicular use modes switch. Cord terminated with a U-77 connector. 7 lbs sh. #LS-166, Used, \$58.00

LS-3 Permanent Magnet Loudspeaker. Made by Best. Used with BC-189, BC-312, BC-314, BC-342, BC-652. It can also be used with the BC-224 and BC-348. Mounted on the speaker is an 8000 ohm to voice coil matching transformer. Has a JK-33 input jack which mates with PL-68 plug. 6" diameter speaker mounted in a 8" x 8" x 4.8" housing. Most have 1952 contract date. May have very slight rust. NOS, Smooth satin black finish. 14 lbs., #LS3-SMOOTH. \$58.00



LS-3 Best Mfg, WW2 194X contract date, as above with black crinkle finish. May have very slight rust, NOS. 14 lbs sh., #LS3-CRINKLE. \$69.50

4" Speaker, ruggedized 8 ohm 2w perm. magnet type; 300-7khz resp. p/o of LS-166; 3 lbs. #LS-445, Used \$12.00

AM-6747/V Amplified Speaker for monitoring audio of R-442, RT-246/524 radios from remote location. Connection for H-189 or H-250 handset to allow remote keying of transmitter. Requires 28 VDC; can be modified for 12 VDC. Similar to AM4979; 5.6x5x3 + 2" top bolt; 6 lbs. #AM-6747, Unused, \$50.00



AM-4979/GRC, similar to AM-6747 but has 6 ft cord with U-229 plug. #AM-4979, Used need work, \$19.99

Various Books

The Boys Book of Engine Building, How to make steam, hot air, and gas engines and how they work, told in simple language and by clear pictures. Easy to read text that will show you the fundamentals. Chapters include: the first engines, two simple steam turbine engines, a simple piston steam engine, a 1/24 hp horizontal steam engine, making small boilers, fittings for model engines, a model Atlantic type locomotive, steam - the giant power, a hot air or calorific engine, a 1/8 hp gas engine, and more. You're told how to make the patterns for the castings. 1918 book. 261 pages. #23489, \$12.95



Windmills & Windmotors, different types of turn-of-the-century windmills. Build a model tower windmill like those in Holland, a power-producing windmill with 3' diameter sails, a 6' diameter windmill capable of driving a 30 watt dynamo, a 10' diameter windmotor. Drawings show how the all-wood machine is built, and how metal gearing brings the power down to ground level. 88 pages. #4279, \$6.95



The Boy Electrician, 1940 edition. Covers: magnets; static electricity and machines; voltaic cells and batteries; electromagnetism and magnetic inductions; electrical measuring instruments; bells, burglar alarms; telegraphy; microphones and telephones; inductions coils; transformers; radio receiving sets; an experimental "wireless" telephone; electric motors; dynamos and more. Practical how-to plans and advice to build and have fun with all kinds of electrical equipment. Many illustrations. 403 pages, #21648, \$19.95

Dynamos & Electric Motors, How to Make Them and Run Them. Chapters include: the Siemens dynamo, the Gramme dynamo, the Manchester dynamo, the Simplex dynamo, calculating the size and amount of wire for small dynamos, ailments of small dynamo-electric machines, small electric motors without castings, how to determine the direction of rotation of a motor, how to make a shuttle-armature motor, fifty-watt under-type dynamo, and a four-hundred-and-forty-watt Manchester type dynamo. Some of the motors and dynamos are small table-top machines which would make great experimental projects. Lots of illustrations. 160 pages. #22539, \$9.95

Dangerous Electricity! Collection of articles on high voltage and high power machines from Mechanics & Electricity Magazine and Modern Electrics Magazine before 1914. A Tesla coil you could build 18" high and 5" in diameter. Construction of a Tesla coil with a secondary wound on a glass jar. How to build a high-frequency resonator, an X-ray set. Insulating wire, building a spark gap, a motor-driven mercury interrupter. Articles on high frequency electricity, a carbon-arc furnace, a coil winding jig for secondaries, and a water rheostat. 64 pages. #23411, \$6.95



Aviation 1910, "The Practice and Theory of Aviation" by Grover Loening. "Recent Progress in Aviation" by Octave Chanute. Two articles about early plane engines. Technical details of air-planes of 1910; simple scale drawings of the Farman, Doy, Wright; info on control surfaces, landing gear, engine horsepower, controls, the frame. See the Wright brothers, Santos-Dumont, DeLagrange and others in flight. Listing of significant flights made by all pilots from the Wright brothers in 1903 to Hubert Latham's flight at Mourmelon, France in 1910. Details on 2 new Wolsley engines built for airplanes and an engine competition held in October 1909 and how unreliable the entrants were, you'll know the early fliers risked their lives every time up. 64 pages. #23470, \$8.95



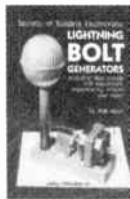
Electrical Things Boys Like to Make. Fifty years ago boys made these projects: from a door-bell and night light to a corn popper, crystal set, and toy motors. Get thirty three projects illustrated with detailed drawings and photographs. Basic construction techniques such as coil winding, soldering, building a punch jig and the use of hand tools, more. Build a crystal set or motors, help a child to build an interesting project and stimulate their interest in technology. 205 pages. #23241, \$11.95

Various Books



THORDARSON TRANSFORMER MANUAL, Great for transformer reference, tube amp schematics and tube radio repair secrets. Full of info on schematics, parts lists, performance specs, etc on big push-pull audio amplifiers, modulators, microphone preamps, power supplies and almost any type of electronic gear that used transformers and chokes. 144 pp; #BK-THOR, \$11.95

Secrets of Building Lightning Bolt Generators - Walt Noon will explain the experiments he has run, the problems, the solutions, how to build low cost generators from parts on hand. In addition, build simple static machines, van de Graff generator, dirod generator, Pogeendorff corona motor and much more. 91 pp #BK-SCRT, \$8.95



MANUFACTURE OF WIRELESS COMPONENTS, Contains a series of articles showing how wireless components were fabricated with simple machine tools just after WWI. There are articles on making radio parts, jigs and fixtures, fabrication of honeycomb coils, manufacturing of moulded electrical and wireless parts, and more. 64 pp, #BK-MFG, \$6.95

A THOUSAND AND ONE FORMULAS. Back in 1920 people were hot to set up their own laboratories and invent something and become rich. Experimenter Publishing Company published books and magazines to wet their appetite. They reprinted the best information from the magazines in this book. Get formulas on cements and glues, metal-craft, photography, chemical lab hints, mechanical lab hints, electrical lab hints, and many more. Fun and interesting read. 160 pp. #BK-1001, \$9.95



SIMPLE SCIENTIFIC EXPERIMENTS. Describes 46 instructive experiments in electricity, magnetism, hydraulics, hydrostatics, light and acoustics. From a century ago. Build a model hydraulic ram, acoustic fountain, flour explosive, manufacture of gas, static electric motor, cheap x-ray tube, electromagnetic gun, pea suspended in air, HF currents, decomposition of steam with induction coil, fiery or flaming vortex ring, thermo-electric currents and more. Simple, fun experiments. 69 pp #BK-SIMP, \$8.95

3rd Edition Pocket Reference. Over 750 pages of information for engineers, do-it-yourselfers, travelers, teachers, & students. Example of contents: Air & Gases, Automotive, Carpentry & Construction, Chemistry, Physics & Math, Electronics, Electrical Wire, Motors & Frames, Science & Geology, Hardware & Tools, Plumbing & Pipe, Weights & Property of Materials, Welding, Over 3500 Conversion Factors, and MUCH more!! 3.2"W x 5.4" H, #BK-POCKET, New, \$12.95



TELEPHONES & MICROPHONES. You get details on building simple telephones. And that in itself is an interesting little experiment in electricity, metal working, and woodworking. Also, get the details of building carbon mics, and magnetic earphones. You get details on wiring them up into working telephone system with batteries, bells, ringing key, induction coil and more. If you're looking for a science project or want to build your own radio equipment, or even build a replica of an early telephone. 80 pages. #BK-TELE, \$7.95

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Old Radio Books



CRYSTAL RECEIVING SETS, How-to guide on building crystal sets and their components. Chapters include a simple and efficient receiving set, a single slider set, set with semicircular

tuner, crystal set with tapped single coil, a loose-coupled set, set with plug-in basket coils, combined crystal and valve (vacuum tube) receiver, some miniature receiving sets, crystal circuits, how crystals work, making a buzzer, receiving CW signals on a crystal set, making a wavemeter from a crystal set, converting low-resistance phones, and the morse code. 125 pp #BK-CRY, \$10.95

IMPOVERISHED RADIO EXPERIMENTER VOLUME 1

Contains tricks, tips, and secrets to help the builder of simple radios and electrical gear achieve high performance at minimal cost. Also: vacuum tube substitutions; inexpensive tube power supplies; grid leak detectors; regenerative receivers and more. 48 pp; #BK-IMP-1, \$5.95

IMPOVERISHED RADIO EXPERIMENTER VOLUME 2

Contains information on building a grid dip oscillator, a shortwave converter, a slow motion dial drive, space-wound coils and more. 48 pp #BK-IMP-2, \$5.95

IMPOVERISHED RADIO EXPERIMENTER VOLUME 3

Contains information on building an impedance bridge, a one-tube SW receiver, a headphone amplifier, old-time radio cases and more. 48 pp #BK-IMP-3, \$6.95

IMPOVERISHED RADIO EXPERIMENTER VOLUME 4

Contains info on building a TRF regenerative receiver, a one-tube crystal converter, a versatile power supply, a slide rule dial and more. 48 pp #BK-IMP-4, \$6.95

IMPOVERISHED RADIO EXPERIMENTER VOLUME 5

Contains info on building a superhet receiver, a coil winding machine, a simple alignment oscillator, IF transformer and more. 48 pp #BK-IMP-5, \$6.95

The Impoverished Radio Experimenter Volume 6, Build a loose coupler. An early form of a doubly-tuned RF transformer. Learn how to use a commonly available transformer to get high voltage for tube plates. Simple, low-cost regulator that will turn any power supply into a rock-solid performer. Build several loop antennas. Take a loop antenna and turn a basic Franklin oscillator circuit into a regenerative receiver for AM bands and lower. Take an oscillator circuit and turn it into a receiver by attaching filters for the various signals. Get notes on amateur band code transmitters from past QST articles. Schematics & basic info on single tube AM band transmitters. 48 pages. #BK-IMP-6, \$6.95



Shortwave Receiver Handbook, Chapters and more from Frank Jones' famous book "The 1936 Radio Handbook", Filled with diagrams, schematics, and photos of receivers, tube specs, test equipment, and more. Perfect for the radio builder, collector, restorer, or amateur radio operator. 46 pages. #23608, \$5.95

Enhancing the Ramsey AM-25

Build an AM transmitter by enhancing an affordable commercial flea-power kit into a carrier-current workhorse. While audio technology is everywhere, broadcast hardware is hard to find. The AM-25 is a Ramsey kit selling for under \$100. Billed as a "professional synthesized AM transmitter," it's really just an intelligent milliwatt oscillator. Built by the book, it is no workhorse. Here are some suggestions for converting the AM-25 into a reliable rig for continuous running at practical levels of power. Recommended is carrier-current broadcasting over the power lines, a little-known mode, legal under Part 15. In this booklet, you learn how to enhance the AM-25 by tweaking all of its power functions and by adding a touch of Tesla technology in the rig's final stage. #BK-AM-25, List Price, \$9.75; Our Price, \$8.95

AMATEUR RADIO



AMATEUR RADIO BEGINNERS GUIDE, Learn how to build a regenerative receiver and a crystal controlled breadboard CW transmitter that will allow you to talk to people all over the world.

Chapters include: introduction to amateur radio, learning the code, receiver theory and construction, crystal oscillator transmitter, two-stage transmitter, three-stage transmitter, construction of modulator for three-stage transmitter, and reference. 155 pp #BK-AMA, \$9.95

Radio Pioneers

Published in 1945 by the Institute of Radio Engineers (IRE) as a keepsake for their Radio Pioneers Dinner in Nov. 1945. You get a history of the IRE from its beginning in 1908 with photos of John Stone, Robert Marriott, Pickard, Kennelly, Pupin, Pierce, Langmuir and others. Pictures of early tubes, Poulsen in his lab, Marconi parabolic reflectors, a Fessenden alternator. The history is brief, fast reading, but informative. You'll meet the personalities and discover what they did. Then you can go digging for more information about those topics that sound most interesting. 64 pages. #23462, \$8.95



BUILD A UNIVERSAL COIL WINDING MACHINE

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Experimental Crystal Set Receivers Book, Issues of Modern Electrics from 1911 and 1912

provided the Experimental Department where letters from experimenters were reprinted. Here you get the best of those letters. Illustrations of a wide variety of make-shift equipment that was being fabricated by impoverished experimenters. This isn't so much about crystal set circuits as it is about building the components needed. You get ideas on building coherers, variable and adjustable condensers, sliders for tuning coils, making a universal detector, gale-na detectors, and much more. 48 pages, #23276, New, \$6.95

How to Build the Twinplex Regenerative Receiver

Shows 3 different receiver projects. Build your own regenerative receiver using twin triodes or even a 3 transistor circuit. Sensitive and stable. Use old tube bases for coil forms. Build as a old time replica or with fet's and transistors. Schematics and chassis instructions. 63 pgs, #BK-TWIN, \$7.95



Mag Amp Books

"Magnetic Amplifiers", Magnetic Amplifiers Another Lost Technology by the U.S. Navy (1951), edited by Trinkaus. First came the vacuum tube, then the transistor, right? Not really. In between there is another lost entity.

Electronics engineers of the 1950's believed the rugged little magnetic amplifier was going to replace the fragile vacuum tube in all its functions under a megacycle. The mag amp not only can regulate but can magnify, modulate, switch, pulse-generate, invert, convert, multivibrate, phase shift, and multiply. Modulate your Tesla coil with a mag amp. 43 illustrations.

"Magnetic Amplifiers Bibliography", A supplement to Magnetic Amplifiers. Most of the citations are of patents you can still easily access. There are also citations of scientific and engineering journal articles, of military documents, and of proceedings of the Institutes of Electrical, Electronics and Radio Engineers. Entries range all the way from the year 624 BC to 1951. A must for further research into the lost technology of the magnetic amplifier. #BK-MAGNETIC, Get BOTH books! List Price, \$20.50; Our price, \$17.25



Building the Tesla Turbine

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Tesla Books



"Tesla: The Lost Inventions", Here are the suppressed inventions of Nikola Tesla. His later inventions, have never been utilized as Tesla intended despite their potential for advancing

technology of modern civilization. Among these inventions: high-frequency lighting, the magnifying transmitter, a radical high-power radio, and many more. 42 illustrations. #BK-TLOST, List price, \$7.75; Our price, \$6.95

"Tesla Coil", You'll find a wealth of information on one of the best-kept secrets of electric technology, plus all the facts you need to build a Tesla coil on any scale. A well-tuned coil's output is harmless but can perform amazing tasks. Light your home, farm, or ranch at a fraction of the usual cost. Build a powerful radio transmitter. 26 illustrations. #BK-TCOIL, List price, \$7.75; Our price, \$6.95



"Son of Tesla Coil", Can Tesla coils do real work? Can they power an alternative fluorescent lighting? Build a "third generation" Tesla coil.

Discover the magic of oil immersion, of close coupling, and of precise pulsing. Learn how to drive a Tesla coil from low-voltage battery power. Build a solid-state pulse generator and a Tesla lighting plant. Can battery-powered Tesla technology aid us in the next big blackout? Will Tesla be the next big step forward in home power? 40 illustrations. #BK-TSON, List price, \$7.75; Our price, \$6.95

"Radio Tesla", The Secret of Tesla's Radio and Wireless Power.

This booklet details the radical radio technology of Nikola Tesla. Early elemental wireless devices like Tesla's and many others shown in this booklet are worthy of study because they remind us that powerful radio technologies can be so simple and accessible. Modern radio took a lot from Tesla, but what did it ignore? Also in these pages: grounding rediscovered, the suppression of amateur radio, radio-free energy and much more. 66 illustrations. #BK-TRADIO, List price, \$12.75; Our price, \$11.50



"Tesla: The True Wireless", In Nikola Tesla's own words, this is the inventor's final published statement on how radio, at the radical, really works. He insists

that the amount of energy that can be transmitted is "billions of times greater" than conventional radio would allow. Can we transmit electric power to our homes and workplaces without wires? Can the unsightly and fragile grid come down? Tesla says Yes. 21 illustrations. #BK-TTRUE, List price, \$9.75; Our price, \$8.95

Military Lists

Copies of mil-references

Vintage Radio Lists

#TM11-487A Directory of Old Signal Corps...Radio Equipment, 8/ 1950. 4 pgs missing, 246 pp; \$29.95

#TM11-310 Schematic Diagrams of Signal Corp Ground Radio Equipment 1943-47; 32 selected vehicle & field radios; 228 pp. \$32.50

Vacuum Tube Lists

Vacuum Tube compliments of Signal 10/44; tube line-ups of many vintage military & commercial radios. Also lists by tube # the radios in which tube is used. 192 pages, 3 lbs. #TO-08-1-25, \$26.95

Electron Tubes, Cross Index and Type Identification, Nov '63; comprehensive list of tubes used by the US military; 303 pages, #MIL-HDBK-213A, \$35.00

German Electronic Lists

DIRECTORY OF GERMAN RADAR EQUIPMENT (US WAR DEPARTMENT MANUAL, TME 11-219, APRIL 1945) Pictures and drawings of German Radar Equipment to aid the recognition of equipment and components. I suppose this was part of the clean up of war material after the war. Reproduction 68 pages. #TME11-219, \$27.00.

German Explosive Ordnance (Projectiles and Pojectile fuses) 1953. Each lists the German Nomenclature, Weapons, Projectile, Type, Charge. Cutaway views of projectile. Reproduction. #TM9-1985-3, \$42.50

SIGNAL COMMUNICATION EQUIPMENT DIRECTORY GERMAN RADIO COMMUNICATION EQUIPMENT (US WAR DEPARTMENT MANUAL, TME 11-227, JUNE 1944) Each radio has a picture, specifications, and a short comment about each receiver or transmitter. Reproduction 55 pages. #TME11-227, \$27.00

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313	\$2.00	\$3.50	NE45 \$4.00ea	\$19	\$33
327	\$2.00	\$3.50	PR5	\$2.00	\$3.50
331	\$7.50	\$13.00	PR7	\$2.00	\$3.50
372	\$2.00	\$3.50	PR8	\$2.00	\$3.50
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TUBE PIN STRAIGHTENER for Mini 9 pin tubes. Stainless steel straightening area for years of use. 2 mounting holes 1 5/8" center to center. Unused, #STR-9, \$7.95

--- OCTAL TUBE SAVER ---

Save those expensive octal tubes that have broken guide pins. Replace the broken guide pin by slipping this plastic piece over the proper pins. High strength/temperature plastic. Reuseable. #KY-1, New \$1.95; 10/\$14.95



Tube Sockets



4 pin Ceramic for 300B/2A3/811, 2 hole mount. #GZC4-1, Unused, \$3.25

4 pin Ceramic for 805/845/211, 2 hole mount. #GZC4-3B, Unused, \$9.95



4 pin Ceramic for 300B/811, with twist lock collar. #GZC4-1B, Unused, \$7.75



5 pin Ceramic Socket that fits a 4-125, 4-250, & 4-400 tubes, etc... #GZC5-A, \$8.75

5 pin Ceramic for 807, 2 hole mount. #GZC5-1, Unused, \$1.90

6 pin Ceramic 2 hole mount. #GZC6-1, Unused, \$2.00

7 pin Ceramic that fits 1625 tube, etc. #GZC7-13, \$2.50



7 pin ceramic for 813 tube 4 hole mt. #GZC7-A, \$5.75

7 pin Septar Ceramic square, #GZC7-C, \$4.40

7 pin Septar Ceramic Square, #SK-SEPT, Used, \$8.95

7- pin mini, Fiber Wafer, #SK-7MF, new, 2/\$1.25

7-pin mini, bakelite, #SK-7M, unused, 2/\$1.25

7-pin mini, moulded push-in w/ ridge, #SK-7MP-R, unused, 2/\$1.00

7-pin mini, moulded push-in no ridge, #SK-7MP-NR, unused, 3/\$1.20

7-pin mini with collar for shield, #SK-7C, new, \$1

7-pin mini ceramic w/ collar f/shield, #SK-7MC, \$1.25

Octal Ceramic 2 hole mt. #GZC8-1, Unused, \$1.29

Octal Ceramic PC mount. #GZC8-Y, Unused, \$1.29

Octal bakelite, ring, #SK-OCT-R, used, 2/\$1.25

9 pin mini Ceramic 2 hole mt. #GZC9-F, Unused, \$1.20

9 pin mini Ceramic 2 hole mount w/ collar for shield. #GZC9-F-B, Unused, \$1.29

9 pin mini Bakelite 2 hole mount w/ collar for shield. #PCP9-1, Unused, \$1.15

9-pin mini ceramic w/ collar f/shield, #SK-9M, used, \$4.95

9-pin mini PC mount black, unused, #SK-9PC-BL, \$1.75

9-pin mini PC mount brown, unused, #SK-9PC-BR, \$1.80



12 pin Compactron Ceramic Socket that fits a 6KD6 tube, etc... #GZC12-F-1, \$3.60

Acorn Flat Ceramic Socket #SK-ACORN, Used, \$6.75

4X150 Dual Socket Assembly from the T-195, two sockets on 4.3" x 2.9" chassis with 1.1" H bakelite chimneys; #4X150/T195, used: \$27; 2 for \$43.00



Two Johnson #244 Ceramic Sockets mounted on an aluminum plate 3" deep x 7.5" wide. Each of the sockets has a 1 7/8" diameter removable mounting clamp. Works with C6M, 576 tubes etc. 3 lbs sh. #DUAL-244, Used, \$16.50



Plate Caps

Ceramic Plate Cap for 1/4" diameter, #MCV, Unused, \$1.29 each; 5 for \$5.50



Ceramic Plate Cap for 5/16" diameter, #MCX, Unused, \$1.55 each; 5 for \$6.35

Ceramic Plate Cap for 3/8" diameter, #MCZ, Unused, \$1.75 each; 5 for \$7.15

Ceramic Plate Cap for 1/2" diameter, #MCD, Unused, \$2.19 each; 5 for \$8.25

MANY ITEMS NOT LISTED - TELL US YOUR NEEDS

\$4.50 Unused / \$2.50 Used - Vacuum Tubes

- MANY other tubes available. Visit our website for a much more complete listing or tell us your needs.
- If you specify unused and unused is sold-out, we will ship used checked, unless you specify "unused only".
- Many tube types available in glass and metal. Please specify if you have a preference.

The tubes listed below are \$4.50 unused and \$2.50 used.

0A3 0C3 0D3 0Z4 1A5 1B3 1B4 1C5 1E7 1J3
1L4 1N6 1P5 1R4 1R5 1S2 1S4 1S5
1T5 1X2 1V2 1LA4 1LC5 1LD5 1LE3

3B4 3D6 3Q5 3S4

5A6 5AN8 5J6 5T8 5U8 5V6

6A6 6B8 6C4 6G6 6H6 6J4 6J5 6J6 6K4
6L7 6N7 6R7 6S8 6T4 6T8 6U6 6U8
6V3 6V7 6W4 6X8 6Z4

6AB4 6AB7 6AC7 6AF3 6AF4 6AF9 6AF11
6AG5 6AG7 6AH6 6AK5 6AL5 6AN5
6AN8 6AQ5 6AQ7 6AS5 6AS6 6AU4 6AU5 6AUG
6AU7 6AV5 6AV6 6AX4 6AY3 6BA11 6BC5
6BC8 6BD5 6BD11 6BE6 6BH6 6BJ3 6BK5
6BK7 6BN4 6BN6 6BQ6 6BQ7 6BU8 6BX6
6BZ7 6CB5 6CB6 6CD6 6CF6
6CM7 6CS6 6CS7 6CU5 6CU8 6CY5 6CY7 6DA4
6DE6 6DG6 6EA5 6EB8 6EH4 6ES5 6GJ7
6HB7 6HS8 6JT8 6JZ8 6LE8 6LLU8
6MN8 6SD7 6SF7 6SH7 6SK7 6SQ7 6SR7

7A4 7A5 7A6 7A7 7A8 7B4 7B8 7C4 7C7 7E6
7E7 7J7 7K7 7L7 7Q7 7R7 7S7 7T7 7V7 7W7
7X6 7X7 7Y4 7Z4 7AD7 7AG7 7AH7 7AK7 7AU7

12A6 12A8 12C8 12D4 12H6 12J5 12J7 12K7 12K8
12L6 12W6 12X4 12Z3 12AC6 12AH7 12AX4
12AZ7 12BA7 12BF6 12CA5 12SF5 12SH7 12SJ7
12SK7 12SL7 12SR7 12SW7 12SY7

14A5 14B8 14C5 14C7 14E6 14N7 14R7 14W7

17D4 17AX4 17BF11 17GW6 19T8 19AU4 19X8
21GY5 21JV6 25L6 25W4 25Z5GT 25Z6 25BQ6
25DN6 32L7 35A5 35B5 35C5 35L6 35Z3
35Z4 45Z5 50Y6 70L7 117Z4 117Z3 117Z6

34 35/51 36 38 39/44 43 55 57 58 78 79 89
5651 5654 5670 5725 5726 5727 5750 5963 5965

6005 6136 6186 6888

7056 7167

9001 9003 9004 9006

Unused Tubes

UNUSED in original military or commercial boxes:

1B35	\$25.00	1619	\$7.00
1B36	\$39.00	5718	\$7.00
2C43	\$23.00	5719	\$10.00
2E26 RCA	\$6.00		
2K25 Raytheon,	\$36.	5755 Raytheon,	
3C23	\$32.00	\$2.95 10/\$25 100/\$195	
3D6,	\$7.50	5763 various,	\$9.95
5A6,	\$8.00	5824,	\$13.50
4D32 Raytheon,	\$17.50	5998A Syl,	\$16.00
10/S165.	32/\$480.	6080WC GE,	\$8.00
6AH4,	\$10.00	6088 / 522AX Raytheon,	\$6.00
6AJ5 Tungsol,	\$3.50	sub mini pentode,	
6B4GA, Sylvania	\$33.00	6146W GE,	\$22.00
6CG7	\$9.00	6159	\$17.00
6DC6 various,	\$6.50	6189W	\$7.75
6DK6 GE,	\$3.00	6336B Cetron,	\$45.00
6F8,	\$7.50	6687	\$6.75
6SG7	\$3.00	6883B/8552 ECG,	\$15.00
6SH7	\$3.00	6888 Sylvania,	\$14.95
6Z4/84,	\$6.50	6922 ECG, \$6.95 10/\$59.50	
12AT7	\$8.50	7189A Int. SvcMstr	\$19.50
12BE6 GE,	\$3.25	7193	\$6.25
12DQ6,	\$9.00	7308 Amperex,	\$14.00
12SN7	\$5.50	7360 ECG,	\$29.95
24A	\$9.50 each	7586	\$27.00
30,	\$16.50	7587	\$32.00
53	\$6.50	8056	\$18.00
83 ServiceMaster,	\$19.95	8058	\$35.00
84	\$6.50	8533 Eimac,	\$15.00
717A	\$15.00	8552/6883B ECG,	\$15.00
884 or 885	\$7.50 each		
954-955 acorn,	\$3.95 957,	26 SERIES TUBES	
958,	959,	Used S3; 26A7, 26E6	
acorn,	\$5.95	Unused S5; 26D6, 26E6	

Pull-out Sale

"pulled-out" of equipment-- NOT TESTED/ NOT GUARANTEED! (One tube type per quantity!):

10 for \$8.00; 100 for \$50.00
6AC7 6AG5 6AH6 6AK5 6AL5
6AS6 6CB6 6J4 6J6 6W4GT

OTHER "PULL-OUTS"
10 for \$10.00. 100 for \$75:
6AQ5 6AQ5/6005

Sovtek Tubes

Electro-Harmonix

A premium quality tube mfg by Sovtek. "EH" = Electro Harmonix

Type	Price	10-24	25+	Mtch Pr
6L6EH	16.99	15.99	14.99	38.00
6V6EH	13.99	12.99	12.25	30.00
EL34EH	14.99	12.95	11.95	32.00
12AX7EH	12.50	11.70	10.95	N/A
12AT7EH	12.35	11.55	10.75	N/A
12AU7EH	12.50	11.70	10.95	N/A
12AY7/6072EH	15.20	14.25	13.30	N/A

Other Sovtek tubes new:

Type	Price	10-24	25+
5AR4	18.50	17.30	16.11
5Y3GT	14.45	13.50	12.55
6BQ5/EL84	8.25	7.70	7.25
6L6GB	12.55	11.55	10.78
6SL7	10.95	10.25	9.60
6SN7	12.50	11.70	10.95
6550WE	26.50	24.90	23.25

KT66 \$22.95 each; 10 to 24 pieces at \$20.95 each;
25 and greater \$19.95 each
\$49.95 for matched pair; \$99.90 for matched quad

KT88, \$24.95 each; 10 to 24 pieces at \$22.95 each;
25 and greater \$20.95 each;
\$53.95 for matched pair; \$107.90 for matched quad

Used Tubes / Grab Boxes

USED-checked (US-mfg):

01A (ST), 17.95; 2E22, \$18.00; 3E29, \$9.00;
5U4GB, 5Z3, \$4.75; 6AS7G, \$6.00;
6JB6, 6LB6, \$12.50; 6SL7WGT, \$4.00;
6V6GT, \$7.00, 24A, or 27, \$6.00;
26, 42, 75, \$9.00; 45 ST, \$36.00;
80, 807, \$9.00; 6080W, \$4.25;

GRAB BOX TUBE SALE

3 lbs of varying types of unchecked used or unused tubes. Randomly picked from our inventory of tubes of low demand. #TB-GB-3, \$20.00

As above but 6 lbs. #TB-GB-6, \$30.00

Power Amp Tubes



4CX350FJ 26VDC Power Tube.
Has a maximum plate dissipation of 350 watts.
Removed from equipment, \$65.00

4CX300A / 8167, JAN Eimac Unused, \$45.00
4X150D, 26 V filament, used STT, \$16.00
4X150G, coaxial type, used STT, \$19.00

8906 tube is also a ceramic metal planar tube.
Filament voltage 6V; Max plate watts = 10;
Max plate volts = 2500. Unused, \$99.50

7815 similar to 8906 but max plate volts is 3500, \$55

7554 HIGH MU TRIODE. Heater-cathode, ceramic-metal, pencil type used as rf amplifier, oscillator, and multiplier in airborne equipment. Used STT, \$29.50

Unusual Tubes



No markings but looks like some kind image or photomultiplier with 14-pin basing. 4.8"Hx 2.3" dia glass + two 1/2"L contact pins opposite each on tinted end of cylinder; 1"L glass extension from side. #XTUBE-98, \$20.00

702B mfg by Sylvania. This unusual tube appears to be a special diode for UHF applications. Clear glass with gold plated rings. Great collectors piece! 1" dia x 2.3"ht., Unused, \$15.

JAN 705A RECTIFIER, 4-pin base; 5"Hx2.3" dia. used \$4.00

GL-6044 oversize 6-pin w/ 4 tabs; 5.3"Hx2.3" dia. Unused, \$5.00

C6M THYRATRON, 8.5"Hx2"dia Used, \$4.00

Klystron / TWT

SRL-7H for 2160-2400 Mhz; 6.3 V filament, -1000 VDC beam V; reflector volts -1300 to -2000 V. Coarse & Fine Tune slugs, N-conn & octal base. 6.5"x 5.2"x4.5", 4 lb unused w/info, \$49.50

VARIAN VA-98M/8901 KLYSTRON, 23.6 - 24.4 Ghz 100 mw CW; Eb=500 V @ 40 ma. 2.8"Lx 1"Hx1.3"D w/ 6"L wire leads; 2 lbs sh. NEW, \$125.00
Filaments checked, but not guaranteed.

-RCA 4012/A1157 TRAVELING WAVE TUBE, 2.0-4.0 Ghz, 36 db min., 20 mw min. 15.5"LX3.5"Hx1.5"W. 4 lbs UNUSED, \$40.00

Geiger Mueller Tubes



Geiger Mueller 5980 (also known as BS-2) Tube from the PDR-27 radiac set, Used, \$25.00



Geiger Mueller 5979 (also known as BS-1) tube for PDR-27 radiac sets, Unused, \$59.50

Antique Globe Tubes

Tubes below are used-checked;

01A, \$19.75
224/324, 235/51, \$8.95;
226/326, \$13.00;
227/327, 239/44, \$11.95;
245/345, \$69.00;
80/280, \$33.95;

SEE A MORE COMPLETE TUBE LISTING AT fairradio.com/tubes.htm

Sonalert - LOUD !!

2 to 6VDC Sonalert mounted on a 2" x 2 3/16" aluminum panel with 4 mounting holes. This unit is very loud at 2VDC and almost intolerable at 6VDC. 2 lbs sh. #SONA-6, Used Excellent, \$5.50

Sounding Device

MINI PIEZO SIREN 6-15Vdc / 140mA 107dB LEAD TYPE. Made from high impact ABS plastic. Dimensions : 1.5" x 1.7" x 2.2". 1 lb sh. Mounting holes: 0.87". #SV/PS1, \$5.60

Faraday Horn

FARADAY 48 VDC 100 ma HORN, made for Bell Telephone; makes loud, penetrating sound w/ screwdriver volume adjust. Steel construction; recess mount. Front size 4x4x1.3

1.3" panel depth. 3 lbs #KS-12037L2, New, \$8.00

LOUD BUZZER HORN as used in smoke alarms; 2" dia x1.3". #41-81-110, 110VAC \$4.

Alarm Horn

Dual Horn Electronic Assembly made by Conair Division of General Dynamic. Operates on 28VDC 2 amps at 130DB plus. Will not operate properly on 12VDC. Comes in O.D. Green louvered housing. 17.2x13.8x14.8, 40 lbs sh. #76L2661-1, Unused, \$165.00

Alarm Bell

ADAPTABEL INDUSTRIAL ALARM BELL, 5.8" dia bell operates from 6 VDC 250 MA for non-fire use. Heavy metal cast construction with mount hardware; 3 lbs. Edwards #435-6C1, new, \$14.00

Speakers

3 X 5 SPEAKER, 1 watt at 16 ohms with 1.8" dia magnet; 1 lb sh. NEW, #SPK-3-5, \$1.75 ea; 10/\$14; 100/\$110

2 3/4" Round Speaker with no mounting holes. 45 ohms rated at around 1/2 a watt. 1.1" depth. 1 lb sh. #SPK-2.75, Unused, \$3.00

1 5/8" Square Speaker 8 ohms @ 0.1W. #SPK-158,\$1.75

1 7/16" Round Speaker 8 ohms @ 0.1W. #SPK-1716,\$1.75

7" Audio Tape

7" Professional Audio Tape by Ampex model 631. This is the 1.5 mil tape, 1200' of 1/4" tape. These reels of tape are excellent for DBX reels and others to decrease tape noise, consider by many as the standard for reel recording.

These reels are truly the standard for audio-ophile recordings, and a must for the reel collector. 3 lbs shg on one. 10 lbs shg on twelve. #TAPE-631, Unused, \$3.75 each; 12 for \$39.95; 24 for \$65.95; 96 for \$150.00

Dummy Camera



Dummy Rotating Camera With LED. Excellent imitation of a real security camera. Has a motion sensor. Motorized pan movement. LED lights when the device is turned on. No wiring needed. Requires three 1.5V AA batteries (not incl.).

Height: ca. 6.7". #CAMD3, \$10.00

Pinhole Camera

COLOR PINHOLE CAMERA, Pick-up element:

1/3" colour CMOS image sensor. 512(H) x 586(V) -PAL- pixels. Scanning system: 2:1 interlace. Internal synchronization. Resolution: 350 TV lines. S/N ratio: > 46dB. Min. illumination: 5 lux at F1.4. Electronic shutter: 1/50 - 1/100000. Sync frequency: 15625kHz(H) / 50Hz -PAL-. Automatic backlight compensation. Automatic white balance. Automatic exposure/gain with 16-zone control. Video output: 1Vpp / 75ohm composite video. 5.0mm lens. 45° viewing angle. Audio output: 20-16000Hz, S/N ratio : > 58dB. Power supply: DC 5-12V / 80mA (regulated) (use PS1205R not incl.). 2 lbs sh. 1.6" x 1.6", Drop shipped from Texas. New, #CAMCOLMHA4N, Retail, \$119.40: Our Price, \$84.95



Audio Filter

AUDIO LOW PASS FILTER. No specs available, but output is good from 10 hz to the limit of the filter. The drop off is very quick. The circuit is passive and causes an approximate 50 % attenuation of the signal. The input impedance seems to be about 2400 ohms. 4.5 x 1.5 x .5, 15Khz LPF #FO69215, \$6.50

Megaphone

S25 Watt Hand-held Power Megaphone with shoulder strap. With siren, Detachable anti-howl microphone with coiled lead, On/off switch, Handle with on/off switch, Separate microphone with lock function, ABS housing, Microphone sensitivity: -36±1dB (0dB = 1V/pa), Frequency response: 500 - 8KHz, Power supply: 12Vdc (8 x 1.5V D battery, not incl.), Horn dimensions: 9.5" x 13", Length: 14". #M25SM, List Price, \$92.40; Our Price, \$75.90



Transistor Audio Amplifier

TRANSISTOR AUDIO AMPLIFIER w/5-transistors, On-Off-Volume and Tone controls. Inputs for ceramic or crystal phono cartridges. Other possible uses as intercom, home-brew receiver,

child's projects. Use with 8 or 16 ohm 3" or 4" speaker. Requires 6-9 V AC or DC; with schematic. 1.5 x 2.3 x 3.3. #ER-10-1231, NEW, \$3.95 ea; 2 / \$6.65; 6 / \$15.95; 100/\$175.00

50 Amp P.S. Chassis



PP-4763/GRC POWER SUPPLY, produces 28 VDC 50 amps from 115 VAC 22 amps 47-63 Hz 22/11 amp input; solid-state with +/-0.5% regulation. Has meters 0-50 VDC and 0-80 amps DC; 13.5x 19.5x15, 145 lbs. #PP-4763-LM, Used less control

card, both mtrs, and circuit breaker, \$165.00 Manual repro, #MM-PP-4763, \$21.00

Charger/Conditioner Kit

Kit require insertion & soldering of components! UNIVERSAL BATTERY CHARGER / CONDITIONER. NiCd and NIMH

batteries or different can be charged both quickly (52 minutes) and normally (14 hours). Usable battery voltages: 1.2V, 2.8V, 3.6V, 4.6V, 6V, 7.2V, 8.4V and 9.6V. Charge current: from 15mA to 750mA. Battery is fully discharged prior to charging and thus has a longer life. 3.4"x3.1". #K7300, New,\$29.99

Recommended housing: #G311, \$10.20



24V - 12V Converters



24VDC TO 12VDC 20 AMP CONVERTER. Compact design for in-car use. Input 24VDC. Output 12VDC. Maximum current 20 amps. Banana plugs. Fuse protected. Drop shipped from Texas.

#PSDC20, New, Regular Price \$79.90; Our Price, \$69.99

24 - 12 VDC Converter. Compact design. Input 20-30VDC. Output 12VDC. Maximum current 5 Amps. Cigarette lighter plug. Fuse-protected. 3 lbs sh. #PSDC05, New, \$23.95



Wall Transformers

AURORA TOY WALL TRANSFORMER, changes 120 VAC to 9.5 VDC 350 ma output. 6' cord with slide lugs; 2 lbs sh. #AUR-95V34VA, 2 / \$5.25

CERVCO AC ADAPTER, 11.5 VAC 175 ma out-put; 6' cord w/o lugs.#CER-11.5V, 2/\$4

Electronic Trainer



Nida Trainer Model 130, Originally for electronic class troubleshooting instruction. This unit is power supply and test frame only, no test circuits. plus and minus low voltage power supply each 6, 9, 12, 15 volts and variable to 24 vdc current limited 25, 50, 75, to 100 ma variable. Also high voltage 50, 100, 150, 200 to 250 vdc variable with current limit of 10, 20, 30, 40 to 50 ma variable. Large voltmeter and milliamp meter to monitor the output. Mini toggle switches under front panel to switch problems into circuit. This would make nice tube/low voltage breadboard station for your shop. Requires 115VAC 60Hz. 14.7x 18x9, With Schematic. 25 lbs #NIDA-130, Used, \$50.00

Industrial Transformers

Taps 90 thru 3KV at 20KVA at any tap #3KV-20KVA,\$999 (Primary 160V 137.5A) 5 - 3000Hz One Phase 20.3x16.5x22.5, Open Frame, Approx. 500 lbs.

115/270V 4.9KVA 10x9x9.7 (C) 100 #44-115V-4.9KVA,\$299 115/135V 2.7KVA (600VAC only primary)

71V 53.5A 8.7x9x9.2 (C) 80 #44-71V-53.5A, \$260 (Primary 200/230/380/415/460/575VAC)

229V 70A 3 Phase Y 22.5x11.3x18 (C) 400 #SHED-Y,\$795 (Primary 420/440/460/480/500V 37-31A)

230V 250KVA 5.8x5.4x5.9 (C) 19 #42-230V-250KVA, \$49 (Primary 208/270/325/380VAC)

PLACE YOUR ORDER OVER THE WEB AT FAIRRADIO.COM

Low Voltage Transformers

All 120 VAC 60 Hz primary unless otherwise noted; styles as indicated; may be "used" or "unused": Dimensions listed below are case only, so make allowance for terminals. Weights listed below are considered SHIPPING weights. Limited stock.



STYLES (A) (B) (C)

SECONDARY SIZE	STYLE	WT	STOCK #	PRICE
2.5VCT 10A, 2.2x3.7x2.4, (C)	3	#166S2,		
Hammond Mfg, New, \$22.15; 4 pcs \$19.02 ea				
5VCT 3A, 1.8x3.3x2, (C)	3	lbs sh. #166MS,		
Hammond Mfg, New, \$19.01; 5 pcs \$15.66 ea				
#38R-6.3V-1A, 2.3x2x1.8, (C)	3	#38-6.3V-1A,		\$5.50
#38L-6.3V-1A, 2.2x1.8x1.9, (B)	5	#38-6.3V-1A,		\$6.95
6.3VCT 4A, 1.8x3.3x2, (C)	3	lbs sh. #166N6,		
Hammond Mfg, New, \$15.20; 5 pcs \$13.50 ea				
6.3VCT 10A, 2.25x4.1x2.7, (C)	4	lbs sh. #166S6,		
Hammond Mfg, New, \$39.92; 2 pcs \$33.75 ea				
12V 3 A, 2x2.7x2.2 (C)	4	#4-12V-3A,		\$7.95
12 V 9 amp, 5.3x4.3x4.8(C)	22	#P-601719		\$12.95
12 V 3.2 A, 12 V 2 A, 44 V 2.5 A. (12 V windings can be wired to produce 12 V 14 A)				
12.6VCT 4A, 2.13x3.7x2.4, (C)	3	lbs sh. #166N12,		
Hammond Mfg, New, \$22.82; 4 pcs \$18.90 ea				
12.6VCT 8A, 2.5x4.5x3, (C)	5	lbs sh. #166R12,		
Hammond Mfg, New, \$49.12; 2 pcs \$40.52 ea				
14VCT 2A, 1.8x2.7x2.2, (C)	3	#F-251X,		\$8.25
14V 2.8A, 3.7x2.3x2, (C)	3	#BK15659,		\$7.50
16V 28A, 6.4x5.5x5 (C)	20	#10-16V-28A,		\$46.00
16.5 VCT 2 amps 2.6x2.5x2 (C)	2	#BE15869		\$5.75
16.8VCT 6A, 2.9x3.3x4.1 (C)	6	#32-16.8V-6A,		\$14.95
15.5VCT 250ma, Open Frame Epoxy Coated,				
18V 4A 2.5x3x3.5 (B)	4	#13-18V-4A,		\$10
18V 5.4A, 4.5x4.8x4(C)	16	#401-21		\$12.95
26 V 1 A, 6 V 900 ma, 25 V 500 ma, 35-10-0-10-35 V 5 A				
18 V 1.5 A, 3x4x3.5 (C)	7	#BE12696		\$7.00
19 V 2.5 A, 10 V 4 A				
22VCT 3 Amps 3.8x3x4 (B)	8	#3S92890015		\$13.95
80VCT 1.5 Amps				
24V 20VA, 2.1x2.6x2.5, (B)	2	#6-24V-20VA,		\$5.95
Taps 24/19/10V 1KVA at any tap 6x11x14 (A) #4 #M1539,\$115				
25.2VCT 2A 2.1x3.9x2.6 (C)	4	#F-41X,		\$12.00
28V 35.7A, 5.7x6.3x7.7 (A)	43	#35.7A,		\$120.00
Unused, Made by Walker Electrical				
29.2V 2A 3.5x3.9x3.5 (A)	7	#612-29.2V-2A,		\$12.00
22.5V 2A				
2x30 V 250 MA 1.8x2x1.5(C)	1	URC#60605		\$4.00
30 VCT 560 ma 2.5x2.3x2 (C)	2	#401-6		\$4.50
40 VCT 450 ma				
32 V 3.5 amps 3.3x2.8x2.3(C)	4	#2-111219		\$7.95
32 VCT 1.5 A; 2.5x2.6x2.1(B)	3	#142259		\$5.95
35 VCT 1A 2.5x2.8x3(B)	3	#1341155-2		\$4.00
Rusty condition				
38VCT 1.4A 2.2x3.3x2.3 (B)	4	#203A6725,		\$7.00
5V 1 amp				
38.9V 4A 2.6x3.8x3.5(C)	5	#021/0220050		\$10.50
tapped 26-9-3-0.9 V, 150 VCT 200 ma				
40VCT 1A 2.2x3.7x2.2 (C)	4	URC#56000,		\$7.00
46VCT 1.5A, 3.3x3.9x5.5, 11		#43-46V-1.5A,		\$13
74VCT 150ma,				
70 VCT 5 A, 4.5x4.8x4 (C)	16	#401-21		\$12.95
tapped 20 VCT; 18 V 5.4 A, 26 V 1 A, 6 V 900 ma				
80VCT 1.5 Amps 3.8x3x4 (B)	8	#3S92890015		\$13.95
22VCT 3 Amps				

90VCT 2A, 4.1x3.4x2.9, (C) 9 #24-90V-2A, \$20.00
 Dual 90V 2.5A, 3x5.2x4.4, (C) 13 #20-90V-2.5A, \$27
 tapped on each of the 95V windings at 60V,
 32 vct around 200ma
 Dual 95V 2.5A, 3x5.2x4.4, (C) 13 #28-95V-2.5A, \$30
 tapped on each of the 95V windings at 60V,
 32 vct around 200ma
 100V 8.5A 7x6.1x6 (C) 33 #42-100V-8.5A, \$69.00

HV Transformers

SECONDARY SIZE	STYLE	WT	STOCK #	PRICE
240V 15ma, 3.8x2.7x2.3, (A)	4	#TIM-240V-15MA		\$22
6.3V 1.1A, 10V 250ma,				
375 VCT 50 MA 2.5x3x2.6 (B)	3	#8316527		\$9.50
6.3 V 2 amp (230 VAC only primary)				
380VCT 65ma, 6.3 V@2.5 A, 2.7x2.2x2.7, 3 lbs sh.				
Hammond Mfg, New, #269EX, \$45.97; 2 pcs \$38.04 ea				
509VCT 125ma, 6.3V 1A, 2.9x2.5x3.3 (B)	5	#TR180,		\$23
520VCT 90ma, 6.3 V@3.5 A, 3x2.5x3.2, 5 lbs sh.				
Hammond Mfg, New, #270DAX, \$58.42; 2 pcs \$46.99 ea; 4 pcs \$44.49 ea				
550VCT 200ma, 5 VCT@3 A, 6.3 VCT@6 A, 4x3.2x3.9, 10 lbs sh. Drop shpd from NY. Hammond Mfg, New, #270HX, \$74.66; 2 pcs \$69.66 ea; 4 pcs \$67.16 ea				
570VCT 200 MA 6x5.2x4.2 (A)	20	#390AHV,		\$44.95
25VCT 1.2 amp, 6V 8 amp, (115 or 230 VAC primary)				
600VCT 250ma, 5 VCT@4 , 6.3 VCT@8 A, 4x3.8x4.6, 11 lbs sh. Drop shpd from NY. Hammond Mfg, New, #272JX, \$80.09; 2 pcs \$75.09 ea; 4 pcs \$72.59 ea				
640VCT 150ma, 5 VCT@3 A, 6.3 VCT@5 A, 3.5x3.2x3.9, 9 lbs sh. Drop shpd from NY. Hammond Mfg, New, #276X, \$79.37; 2 pcs \$74.37 ea; 4 pcs \$71.87 ea				
700VCT 175ma, 5 V@3 A, 6.3 VCT@5 A, 4x3.2x3.9, 10 lbs sh. Drop shpd from NY. Hammond Mfg, New, #273BX, \$70.72; 2 pcs \$66.71 ea; 4 pcs \$64.18 ea				
750VCT 175ma, 5 VCT@3 A, 6.3 VCT@6 A, 4x3.2x3.9, 10 lbs sh. Drop shpd from NY. Hammond Mfg, New, #274BX, \$70.72; 2 pcs \$66.71 each; 4 pcs \$64.18 ea				
800VCT 200ma, 5VCT@3 A, 6.3 VCT@6 A, 4x3.2x3.9, 11 lbs sh. Drop shpd from NY. Hammond Mfg, New, #278X, \$91.39; 2 pcs \$86.39 ea; 4 pcs \$83.89 ea				
800VCT 465ma, 6.3 VCT@6 A, 5x3.8x4.6, 18 lbs sh. Drop shpd from NY. Hammond Mfg, New, #278CX, \$96.79; 2 pcs \$91.79 each; 4 pcs \$89.29 ea				
850VCT 150ma, 5 V@3 A, 6.3 VCT@5 A, 4x3.2x3.9, 10 lbs sh. Drop shpd from NY. Hammond Mfg, New, #279X, \$84.00; 2 pcs \$79.00 ea; 4 pcs \$76.50 ea				
920VCT 50-70ma, 4.4x5.1x6, 17 #52-920V-50MA, \$32				
1240VCT 50-75ma,				
1000VCT 200ma, 5 VCT@3 A, 6.3 VCT@6 A, 4.5x3.8x4.6, 14 lbs sh. Drop shpd from NY. Hammond Mfg, New, #282X, \$98.57; 2 pcs \$93.57 ea; 4 pcs \$91.07 ea				
1900VCT 30ma, 4.3x4x6, 12 #51-1900V-30MA, \$42				
1150VCT 50ma				

Chokes

Swinging Choke, 1.5mHy at 200maDC, 460UH at 4ADC, DCR 0.24ohm. 1.7 dia x 1.4 ht 2 lbs #TW-64713,\$14
 1.5 mHY/3.0mHY 11A/1A swinging 6.8v-120cps .07 ohm 2x2.3x3, Sealed frame, 4 lb,#103-1.5MH-11A,\$14
 C-114 LOADING COIL, adds 88 mH inductance to field phone wire increasing effective range 125+%. Water tight case; 4 lbs sh. #C-114, Used, \$14.00
 5Hy 150ma, 105 ohm, 400VDC, 2x3.3x2, (C) 3 lbs Hammond Mfg, New, #158Q, \$19.26; 4 pcs \$16.64 ea
 8Hy 100ma, 259 ohm, 400VDC, 1.8x3.3x2, (C) 3 lbs Hammond Mfg, New, #157M,\$21.48; 4 pcs \$18.34 ea
 10Hy 100ma, 262 ohm, 400VDC, 2x3.3x2, (C) 3 lbs Hammond Mfg, New, #158M, \$19.02; 4 pcs \$16.46 ea
 15Hy 100ma, 256 ohm, 500VDC, 2.3x4.1x2.7, (C) 4 lbs Hammond Mfg, New, #159M, \$24.42; 4 pcs \$20.62ea
 20Hy 100ma, 181 ohms, 600VDC, 3.3x2.5x3.1, (B) 5 lbs Hammond Mfg, New, #193C, \$34.35; 3 pcs \$28.48 ea

Audio Transformers

Primary Secondary
 50 ohms 30ma 500 ohms 400 to 1900 Hz Mic Transformer 1.5x1.3x1.5(A) 1 lb #T204/PP115 \$5.
 100 ohms 100K ohms; input transformer, 2.1x2.2x3.2 (A), 2 lb Made by UTC. #T3/AM20,\$20
 160 ohms 11ma 78000 ohms 0.5ma; Sealed. 1.8x1, 1 lb sh. #F-8428, \$10.00
 2/ 300 ohms 15 ma DC, Sec: 600 ohms, + 9dbm 100 - 3500 hz, 1.4 x 1.4 x 2.3, Made by UTC H-9985, #225C1015, \$10.00
 500 ohms CT, 50 ohms split. 1.3x0.7, 1 lb, Pico. #R20145, \$6.00
 600 ohms CT 7ma 600 ohms CT 15 mw, 2DB, 200-10KCY. Microtran. 0.5x0.5x0.5, 1 lb, #VM14-M, \$5
 Primary 600 ohms CT, 600 ohms CT; Secondary 600 ohms, 600 ohms, 600 ohms CT. 1.6x0.7x0.7, 1 lb, #656-1016-000, \$6.00
 4000 ohms 8 ohms 2 watts. Frequency range 250 - 5000CPS. Max working Volts 175. Ultrad. 2x1.8x1.3, 1 lb, #3202, \$15.00
 10000 ohms 12ma DC, Sec: 8 OHMS, 100-3500 HZ, 1.5 X 1.5 X 2.3 H, #225C1010, \$18.00
 10000 ohms 600 ohms, 100 mw, 200 - 20000 hz. DC current 0 Zero, Made by Freed. 1.3 x 1.3 x 2.3, #27780 \$18.00
 25K ohms 3ma 600 ohms 15 milliwatt 250-3500CY. +/- 2DB. Hammond. 1.6x0.9, 1 lb, #32480, \$10.00
 Transistor Interstage Transformer. Primary 10K ohm to a Secondary 200 ohm Center Tap. Made by Stancor. Unused, #TA-34, \$14.00

Pri: 60000 (1.5 ma 90v), tapped 12500 (6.5 ma 90v) Secondary 600 ohms tapped 8 ohms, 200 - 3800 hz 200mw, 1.5 x 1.5 x 2.5, #TR-1017, \$21.00

Audio transformers which we were told were from Altec/Altec Lansing Public Address amplifiers. We have no specific data on these, but offer them to those who may know what they are. All ohms listed below are DC resistance.

Pri. 0.5 ohm; Sec. 8.7 ohm tapped 8.4, 8.3, 8. Open frame, 2.7x3.7x2.3, 4 lbs sh. Sam Woo mfg. #050-7000-00, \$7.00

Pri. 0.3 ohm; Sec. 3.7 ohm tapped 3.65, 3.6, 3.5. Open frame, 2.9x3.4x2.8, 6 lbs sh. Sam Woo #50-7001-00, \$11.00

Tamradio #302216, Winding(1) 19.3 ohms, (2) 5.7 ohms CT, (3) 3.4 ohms CT, (4) 5.2 ohms CT, (5) 20.4 tapped 17.1 ohms, (6) 21.5 tapped 16.7 ohms Open frame, 3.1x3.2x2.8, 5 lbs sh. \$7.00

TRIAD TRANSFORMER

TRANSISTOR DRIVER 100 ohms 100 ma: 100 ohm CT, 50-10KHz 500 mw. 2.7x1.5x1.5. #TY-61X, \$6.00

Modulation Transformer by Triad. Primary 32 ohm CT 575ma. Secondary 3K, 4K, 6K ohm. 300-3000 CPS. 10 watts. #TY-65Z, \$10.00

RF Transformer, Pull out of SP-600 Receiver 7-14MHz Oscillator. 2.1x1.9x1.3, 1 lb sh. #RFT-600, Unused, \$7.50

70 Volt Line Transformer by Thordardson. Tapped primary 0.5, 1, 2, 4, 8 watts. Secondary 4, 8, 16 ohms. #24S71, Unused, \$6.00

MANY ITEMS NOT LISTED - TELL US YOUR NEEDS

Switching Power Supplies



HEAVY DUTY SWITCHING SUPPLY, outputs +5 VDC 28 amps, +12 V 4 A, +24 V 1.5 A from 115 VAC 60 Hz in. W/ ON-OFF switch, & 16-pin Molex output connector. "AS-IS" complete, no schematic" 2x5x13, 6 lb #SWPS-528, \$10.95

SWITCHING POWER SUPPLY with 3" axial fan. Outputs +5 V 10 amp, +12 V regulated 2.5 A, +12.5 V 5 A unregulated from 115 VAC 50/60 Hz input. P/o Wang equip. 2.6x5.1 x12.5, 7 lbs. #12690, \$20.00



POWER SYSTEM switching supply, outputs +5 V 7 amps, +12 V 3 amps, -12 250 ma, -5 300 ma from 115/230 VAC 50-60 Hz input. 7.8x 4.4x1.5, 3#. NEW: #PS1558, \$21.00



Switching Power Supply, Outputs: 5VDC 20A, 15VDC 2.5A, -15VDC 1.0A, 24VDC 4.0A. Housing is perforated. Requires 115/230VAC 50/60 Hz. Xentek Inc mfg. 10.9x7x4.2, 7 lbs #SX200-81605, Used, \$12.00; 4 for \$39.95



Switching Power Supply, Outputs: 5VDC 21A, -5.2VDC 7.5A, 12VDC 4.7A, -12VDC 1.5A. Each output has a potentiometer adjusting the voltage +/- 1 volt. Perforated housing with a heatsink on top. Requires 115VAC 60 Hz. Various mfg. 10.9 x 7 x 4.2, 15 lbs #A3060884, Unused, \$14.00; 3 for \$34.50

24VDC 11 amp output switching power supply which DOES WORK with the R-392 and GRC-106 Receiver / Exciter. Requires 115V or 230V 60Hz. Made by Acme Electric Corporation. 9.5x5x2.5, 6 lbs sh. #25A1, Used, \$63.95



Power Supply Modules

+5/-5 V 3 AMP REGULATOR BOARD, up to 24 VDC unregulated. Capacitors two 15000 mf 15 V, 33000 mf 30 V. Two each KBPC rectifiers, 2N6576, 2N4441 SCR. 7.8x6x4; 3 lbs sh. #MEND-REG-5V, \$7.00



REGULATOR MODULES from Sun supplies, each with current limit and voltage adjust. Includes bridge rectifier, filter capacitor, two 2N3055 or equal and 723 regulator; 2 lbs sh. No further info. #SUN-REG-124, 12 V 4 amp, \$14.00 #SUN-REG58, 5 V 8 A w/OVP; \$12.00



Power Supply Kit

1A POWER SUPPLY KIT. This small power supply provides a regulated voltage, adjustable between 1.5 and 35 volts at 1 Amp. With the LM317 regulator remarkably better ripple and regulation characteristics are given with conventional regulators. Current limiter and thermal overload protection are included in the IC. Supplied without heatsink. Output current: 1.5A max. Max. dissipation: 15W (cooled). Max. input voltage: 40VDC. PCB dimensions: 2.1" x 2.1". #K1823, \$15.95



Power Supplies



5 VDC 3 AMP EXELON DC REGULATED SUPPLY, and 12 VDC 0.1 amp output from 115/230 VAC 47-63 Hz input. 5x5.3x2.8, 4 lbs. #PS-1545, New, \$14.00

Power Supply with outputs of +5VDC 16.5A, +12VDC 3.5A, -12VDC 1A. Inputs 100-240VAC 50-60Hz. Made by Acme Electric. 10.2x5.8 x2.5, 7 lbs sh. #HF-75064, Used, \$19.99



12VDC 1.7 Amp Lambda Power Supply, Primary 115VAC 60Hz. 4.9x4x2.4, 5 lbs sh. #LNS-Z-12, Unused, \$19.99



12VDC 13 Amps Regulated Power Supply by Standard Power. Requires 115/220/230VAC 47-440Hz. 13.4x4.7 x4.8, 19 lbs sh. #01-302344, \$45



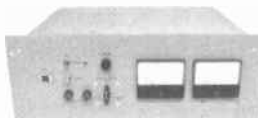
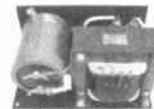
Kepco DC Power Supply, 0-15VDC, 0-1.5 Amps. Perforated housing. 6.3x4.9x3.3, #PAT-15-1.5, 7 lbs sh. \$19.95

Linear Regulated Power Supply by Lambda, adjustable 20VDC +/- 5% at 5 amps. Perforated housing. Requires 205-265VAC 55-65 Hz. 10x4.9x4.8, 17 lbs, #LM-CC20-V, Used, \$60.00



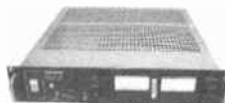
24VDC 8.3 Amps Regulated Power Supply by Lambda. Requires 115/220/230VAC 47-63Hz. 24x7x5, 22 lbs sh. #LOS-R-24, \$65.00

27.3VDC 7.5 Amp Elpac Power Supply. Input is 115VAC 60Hz. Not Regulated. 5x8x3.9, 15 lbs sh. #BFS200-24, \$39.95



Rackmount Lamp Power Supply by Westinghouse covering 12 to 65VDC at 3 to 9.5 amps from an input of 115/230VAC 60Hz. The power supply does have a current adjust but does NOT have a voltage adjust. The voltage is directly relative to what the current is set at. Has 2.9"H x 3.5"W panel meters for Amps and Volts. Running time indicator. 15.5x19x7, 49 lbs sh. #WE-65, Unused, \$159.50

Sorensen DCR40-13B Rackmount Power Supply 0 to 40 V @ 13 A. Low-level remote sensing, manual & automatic control, direct & master-slave paralleling & series operation. Low ripple and noise. Fine/coarse adjustments for current and voltage. Large analog current and voltage meters Power required 115 V 50/60 hz, 19x21x3.5, 48 lbs sh. #DCR40-13B, Used Checked, \$375.00



5 - 24 VDC Power Supply



COMPACT SWITCHING POWER SUPPLY, 20 selectable outputs: 5 to 24V DC in steps of 1V (from 4.3 to 1.5A) Power: 36W. Get rid of those bulky power-hungry heat-producing adapters. These adapters use state-of-the-art switching power supplies and feature some major advantages such as: - cooler running - stabilized output - short-circuit and overload protection - compact design - very low idling consumption. Comes with 8 detachable DC plugs. Ideal for notebook computers & personal digital electronic devices. Requires 100 - 240V AC. Output plugs: 2.5mm mono, 3.5mm mono, 1.0x 3.0mm, 1.35x3.5mm, 1.7x4.0mm, 2.1x5.0mm, 2.5x 5.5mm, 1.5x5.5mm. 3.5"x1.8"x1.2", #PSSMV7U, New, \$49.95

H V Supply

HIGH VOLTAGE POWER SUPPLY, input 120 VAC 60 Hz. DC outputs: - 8000 V 0.25 to 1 ma, +120 V 15 ma, +24 V 1.25 amps, +16 V 450 ma. 4x9.5x4, 17 lbs sh. #GE9T63Y2280G03, Used some rust, \$17.95



1-2000 VDC @ 20ma Adjustable Rack Mount Power Supply by Power Designs, Inc. Meter is for voltage and current with a toggle switch determining function. Requires 115VAC 60 Hz. 19x19x5, 29 lbs sh. #2K20, \$250.00

Variable Transformers

- - OTHER RATINGS AVAILABLE - -
Tell us your needs!

All variable transformers listed below are used good condition unless otherwise specified.

GENERAL ELECTRIC VARIABLE TRANSFORMER, input 120 VAC 60 Hz. Isolated output 0-50 VAC. Maximum current load: 5 amps. Two units wired in series will produce 120 VAC output. Coil not enclosed; dial plate & knob not included. 4.4"dia X 4"H; 6 lbs GE #9T92A1515, New, \$24.00; 2 for \$39.95



380 HZ VARIABLE TRANSFORMER, input 120 VAC 380/1000Hz; output 0-120 VAC 380/1000 Hz 13 amps. 7x6.2x3.3, 9 lbs. #GA5065OL \$26.00



Variable transformers listed below are 240VAC 60Hz Inputs; not enclosed.

Powerstat 9 Amps 0-240V, Input 240V, motorized, perforated sides. 9.1x9.5x10, 30 lbs. #2388-10698, \$100.00



Staco 10 Amps 0-240V, input 240V, motorized, perforated sides. 8.9 x 9.5 x 10.3, 30 lbs sh, #033-7015, \$115.00



Acopian Power Supplies

Acopian Gold Box Series Power Supplies. Fully enclosed with terminals for wire connection. Perforated covers. Each unit is linear regulated and requires 105-125VAC 50-400Hz. All voltages listed are DC. Removed from lightly used equipment. Nice & clean.



2V 6.0A, A2MT600, \$27.00
2V 12.0A, A2MT1200, \$34.00
+/- 5V 2.5A, Dual Track VTD5-250, \$34
5V 5.0A, VRB5G500, \$27.00
5V 5.1A, VA5MT510, \$27.00

5V 6A, VA5MT600, \$27.00
5V 12A, VA5MT1200, \$46.00
5V 17A, VA5H1700, \$40.00
5V 22A, VA5H2200, \$46.00
±15V 400 ma, Dual Track VTD15-40, \$46
±15V 500MA Dual Track VFD15-50, \$46

15V 2A, VA15NT200, \$75.00
±15V 2.5A, Dual Track VTD15-250, \$110
15v 3.0A, VRB15G300, \$99.50
±15V Dual Track 4.5A, VTD15-450, \$129
24 V 750mA, B24G75, \$27.00
0-100V 100ma, A0100MX10, \$95.
200v 100ma, B200GT10, \$167.00

CHECK OUT OUR LATEST FEATURE ITEMS AT FAIRRADIO.COM

Inverters



12 VDC to 120 VAC 60 HZ INVERTER, rated 200 watts continuous; 600 W surge. Output is squarewave with zero-crossing. Has studs for input & 3-cond outlet. 3 x 7.5 x 4.8, 7 lbs. #RC-12200, New, \$59.50

ROTARY INVERTER, output 115 VAC 400 Hz 1 phase 750 VA from 28 VDC 60 amp input; Leland or =, 12x9.5 x7, 42 lbs sh. #INV-750, Gov't-Recond, \$77.00



Motor Generator for GRC-106 Model SS688. Input 27.5VDC 24 Amps. Output 115VAC 60Hz 3.48 Amps. Continuous duty. 3600 RPM. 12x6.5x12, 47 lbs sh., #SS688, Used, \$89.00

400 HZ INVERTER KIT removed from PP-2352; good foundation for 28 VDC to 115 VAC 400 Hz 500 watt 1 phase inverter. Includes oscillator feedback, driver, output, & regulator transformers, two saturable reactors & schematic info. Add other components to suit your power needs; 10 lbs #KIT400HZ-500W, \$67.00



400 HZ SOLID STATE INVERTER KIT will produce 115 V 400 Hz at a current and voltage dependent on the

transformer you use. Supplied parts include, special feedback transformer, resistor/diode boards, two transistors on heatsinks which when combined with your center tapped transformer will produce 400 Hz power. For 12vdc operation use a 20-26 vct transformer. For 28 volt input use a 40 -52 vct transformer. With schematic & info. #INV-47, \$27.00

Power units FROM AM-3349 see better pictures at our web site.

DC-AC 400 HZ INVERTER. Input 26 VDC. Designed outputs 120 VPP 400 Hz and 156 VPP 400 Hz. Also 12.6 VPP

400 Hz 600 ma for filaments. Components mounted in irregularly shaped casting. Transformer is not removeable. Removed from equipment. With schematic. 2.3x6.6x4.9, 5 lbs sh. #2A6A1, \$35.00



Inverter from AM-3349 which contains the DC - DC supply for the High voltage power supply that powered two 4CX350F tubes to 400 watt PEP. Power input is

24VDC. This supply produced 500 VDC plate and screen grid supply for 8233 driver tube, and screen grid for PA tubes. Also 2400 VDC plate voltage for PA tubes. Transformer and components are mounted to irregularly shaped casting. With schematic. 7x18x6.9, 21 lbs sh. #3349-INV, \$67.00

Dynamotor Supplies

#D-10A Used, \$21.00;
#D-401 Used, \$18.00
#DM-36 Re-new, \$21.00
#DM-53-24, 24V Used w/ base, \$14.00
#DM-53-12, 12V Unused w/ base, \$27.00
#DY-9 or equal from ARC1, \$20.00
#DY-86 from ARN-30, \$21.00;

#PE-98 14V Used, \$40.00;
#PE-133 Unused, \$21.00

#2C4312/B50 Hinge Set f/ DM-21 in BC-312, Used, \$18

NTE Semiconductors

NTE Cross Reference CD, \$5.00

NTE Cross Reference Book, \$4.95

NTE#	DESCRIPTION	PRICE
2V130	MOV 130V RMA	\$1.97
85	T-NPN SI GENERAL PURP AMP TO-92	\$1.02
109	Diode-Germanium Gen Purp 75PRV DO-7	\$1.80
112	DIODE-SI-UHF TV/MIXER DO-7	\$1.57
116	RECTIFIER-SI 600V 1A DO-41	\$0.79
123	T-NPN SI-AF PREAMP/DRIVER TO-39	\$0.89
123A	T-NPN SI-AF/RF AMP TO-18	\$1.59
123AP	T-NPN SI-AF/RF AMP TO-92	\$1.33
125	RECTIFIER-SI 1000V 2.5A DO-41	2/\$0.89
125-10	Pack RECTIFIER-SI 1000V 2.5A DO-41	\$3.49
125-100	Pack RECTIFIER-SI 1000V 2.5A DO-41	\$28.99
128	T-NPN SI-AF PREAMP DRIVER TO-39	\$2.17
128P	T-NPN SI General Purpose AMP TO-237	\$2.16
129	T-NPN SI-AF OUTPUT TO-39	\$2.40
130	T-NPN SI-AF POWER OUTPUT TO-3	\$4.30
135A	ZD-5.1V 1W DO-41	\$0.66
142A	ZD-12.0V 1W DO-41	\$0.66
145A	ZD-15.0V 1W DO-41	\$0.66
156	RECTIFIER-SI 1000V 3A DO-15	\$1.40
159	T-NPN SI-AF PREAMP DRIVER TO-92	\$1.74
172A	T-NPN SI-DARLINGTON AMP TO-98/92	\$0.98
177	Diode-SI Gen Purp Det 200 PRV DO-35	\$1.19
181	T-NPN SILICON AUDIO AMP TO-3	\$8.50
184	T-NPN SILICON AUDIO PO TO-126	\$2.45
185	T-NPN SILICON AUDIO PO TO-126	\$2.75
199	T-NPN SI-LO NOISE TO-92	\$1.17
253	T-NPN SIL DARL 80V HFE-2000 TO-126	\$2.37
261	T-NPN SIL DARL 80V TO-220	\$2.66
262	T-NPN SIL DARL 80V TO-220	\$2.38
263	T-NPN SIL DARL 80V TO-220	\$2.80
287	T-NPN SI-HI VLTG Gen Purp AMP TO92	\$0.88
289A	T-NPN SI-AF POWER OUTPUT TO-92	\$1.56
290A	T-NPN SI-AF POWER OUTPUT TO-92	\$1.62
291	T-NPN SI-POWER OUTPUT/SW TO-220	\$3.49
303-5	Pack HEAT SINK COMP'D 1 GRAM	\$2.77
331	T-NPN SI-AUDIO PO/SWITCH TO-220	\$3.66
373	T-NPN SI-AF DRIVER TO-126	\$1.98
378	T-NPN SI-Power Driver/Output TO-220	\$3.38
399	T-NPN SI-VIDEO OUTPUT GIANT TO-92	\$3.60
422-2	Pack Insulator Kit for TO-220 Package	\$1.96
423-2	pack IC SOCKET 8PIN DIP	\$1.34
458	JFET-N-CHAN GEN PURP AMP TO-92	\$3.64
506	RECTIFIER-SI-HI CUR/FAST SWITCH	\$1.96
519	DIODE-SI FAST SWITCHING DO-35	\$1.19
552	RECTIFIER-SI 600 PRV 1A DO-41	\$1.59
558	RECTIFIER-SI 1500V 1A DO-41	\$1.69
570	D-SI CONTR AVALANCHE 135V TO 180V	\$1.58
574	R-SI 400V 1A FAST RECOVERY DO-41	\$0.62
576	RECTIFIER-SI 400V 5AMP 35NS DO-27	\$1.70
577	RECTIFIER-SI 1000V 5AMP 70NS DO-27	\$4.33

NTE#	DESCRIPTION	PRICE
580	RECTIFIER-600V3A FAST RECORD	\$3.44
588	DIODE-SI 200V 3A ULTRA FAST DO-27	\$1.76
618	DIODE-AM RADIO TUNING DIODE	\$2.99
778A	IC-DUAL OP AMP 8 PIN DIP	\$3.81
941M	IC-FREQ COMP. OP AMP 8-PIN DIP	\$1.07
955M	IC-TIMER/OSCILLATOR 8-PIN DIP	\$1.86
960	IC-POS VR 5V 1A TO-220	\$3.73
966	IC-POS VR 12V 1A TO-220	\$3.93
987	IC-QUAD OP AMP 14-PIN DIP	\$2.48
1866	IC-LED VU Scale Meter Driver 9-PIN SIP	\$2.14
2018	IC-8 CHAN CMOS/TTL DR 18-PIN DIP	\$3.81
2331	T-NPN SIHI VLTG Horiz Switch w/ Damper	\$9.98
2343	T-NPN SI Darl Power Amp/Switch TO-220	\$2.36
2353	T-NPN SI COLOR TV HORIZ OUTPUT	\$10.51
2389	MOSFET-PWR N-CHAN HI SPD SW TO-220	\$7.67
2395	MOSFET-PWR N-CHAN HI SPD SW TO-220	\$5.29
3041	Opto Isolator/NPN Transistor Output	\$2.11
4006B	IC-CMOS 18 STAGE 14-PIN DIP	\$3.00
5077A-2	pack ZD-18.0V 1W DO-41	\$1.98
5304	RECTIFIER-SI BRIDGE 400V 1.5A	\$1.73
5322	RECTIFIER-SI BRIDGE 200V 25A	\$4.80
5332	RECTIFIER-SI BRIDGE 600V 1A	\$1.67
5342	RECTIFIER-SI BRIDGE 600V 40A	\$11.99
5344	RECTIFIER-SI BRIDGE 1000V 40A	\$12.99
5800	RECTIFIER-SI PRV 3A Axial Lead DO-201	\$0.51
5801	Rectifier-100 PRV 3A Axial Lead DO-201	\$0.76
5804	Rectifier-400 PRV 3A Axial Lead DO-201	\$1.18
5809	RECT-1000 PRV 3A Axial Lead DO-201	\$2.60
5812	RECTIFIER-100 PRV 6A	\$1.58
5814	RECTIFIER-400 PRV 6A	\$1.84
5815	RECTIFIER-600 PRV 6A	\$2.89
5817	RECTIFIER-1000 PRV 6A	\$3.70
6419	SIDAC 110-125V	\$2.76
7407	IC-TTL Hex Buffer/Driver 14-Pin Dip	\$1.57
8085	THERMAL FUSE 87°C	\$1.60
8090	THERMAL FUSE 93°C	\$1.60
8098	THERMAL FUSE 100°C	\$1.60
8103	THERMAL FUSE 104°C	\$1.60
8118	THERMAL FUSE 121°C	\$1.60
8139	THERMAL FUSE 141°C	\$1.60
8181	THERMAL FUSE 184°C	\$1.60
8213	THERMAL FUSE 216°C	\$1.60
8242	THERMAL FUSE 240°C	\$1.60
75189	IC-DTL QUAD Line Driver 14-PIN DIP	\$2.14
TP0001	Thermo Pad for TO-3 - 5 Pack	\$1.66
TP0002-100	Thermo Pad for TO-66 - 100 Pack	\$17.95
TP0004	Thermo Pad for TO-126 - 5 Pack	\$0.89
TP0006	Thermo Pad for TO-220 - 5 Pack	\$1.22
TP0007	Thermo Pad for DO-5 - 5 Pack	\$1.34
TP0010	Thermo Pad for TO-3PML - 5 Pack	\$2.20

Regulators / Conditioners

ONEAC power conditioners combine an isolation transformer with power conditioning to protect your equipment. Various power connections are available. Made by ONEAC.



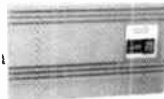
Input 280 VAC 16 amps 50/60 Hz. Output 240/120 VAC 16 amps. Load regulation 2%. 18.3x10.5x10.5, 100 lbs sh, #CC2333, \$75

Input 208 VAC 12.6 amps. Output 240/120 VCT 10.4 amp. 18.3x10.5x10.5, 95 lbs sh. #CS2328-8, \$65.

Input 208 VAC 20.8 amps. Output 240/120 VCT 17.4 amp. 18.3x10.5x10.5, 95 lbs sh. #CS2348-8, \$80.

Input 120 VAC 12 amps. Output 120VAC 12 amps 50/60 Hz. 15.3x8.5x5, 45 lbs sh. #CS1115R, \$92.00

WANG POWER CONDITIONERS, electronic line voltage regulators with full magnetic isolation protects computer & similar equipment from line voltage surge or "sag" damage. Provides "clean" 120 VAC 60 Hz output from inputs of 90 to 135 VAC 60 Hz. Low input shutdown @ 50% of nominal. OVP shutdown @ 12% above max output. 7.8x13x10.4: 1000 VA output with one large L5-20R receptacle; 45 lbs sh. #SC-100A-PC, New, \$225.00



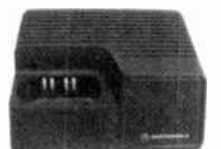
60 Hz - 400 Hz Converter



Static Frequency Converter, Input 120V 60Hz to 117V 400Hz 500 watts single phase. Overload protection. With maintenance manual, power input cable and connector for output. 21x12x15, 120 lbs sh. Unused, #CV-2488, \$380.00

Saber / Astro Charger

Motorola NTN4734A Saber / Astro Battery Desktop Charger. Output 9.5VDC 1.5A. Requires 115 VAC 60Hz. It has been tested and is in good physical condition. With power cord. 6.5x7.6x3.3, 6 lbs sh. #NTN4734A, Used, \$35.00



As above but less power cord. #4734A-NOCORD, Used, \$30.00

Handcrank Generator



G-41 (or equal) Handcrank Generator, used in various military phone equipment such as TA-312. 90V w/ very low amps. Use to replace "dead" generator in antique phone or for remote bell ringer or as "worm shocker". 4" L x 2.5" diameter. 4 lbs sh. #G-41, Used, \$52.00

PLACE YOUR ORDER OVER THE WEB AT FAIRRADIO.COM

Other Semiconductors

2N3716, \$2.50 2N4126, 5/\$1.25 2N6292, 2/\$1.25
2N3739, \$2.50 2N5428, \$1.25 2N6675, \$4.50

REGULATORS

1.2-37V 1.5A out; 0.03% load reg., #LM-117K, \$4.00
30W 3 amp 5V positive regulator, #LM-123K, \$2.25
Negative adjustable regulator, #LM-137K, \$2.25

Metal Oxide Varistors "MOV"

Part #	VAC	Joules	Amp Pk	Price
S14K60	60	17	4500	\$1.00
S14K130	130	34	4500	\$1.15
S10K230	230	36	2500	\$1.20
S14K175	175	46	4500	\$1.30
S14K275	275	71	4500	\$1.45
250L20	250	72	4500	\$1.50
75UL	275	75	4500	\$1.60
Z510LA40A	510	110	4500	\$1.80
140UL	275	140	6500	\$1.90
S20K510	510	280	6500	\$2.00

IsoTop Power MOSFET

Power MOSFET, Low gate charge- Fast Switching
Rds on 0.180 ohm, Id continuous 40Amps Pd watts
690, Ciss(pf)11715 Qg (nC) 468, removed from equip-
ment, no hardware. Hardware required is metric.
15/16"D x 1 7/16"W x 7/16"H, #APT8018, \$17.00

Rds on 0.150 ohm, Id cont. 38Amps, Pd watts 520,
Ciss(pf)5540 Qg (nC)242 removed from equipment, no
hardware. Same style as above. #APT6015, \$16.75

Rectifiers



25 Amp 50 Volt Bridge Rectifier
with spade terminals.
#KBH25005, \$2.25

25 Amp 100 Volt Bridge Rectifier
with wire terminals.
#NBS25-100L, \$2.75



1 AMP 50 PIV, #1N4001, 20/\$1.20
1 Amp 400 PIV, #1N4004, 15/\$1.20;
1 Amp 1000 PIV, #1N4007, 10/\$1.20
12A 100V, #1N3890, 4 for \$3.50
20 Amp, 100PIV, #1N249B, \$1.25
35A 100V, #1N1184, Used, \$1.50
200 PIV 300 A; 4" tail. #D-R610-0230, Used, \$10.00
RF DIODES: 1N21, \$1.50; 1N23, \$3.00

Motorola MR1265FL Rectifier rated 300 PIV 650 amp;
with hardware. 3.3x2.3x3.3, 3 lbs New, \$21.00

Diode Heatsink Assembly



SILICON CONTROL RECTIFIER
assembly single phase half-wave; GE
#C1411CX5 or equivalent. Rating
approx 500 V 35 amps. 7x6.3x5, 4 lbs
sh. #KS-19576L1,
Used, \$9.50

Power Heatsink with giant diode.
We approximate the diode to be at
least 100 amps. Heatsink 6x4x3.
#PWR-HS, Used, \$10



Heatsinks



Heat Sink Bonanza!!! Get
10 pounds of various
heatsinks in different
shapes & sizes with or with-
out diodes & semiconduc-

tors. #HEAT-10GB \$14.00
As above but 25 pounds. #HEAT-25GB, \$27.00

1.75" square Heatsink for one TO-3. Has 4
mounting holes. #680-75A, Unused, \$1.75



Heatsink for one TO-3. 1.9" x
1.4", #THM-6013, Unused, \$1.50

HEATSINK, 5x3x1.6; drilled for 3 large
stud rectifiers (1" dia recesses), #3D528-8, \$3.00

AC Fans



5-BLADE COOLING FAN,
4.6" dia rotation; no enclo-
sure. Mounting bracket
hole centers 5.9" apart.
115 VAC 60 Hz. 2 lbs ship-
ping. Mfg by Airtrol.
#11-2100, New, \$6.95

AXIAL FANS, 4.7" sq X 1.5" thick; 115
V 60 Hz.



5-BLADE in metal frame; 18 W.
Various mfg. #FN-5U, Used, \$12.95

6 Fan Panel



17.3"W X 10.5" panel
frame has six high output
Torin TA450S (or =) 4.6"
square 3-blade metal-
framed fans. Each fan
rated 65 CFM and requires
115 VAC 50-60 Hz 0.11
amps; 12 lbs. #6F-PNL, Used-excellent, \$53.00

DC Fans

Mini BOXER 12 VDC FAN, 0.13 amp; 3.6" sq X 1".
#3610NL, New, \$14.00

PANAFLO MINIATURE 12 VDC
FAN 2.3" sq.
#FBP-068-12L, New, \$12.00



AXIAL FAN, 4 3/4" square X 1
1/2" thick; 12VDC 0.5amps 6 watts. 3-BLADE,
Unused,
#12B1NDNX, \$18.00

PAPST 18 VDC 2 w / 30 VDC 3 W FAN 9-blades; 3.5"
sq X 1" deep. #3124F, New, \$13.00



CENTAUR 24 VDC AXIAL FAN,
11 watts but operates well at 12
VDC. 4.7"sqx 1.5" D metal
frame with 5-blade plastic fan;
2 lbs sh. #CNDC24K4-601,
Unused, \$12.95

Hupp Vehicle Fan

12 VDC HUPP FAN with
oscillating grill designed
for use in cars, trucks,
buses, RV's, etc where
"extra" air movement is
desired. Plugs into vehi-
cle cigarette lighter and
mounts on dashboard or other flat surface. White
plastic enclosure has black grill and pivots on
mount to adjust angle. Includes 4 ft cord and
brackets. 5 x 9 x 3.4, 4 lbs. #HUPP-200-14, New,
\$16.50 each; 3 for \$40.00



IC Sockets

LOW PROFILE

16 PIN, #ICS-16-LP, 12 for \$1.00
20 PIN, #ICS-20-LP, 10 for \$1.00
22 PIN, #ICS-22-LP, 6 for \$1.00
24 PIN, #ICS-24-LP, 6 for \$1.00

STANDARD

24 PIN, #ICS-24-S, 2 for \$1.00
28 PIN, #ICS-28-S, 2 for \$1.20
40 PIN, #ICS-40-S, \$1.00 each

WIRE WRAP

14 PIN, #ICS-14-WW, 6 for \$2.00
18 PIN, #ICS-18-WW, 5 for \$2.00

Selsyns & Synchros

CONTROL TRANSFORMER 90/55 V 60 Hz;
3.6"Lx2" dia. 2 lbs. sh. #1HCT-MKII, Used, \$27.00

RECEIVER, 115 VAC 400Hz, #23TR4, used, \$14.00



TACHOMETER GENERATOR,
motor 265 V 400 Hz 2 phase:
generator 18 V 400 Hz
0.3V/1000 RPM. No load speed
10000 RPM. 2 1/8"Lx1" dia
3/16"Lx1/8" dia shaft. #TACH-

SEL-MOD, \$12.00

PHASE SHIFTER, unsymmetrical resolver; rotor 1
phase 5 V 30 Hz. stator 2 phase 5 V 30 Hz. 1.4"
dia x 2"L. #PS-17-E-1, used, \$14.00

AY-1 AUTOSYN as used in I-81/ I-82 indicators;
2 lbs sh. #AY-1, \$11.00

UNITED STATES NAVY SYNCHROS, Description
and Operation, a copy of Publication #OP 1303
printed April 1958; 100+ page primer about sel-
syn/synchro theory and types. #BK-USNS, \$18.00

Compass Indicators

3" DIA 0-360 deg-ree
RADIO COMPASS INDI-
CATOR, adaptable for
wind direction & antenna
position use; 5 degree
increments, 2 lbs ship-
ping. #I-81, Used, \$19.00



SPERRY MARINE INDICATOR
MARK XX MOD.2, part of
shipboard gyrocompass
repeater. Has 8" dia 360
degree scale in 1" increments
under glass; uses two Size-5
115 VAC 60 Hz selsyn trans-
mitters. One drives inner

directional indicator; second outer degree scale.
With 7 ft cable & special connector; 10" dia X
8.5"D; 45 lbs sh.
#IN-SPERRY, Unused, \$175.00

12VDC Fans



12VDC DC Fans with sleeve type bearing. New,
1.6"x1.6"x0.48", 3CFM, #BSS12/4LC, \$4.80
2.4"x2.4"x1.0", 11CFM, #BSS12/6LC, \$6.00
3.1"x3.1"x1.0", 15CFM, #BSS12/8LC, \$5.40
3.6"x3.6"x1.0", 22CFM, #BSS12/92LC, \$5.95
4.7"x4.7"x1.0", 44CFM, #BLS12LC, \$11.95

Blowers



Blower Motor by
Motordyne. 4500 RPM.
Requires 27.5VDC at 1
amp. 5.7x3.8, 5 lbs sh.
#2317-12, Used, \$12.95

Blower from Howard
Industries. Inlet is 1.5".
Outlet is 1.3" x 1.2". Motor
is rated .003 HP; 16 watt;
115V 60Hz. 4 lbs sh.
#127S297, \$18.95



MANY ITEMS NOT LISTED - TELL US YOUR NEEDS

AC Motors



A.O. Smith AC Motor 1725 RPM
1/2 HP 115/230 VAC 60 Hz
Single Phase input, 8.7/4.3
Amps. Shaft 2"Lx5/8" dia with
keyway. O/a 11x8x8.5, 14 lbs
sh. #44450, Unused, \$175.00



GENERAL ELECTRIC REVERSIBLE FAN
MOTOR, ball-bearing 115 VAC 60 Hz 1 amp
225 RPM motor. Use with fan blades
unless cooled by other means. Has
mount flanges and 5 mf capacitor;
4.5"Lx5.5" dia + 1.5"L x5/8" dia hollow
shaft, 11 lb #5KCP39EGH210, New, \$14.00; 3 / \$23.

**BODINE AC GEARHEAD
MOTOR 200 RPM 1/7 HP 35**
in/lb torque, counter-clock-
wise rotation; 115 VAC 60
Hz input. Shaft 1.3"Lx
5/8" dia w/ 3/16" square key.
O/a 8.5"Lx5.6" dia; 14 lbs sh.
#ECCI-35E200, used, \$37.95



Ametek Shop Vac Motor. This is the
very high speed motor used in some
shop vacuums. Unit as pictured, motor
only with small cooling blades. Shaft
approx .5 inch long, 5/16 diameter. 5.3x4.6x4.6, 5 lbs
sh. #17749-00, Unused, \$14.95; 3 for 26.00



**240 RPM 115 V 60 Hz GEAR
MOTOR for intermittent use;**
starts @ 32 V approx 200
RPM. Increased volts
increases torque. Gearhead
extends 2.8" beyond motor; 1.1"Lx1/4" dia shaft.
Motor 2.8x2.8x2.4 + 5/8"x3/16" dia shaft for fan on
rear, 3 lbs sh. #MOL-2460, unused, \$7.95



115 V AC-DC MOTOR, starts at 25 VDC, runs CW
approx 7000 RPM 1/8 HP. 2.3x3x4.5 + 1.5"Lx0.4" dia
spiraled shaft; 3 lbs sh. #AC-DC-H02, \$5.00



PRINTER MOTOR ASSEMBLY, 24 VAC 60
Hz geared to about 4 RPM; can be wired
for clockwise or CCW rotation. 2.8x2.5" dia
motor on 3.8" sq metal plate; 2#. #MIZ-M0375R,
used, \$6.00; 3 for \$15.00

DC Motors



6 to 24VDC Gear Motor by Globe.
Rated at 54 RPM at 24VDC; 23
RPM at 12VDC; and 11 RPM at
6VDC. Originally designed for
24VDC. Removed from the AM-
3349 amplifier. 1/4" diameter shaft x 3/8" long. O/A
4.2x2x1.6, 3 lbs sh. #5A2871, Used, \$25.95



**NORTHFIELD ELECTRIC or
HAMILTON BEACH, 28.5VDC,**
5800 RPM motor. 4 amp with
1/15 HP. 1/4" dia shaft with
removeable gear x 1/2" long.
o/a 4" x 2.3", 3 lbs, #ALC-1000, Used, \$16.95
As above but 1/33HP, 3000RPM, 2.5A, #AWC-1000, \$14

DC MOTOR, operates over 10-15 VDC
100 ma 2375-2425 RPM with governor.
Shaft 5/16"L x 1/16" dia; o/a 2.9x1.1. #AST-GK26, \$12



MULTI-SPEED 24 VDC PM MOTOR
can be wired for 11500 RPM 0.012
HP 0.7 amp or 3000 RPM 0.033 HP
2.3 amp operation; motor starts to
turn at 9 VDC and is reversible. 6"x2.3" dia with 3.6"
dia collar; geared shaft 0.6x0.4" dia. 3 lbs. Sperry
mfg. #2960031, used, \$12.95



15 DEGREE STEPPER MOTOR
from printer; requires +9 to +40
VDC. High speed & performance w/ driver circuit
Info. 1x1.3" dia shaft; o/a 5.8"x1.6" dia, 2 lbs sh.
2 ohm field, #RBM-2-62, \$18.00
4 ohm, #RBM-4-62, \$21; 5.8 ohm, #RBM-6-62, \$23



Motor Start/Run Caps



MOTOR START AC ELECTROLYTIC. New not surplus.

110/125 volt

21-25mfd, #MSC125V21, \$3.96
124-149mfd, #MSC125V124, \$4.64
161-193mfd, #MSC125V161, \$4.93
189-227mfd, #MSC125V189, \$5.26
216-259mfd, #MSC125V216, \$5.58
270-324mfd, #MSC125V270, \$6.12
590-708mfd, #MSC125V590, \$10.48

220/250 volt

21-25mfd, #MSC250V21, \$4.93
30-36mfd, #MSC250V30, \$5.29
53-64mfd, #MSC250V53, \$6.55

24VDC PM Motor, will run from 6 to 30VDC at
approximately 200 RPM per 6V. 5/8" dia.
shaft is 2"L one end, 5/8"L on other. 10"L x
3/8" Dia., 16 lbs. #DH-4000-AD7, Used, \$56.00



24-29VDC Motor by Globe Industries. No
load ratings 60 RPM and 0.5 amp. Has
removeable cam on shaft. 1/4" dia. shaft.
5x1.5x1.5, 2 lbs sh. Used, #C5A1054, \$21



27VDC 2.4 Amp 3600RPM 1/30 HP Motor
by Delco. 6.5x2.9x3, 1/4" diameter shaft.
6 lbs sh. #A7155, Unused, \$6.95



Globe 27 VDC Mini-PM Motor, p/o
Collins 618T P-A; splined shaft 1/4"L x
1/8" dia; o/a 1.7"Lx0.9" dia. #41A205, used, \$7.50
GLOBE 27 VDC 1/100 HP MOTORS, 2.5"IX1.3" DIA
11000 RPM, p/o ARC-45, #C-25A686, used, \$12.00



JOHN OSTER SERIES MOTOR, 27
VDC 1/100 HP 7000 RPM. 3"Lx2" dia
+ 1"L x 1/4" dia shaft; 2 lbs sh.
#C2BP1A. Unused, \$6.00



28VDC 1.1 Amp Motor by John Oster
Mfg. 12000 RPM. 1 oz. in. torque.
3/16" diameter shaft. o/a 4.8x2.3x3.3, 3
lbs #BL-2-IS, Used, \$11; 3 / \$29



15 degree 4-PHASE VR STEP SERVO. 5 ohms
1.5 A; 28 VDC input pulse 3/4x 1/4" dia shaft;
o/a 3x3 1/4x3, 2 lbs. sh. Made in Canada;
removed from equipment. #20M34C1, \$14.00



MOTOR RUN AC METALIZED. New not surplus.



370VAC

2mfd, #MRC370V2, \$6.88
4mfd, #MRC370V4, \$6.89
5mfd, #MRC370V5, \$7.87
7.5mfd, #MRC370V7R5, \$9.50
10mfd, #MRC370V10, \$10.26
15mfd, #MRC370V15, \$14.69
25mfd, #MRC370V25, \$17.82

440VAC

10mfd, #MRC440V10, \$12.87
20mfd, #MRC440V20, \$20.05
25mfd, #MRC440V25, \$22.43

RF Capacitors



Centralab 850- TYPE "doorknob" capacitors,
7.5KV, 0.5"H x0.8" di; Used, \$8.25

#850-(specify pf),

10, 12, 25, 28, 40, 47, 50, 57, 67, 75 pf

1200pf 5KV from Ceramite, epoxy make, same size as
above. #CERA-1200, \$8.25

TYPE 857: 15KV, 40 or 50pf, #857-(specify pf), \$14.
25pf 5KV from HEC type MT53, axial leads, #MT53,
Unused, \$7.00

Brown Mica

JAN CM-size 1.8" x1.6". Used, \$1.75:

MFD	VVDC	CM	Part #	Price
.01	600	55	BM-01	\$2.75
.02	600	55	BM-02	\$2.00
.033	600	55	BM-033	\$2.00
.005	1200	55	BM-005	\$2.00



CM	MFD	VVDC	Part #	Price
55	.0003	1200	BM55-0003,	\$3.50
65	.0062	2500	BM65-0062,	\$4.50



F1L-size MICA, 2.8x1.5x1:

MFD	VVDC	Part #	Price
0.006	2500	BM1-006	\$5.50
0.0007	3000	BM1-0007	\$5.50
F3L	0.007mf	500VAC, #BM3-007,	\$12.00

Transmitting Mica

G-SERIES TRANSMITTING
CAPACITORS, used-good or
unused as available.



G-1-type, 2.3"H x 2.8" dia; 3 lb \$8.75

KV	MFD	Part#	KV	MFD	Part#
1.0	0.04	1TM-04	6.0	0.0001	1TM-0001
1.5	0.08	1TM-08	6.0	0.0002	1TM-0002
1.5	0.09	1TM-09	6.0	0.00024	1TM-00024
1.5	0.039	1TM-039	6.0	0.003	1TM-003

G3, 4"H x5" dia, \$21.00

KV	MFD	Part#	KV	MFD	Part#
20.0	0.00015	3TM-00015	10.0	0.00015	3TM-00015

G4, 5.5"Hx 5" dia. 8 lbs. \$37.00

KV	MFD	Part#
4.0	0.084	4TM-084

AC Capacitors

7.5 mf 260 V 2.8x2x1.3, #AC-7.5-260, \$3.00
3.5 mf 330 V 1.3x2.1x2.1, #AC-3.5-330, \$3.50
15 mf 330 V 2.2x2.9x4, #AC-15-330, \$5.00
2.5 mf 360 V 1.2x2x2.6, #AC-2.5-360, \$4.00
3 mf 370 V 1.3x2x2.7, #AC-3-370, \$4.00
10 mf 370 V 2.8x3x1.8, #AC-10-370, \$5.25
4 mf 380 V 1.3x2x4, #AC-4-380, \$4.50
7.5 mf 480 V 1.6x2.6x4.6, #AC-7.5-480, \$5.50
21 mf 525 V 1.9x3.5x6.7, #AC-21-525, \$9.50

Computer Grade

MFD	Volts	Size	Part#	Price
23,000	7	5.5x1.5	CGC-7	\$1.25
90,000	10	6x3	CGC-10	\$1.75
18,000	19	4.5x1.5	CGC-19	\$3.00
5,200	20	3.4x1.3	CGC-20	\$2.50
25,000	35	4x2.5	CGC-35	\$3.00
6100	40	5.8x1.3	CGC-40	\$3.00
9500	40	3x2.5	CGC-9500	\$3.50
4900	50	3.5x1.5	CGC-50	\$3.00
15,000	50	4x2.5	CGC-15000	\$4.00
3500	55	4x3	CGC-55	\$2.25
1400	150	4x1.75	CGC-150	\$7.00
1000	200	3.4x1.75	CGC-1000	\$12.00
770	200	4.7x1.3	CGC-200	\$19.00
6000	250	4.5x1.5	CGC-250	\$21.00
1500	350	4.5x2.5	CGC-350	\$27.00

Buy 5 or more one type - take 20% off

CLAMP for computer grades:
2" diameter, #CL-2, 3 for \$3.00

CHECK OUT OUR LATEST FEATURE ITEMS AT FAIRRADIO.COM

Electrolytic Axial

All the Electrolytic Capacitors listed below are axial lead and are new unless otherwise mentioned.



Less than 50 volts

mfd	part #	price	4-9	10+
50mf	16V ELE-50-16	4/\$1.00	\$0.25	\$0.23
100mf	16V PC Mt, #ELE-100-16,	4/\$1.00		
6800	ELE-6800-16	2/\$0.70	\$0.25	\$0.23
5mf	35V ELE-5-35	2/\$0.70	\$0.25	\$0.23

50 volts

mfd	part #	price	4-9	10+
1	NEH1.0M50AA	3/\$1.20	\$0.39	\$0.34
2.2	NEH2.2M50AA	3/\$1.20	\$0.39	\$0.34
4.7	NEH4.7M50AA	3/\$1.20	\$0.39	\$0.34
10	NEH10M50BA	3/\$1.30	\$0.42	\$0.37
22	NEH22M50BB	2/\$1.20	\$0.58	\$0.54
33	NEH33M50CB	2/\$1.30	\$0.62	\$0.58
47	NEH47M50CB	2/\$1.45	\$0.70	\$0.66
100	NEH100M50CC	\$1.00	\$0.97	\$0.90
150	NEH150M50	\$1.29	\$1.25	\$1.18
220	NEH220M50DD	\$1.29	\$1.25	\$1.18
470	NEH470M50EE	\$1.69	\$1.64	\$1.56
1000	NEH1000M50FF	\$2.62	\$2.55	\$2.41
2200	NEH2200M50FG	\$4.84	\$4.71	\$4.45
4700	NEH4700M50JB	\$8.48	\$8.25	\$7.81

63 volts

mfd	part #	price	4-9	10+
1500	ELE-1500-63	2/\$1.20	\$0.55	\$0.50

160 volts

mfd	part #	price	4-9	10+
10	C-ET10-160	\$1.12	\$1.07	\$0.99
22	C-ET22-160	\$1.52	\$1.47	\$1.38
47	C-ET47-160	\$2.05	\$1.98	\$1.84
100	C-ET100-160	\$2.24	\$2.15	\$1.99
220	C-ET220-160	\$2.62	\$2.52	\$2.35

200 volts

mfd	part #	price	4-9	10+
1	ELE-1-200	2/\$1.20	\$0.55	\$0.50

450 volts

mfd	part #	price	4-9	10+
10	MB-10-450	\$1.27	\$1.19	\$1.10
22	MB-22-450	\$2.70	\$2.50	\$2.30
47	MB-47-450	\$2.95	\$2.75	\$2.50
47mf	450V PC Mt, #E-47-450,	\$2 ea;	10/\$10	
100	C-ET100-450	\$6.18	\$5.99	\$5.53
150mf	450V Snap Mt, #ELE-150-450,	\$3.00		

Mylar



The MLR series is a range of radial lead non-polarized polyester film (Mylar) capacitors dipped in a hard epoxy coating material to provide excellent protection against moisture. These devices are intended for general purpose DC applications.

100 volt

mfd	part #	price	4-9	10+
.0022	MLR222K100	3/\$1.00	\$0.29	\$0.22
.0047	MLR472K100	3/\$1.00	\$0.29	\$0.22
.01	MLR103K100	3/\$1.00	\$0.29	\$0.22
.022	MLR223K100	3/\$1.00	\$0.29	\$0.22
.047	MLR473K100	3/\$1.19	\$0.36	\$0.29
.1	MLR104K100	2/\$1.00	\$0.46	\$0.39
.22	MLR224K100	2/\$1.39	\$0.65	\$0.59
.33	MLR334K100	\$0.99	\$0.89	\$0.76
.47	MLR474K100	\$1.05	\$0.99	\$0.92

630 volt

mfd	part #	price	4-9	10+
.001	MLR102K630	2/\$1.19	\$0.56	\$0.52
.01	MLR103K630	2/\$1.00	\$0.46	\$0.39
.022	MLR223K630	2/\$1.00	\$0.46	\$0.39
.047	MLR473K630	2/\$1.19	\$0.55	\$0.49
.1	MLR104K630	2/\$1.65	\$0.79	\$0.72
.47	MLR474K630	\$1.99	\$1.89	\$1.79

Orange Coating



All the Xicon Polypropylene (Orange Coating type) Capacitors listed below are in new condition.

MFD	Part#	Price	4-9 pcs	10&up
630V				
.001	OMB001	2/\$1.00	\$0.45	\$0.39
.0022	OMB0022	2/\$1.00	\$0.45	\$0.39
.0047	OMB0047	2/\$1.00	\$0.45	\$0.39
.0056	OMB0056	2/\$1.00	\$0.45	\$0.39
.0068	OMB0068	2/\$1.00	\$0.45	\$0.39
.0082	OMB0082	2/\$1.00	\$0.45	\$0.39
.01	OMB01	2/\$1.00	\$0.45	\$0.39
.022	OMB022	2/\$1.00	\$0.45	\$0.39
.033	OMB033	2/\$1.00	\$0.45	\$0.39
.047	OMB047	2/\$1.50	\$0.69	\$0.59
.056	OMB056	2/\$1.50	\$0.69	\$0.59
.068	OMB068	2/\$1.50	\$0.69	\$0.59
.082	OMB082	2/\$1.50	\$0.69	\$0.59
.1	OMB1	2/\$1.50	\$0.69	\$0.59
.22	OMB2	\$1.00	\$0.95	\$0.85
.47	OMB47	\$1.95	\$1.75	\$1.50
1.0	OMB1MFD	\$1.96	\$1.76	\$1.51

0.33mf 100V orange drop, #OR-33, 2/1
0.68mf 100V orange drop, #OR-68, \$0.95

Metalized Polyester

All the 630V Metalized Polyester Tubular Capacitors listed below are new.

MFD	Part #	Price	4-9 pcs	10&up
.001	YMB001	2/\$1.50	\$0.69	\$0.59
.0022	YMB0022	2/\$1.50	\$0.69	\$0.59
.0033	PY0033	2/\$1.50	\$0.69	\$0.59
.0047	YMB0047	2/\$1.50	\$0.69	\$0.59
.0056	YMB0056	2/\$1.50	\$0.69	\$0.59
.0068	YMB0068	2/\$1.50	\$0.69	\$0.59
.01	YMB01	2/\$1.70	\$0.79	\$0.69
.022	YMB022	2/\$1.70	\$0.79	\$0.69
.033	YMB033	2/\$1.70	\$0.79	\$0.69
.047	YMB047	2/\$1.70	\$0.79	\$0.69
.056	YMB056	2/\$1.70	\$0.79	\$0.69
.068	YMB068	2/\$1.70	\$0.79	\$0.69
.1	YMB1	\$1.25	\$1.15	\$1.05
.22	YMB22	\$1.25	\$1.15	\$1.05
.47	YMB47	\$1.25	\$1.15	\$1.05
.68	PY68	\$1.95	\$1.80	\$1.60
1.0	YMB1MFD	\$1.96	\$1.81	\$1.61

HV Capacitors

HV Axial Capacitor

0.01 mfd 10,000 volts Made by Dearborn. 5/8" diameter x 2 1/4", #430P, New, \$5. each; 3 / \$12.00

0.1mfd 3500VDC. Single terminal (Case Ground). Made by Aerovox. 4.2 x 1.3, #3514D, Unused, \$5.00

Energy Storage Capacitors Non-PCB, 88MF 1.2KVDC, w/ minor dents 10"Hx 4.5" Wx3.5"D, #HVC-88, 11 lbs Used, \$26.00

5MFD 1KVDC, 6"Hx2.8"Wx1.5"D, Unused, #HVC-5, \$8.75



0.4 MFD 100,000 VDC Capacitor, A HV experimenter's dream! 41" long x 8.7" dia. 0.4 MF 100,000 VDC capacitor removed from an exotic government project! Non PCB. 1.4"L x .5" dia #18 stud ends, 97 lbs sh. #100MV04, \$395.

1KV Disc Capacitors



Part #	Price	10-24	25+
3.3pf 9003D3	5/\$0.99	\$0.18	\$0.16
5.0pf 9005D0	5/\$0.99	\$0.18	\$0.16
10pf 90010	5/\$0.99	\$0.18	\$0.16
20pf 90020	5/\$0.99	\$0.18	\$0.16
47pf 90047	5/\$0.99	\$0.18	\$0.16
68pf 90068	5/\$0.99	\$0.18	\$0.16
100pf DSC-100	7/\$1.00	100/\$9.00	
120pf 90112	5/\$0.99	\$0.18	\$0.16
220pf 90122	5/\$0.99	\$0.18	\$0.16
330pf 90133	5/\$0.99	\$0.18	\$0.16
470pf 90147	5/\$0.99	\$0.18	\$0.13
680pf 90168	5/\$0.99	\$0.18	\$0.13
820pf 90182	5/\$0.99	\$0.18	\$0.16
1000pf 90210	3/\$0.99	\$0.29	\$0.19
2200pf 90222	3/\$0.99	\$0.29	\$0.24
4700pf 90247	3/\$0.99	\$0.29	\$0.19
7500pf 90275	3/\$0.99	\$0.29	\$0.24
0.01µf 90310	3/\$0.99	\$0.29	\$0.19
0.05µf 90350	\$0.99	\$0.94	\$0.88
0.10µf 90410	\$1.29	\$1.22	\$1.14

90pf 3KV Disc Cap, #DSC-90-3, 8/\$2.50
90pf 5KV Disc Cap, #DSC-90-5, 6 / \$2
180pf 5KV Disc Cap, #DSC-180, 6 / \$2.
1500pf 10KV Giant Disc Capacitor, #DSC-1500, \$4.00; 4 for \$12.00

HV Disc Cap made by MDC.

1500pF 21KV, #Z5R-1500-21, \$6
2500pF 8KV, #Z5R-2500-8, \$6
2500pF 12KV, #Z5P-2500-12, \$6
1000pF 35KV, #Z5R-1000-35, \$11

0.1mfd 25V Disc Cap, #DSC-0.1MFD, 8/\$2

Multi-Section Caps

The Multi-Section Capacitors listed below are unused by various mfg. To see a further listing of multi-section caps go to fairradio.com

300-100-80MFD at 150-150-150 Volts 2.5X1.3 #MULT-300, \$8.95
75-75MFD at 300-300 Volts 2.5X1.3 #MULT-75, \$9.95

Feed-Thru Suppression Caps, ERIE 1202 1000 pf 1KV. Used, #1202-1000, 3/\$3.25

Vacuum Capacitors

Vacuum Variable 10-1000pf at 5KV and have 1/2" dia. shafts. Overall size 7.5" long x 2.8" dia. Used high pot tested. 5 lbs sh. Energy Lab, Ceramic, #EL5-1000-5, \$230

Ceramic Vacuum Variable Capacitors. Each capacitor has a 3/8" dia. shaft with removable pin. Used.

300pf at 10KV, 3 5/8"D x 8 1/2"H, 7 lbs sh. #CVDD-300-10, \$299.00

200pf at 10KV, 3 5/8"D x 8 1/2"H, 7 lbs. #CVDD-200-10, \$299.00

1000pf at 15KV, 4.5"D x 8.8"H, 12 lbs. #CVDD-1000-15, Used Checked, \$399

Air Variable



5 Gang Air Variable Capacitor covering 20 to 425pf per gang with a .02" air gap. Has a 3/8" diameter shaft x 1/4" long. Overall 6.4x 3.2x2.8, 4 lbs sh. #5G-425, \$22.00

Same ratings as above except has a removable right angle drive which accepts a MC-124 tuning spline. Also has a longer shaft. With the right angle drive removed the shaft is 3/8" diameter with 1" length. #5G-425-GR, \$23.00

3 Gang, 4-25pf, 4-20pf, and 3-17pf. Air gap of around 0.03". 1.4"L x 1/8" diameter shaft. o/a 4x1.4x1.3, 1lbs sh. #3G-25, Unused, \$8.50

2 Gang Air Variable Capacitor, 14-78pf and 17-100pf with a 0.09" air gap. Shaft is 3/4" L x 1/4" Dia. O/A 5.3x1.5x3.3, 3 lbs sh. #C-221/T-195, Used, \$23.00

SINGLE GANG 8-26 pf 0.06" air gap; 2.8" disc removes for 0.5"L x 1/4" dia shaft. W/ four 1.8"H insulators. Capacitor 1.5x2.8x3.1 o/a #T7660443-8, used, \$8.50

Tuning Capacitor Assembly for RT-66-67-68 transmitters. 6 sections; four 8-64pf, two 8-55pf. Also six 4-23pf trimmers. Dual geared 3/8" diameter shafts; 4.8x4.8x3, 3 lbs sh. #3D9067E6, Unused, \$12.00

FM Tuner

FM Tuner with AM capacitors, one FET/two transistor oscillator; requires -12V. Shaft 0.5"L x 1/4" diameter; o/a 3.5x2.3x2.8, 2 lbs sh. #FB113U13, Unused, \$9.50

500pf at 15KV, 3 1/4"D x 7 1/2"H, 1/2" dia. shaft. 7 lbs. #CVDD-500-15N613, \$360.00

1500pf at 10KV, 5.5"D x 9"H, 1/2" dia shaft, 14 lbs, #CVDB-1500-10, \$475.00 As above but 2300pf #CVDB-2300-10, \$550

3.5-7 pf 35 KV 4.3"Lx3" dia, 5 lbs sh. UNUSED, #CVA-7-5, \$99.00

FIXED VACUUM CAPACITORS

various mfg; used:
3pf 25 KV cer.; 3.3Lx0.8, #CY-3-25, \$17
25pf 10 KV, 2.6Lx1.5, #JCS-2A-10, \$21
12pf 20KV; 6.5Lx2.8, #VC-12-20, \$20
12pf 30KV; 6.5Lx2.2, #CLF1-12-0030, \$31

CALL US AT 419-223-2196 or 227-6573

24 HOUR FAX 419-227-1313

Potentiometers

2 ohm Potentiometer. Around 2 watts. Unused, #83-4072, \$3.50



Three stacked 80 ohm Potentiometer. 2.6" long x 1.25 diameter. #POT-803, Unused, \$3

10-TURN PRECISION POTS. 1/4" dia shafts. 100 ohm 2.8"Hx 1.8"dia. #A-R100-L25, \$9.50



500 ohm Precision Potentiometer. Wattle unknown. 2.9"Diameter. 1/4" diameter. Made by Muter. #POT-500, \$5.00

Grimes Four Section Potentiometer with knob. 1 K ohm at 2 watt per section. #A-4627, Unused, \$4.00



5K ohm Potentiometer with a 2 amp 250V Switch. Unused, #344832, \$4.00

7.5K ohm Pot with 3 amp 125V Switch. Unused, #SM-B-180861, \$4.50



ALPS 10K ohm potentiometer with a pull on / push off DPST switch. 1/4" diameter shaft. Probably good up to 1/2 watt. Used, #N-800, \$4.00; 4 / \$14

10K ohm Screw Driver Adjust Trim Pot. #90H-103, Unused, \$2.00



ALPS or = with switch; 5/8" dia + term. Shaft 1/4" dia. \$1.50 each: #POT-10K, 10Kohm; #POT-50K, 50Kohm #POT-100K, 100K ohm



20K ohm Precision Wire Wound General Radio Style Potentiometer. Wattle unknown. Unused, #353-5235, \$6.

10 turn 3 section potentiometer 20K x 20K x 20K ohm. Made by Litton. 1/8" diameter shaft. 2.8x1.8, #MDU19-10X3, Unused, \$7.50



Trimmer Caps

with screwdriver adjust shafts:

#C2-8, 2-8pf, 3 / \$2.50
#C4-11, 4-11pf, 3 / \$2.50
#C653/R174, 2-11pf, 3 / \$2.50
#C2-16, 2-15.7pf, 3 / \$3.00
#C103/382, 4-23pf, 3 / \$3.25
#C5-25, 5-25pf, NPO 3 / \$3.50

Sub-mini Piston Trimmer Cap 1.5-4.0pf 500V. By JMC mfg. #7666, Unused, \$7

TRIM CAPACITORS. Screwdriver adjust. These dielectric film trimmers are used on PCBs, e.g. in radios. Suitable for industrial

equipment thanks to their good stability. Rated for 250 volts. New,

PF Dia Temp. Max. Part #
5.5-65 0.39" 158F #TRIM65P,\$2.99
5.5-80 0.39" 185F #TRIM80P,\$3.99



25K ohm Variable Resistor / Potentiometer. Wattle unknown. 3/8" dia. shaft. Unused, #3RA8101, \$8.75

100K ohm Potentiometer by Clarostat. Wattle unknown. 1.7"Diameter. 1/4" diameter. #140-6333, Unused, \$3.00

100K ohm Potentiometer. Around 1/2 watts. Unused, #CTS-238, \$3.25

2 Mega Ohm at 2 watts Potentiometer by Ohmite. 1/4" shaft. #CU-2052, Unused, \$3.00

Precision Resistors

DALE (or =) POWER RESISTORS metal-type:

Ohms	Watts	Tol.	Part#	Price
1.96	30	1%	PR-1.96	\$3.00
50	20	3%	PR-50	\$1.75
100	20	1%	PR-100	\$1.75
1370	50	1%	PR-1370	\$3.75

All the resistors below are 3 / \$1.50

Ohms	Watts	Tol.	Part#	Price
1.5	3.0	5%	PR-1.5	
5	0.33	1%	PR-5	
90	0.50	1%	PR-90	
600	0.25	1%	PR-600	
58K	0.50	1%	PR-58K	
1.04M	0.33	1%	PR-1.04M	

Ohms	Watts	Tol.	Part#	Price
0.33	3	1%	PR-0.33	2/\$1.50
3000	2	1%	PR-3000	2/\$1.50
902K	2	1%	PR-902K	3/\$3.50

Slide Resistors

with variable slide adjust:

Ohms	Watts	Part#	Price
4	25 W + 4 fixed	SR-4	3/\$2.75
15	50	SR-15	\$1.75
16	225	SR-16	\$8.50
20	25	SR-20	\$1.25
50	50	SR-50	\$1.95
100	50	SR-10050	\$1.95
250	160	SR-250	\$3.25
500	160	SR-500	\$3.25

Rheostats

First set of numbers after RHEO-prefix is wattage; your choice of ohms is second set. SCD= screwdriver adjust type. Style varies; USED or UNUSED:

#RHEO-25W-(ohms), \$3.25 ea
2, 6-scd, 7, 60, 150, 200, 350-SCD, 400, 450, 500,
#RHEO-D25W-250, Dual 250 ohm, \$4.75
#RHEO-D25W-500, Dual 500 ohm, \$4.75

#RHEO-50W-(ohms), \$4.25 ea
0.5, 2, 4, 5, 8, 12, 15, 18, 22, 200, 225, 300, 350, 375,

#RHEO-D50W-5, Dual 5 ohm, \$6.00
#RHEO-D50W-16, Dual 16 ohm, \$6.00
#RHEO-D50W-20, Dual 20 ohm, \$6.00
#RHEO-D50W-30, Dual 30 ohm, \$6.00
#RHEO-D50W-35, Dual 35 ohm, \$6.00

#RHEO-150W-2, 2 ohm, \$5.50

#RHEO-225W-3, 3 ohm, \$6.25

#RHEO-300W-50, 50 ohm, 3 lbs. \$12

NTE Resistors

1/2 Watt to 2 Watt Metal Resistors

1/2 WATT		1 WATT		2 WATT	
Ohms	Part #	Ohms	Part #	Ohms	Part #
6 for \$1.00		5 for \$1.00		5 for \$1.00	
1	HW1D0	1	1W1D0	1	2W1D0
10	HW010	10	1W010	10	2W010
47	HW047	100	1W110	18	2W018
100	HW110	180	1W118	47	2W047
120	HW112	300	1W130	100	2W110
220	HW122	510	1W151	1K	2W210
470	HW147	1K	1W210	2.2K	2W222
1K	HW210	3.3K	1W233	3.9K	2W239
2.2K	HW222	10K	1W310	10K	2W310
4.7K	HW247	10K	1W310	12K	2W312
10K	HW310	470K	1W447	100K	2W410
47K	HW347				
100K	HW410				
240K	HW424				
1M	HW510				

POWER WIREWOUND

5 WATT		10 WATT		25 WATT	
Ohms	Part #	Ohms	Part #	Ohms	Part #
3 for \$1.09		up to 1K ohm		2 for \$1.59	
0.1	5WD10	3 for \$1.15		1.0	25W100
0.22	5WD22	10	10W1D0	2.0	25W2D0
0.33	5WD33	2.0	10W2D0	2.0	25W2D0
0.47	5WD47	2.7	10W2D2	2.7	25W2D7
1.0	5W1D0	3.3	10W3D3	3.9	25W3D9
2.2	5W2D2	3.9	10W3D9	5.1	25W5D1
3.3	5W3D3	5.1	10W5D1	6.8	25W6D8
4.7	5W4D7	6.8	10W6D8	8.2	25W8D2
5	5W5D0	8.2	10W8D2	10	25W1010
7.5	5W7D5	10	10W1010	15	25W015
10	5W010	15	10W015	22	10W022
22	5W022	22	10W022	27	10W027
39	5W039	27	10W027	47	10W047
47	5W047	47	10W047	100	10W110
100	5W110	100	10W110	150	10W115
330	5W133	150	10W115	1K	10W210
1K	5W210	1K	10W210		
4.7K	5W247	10 Watt			
6.8K	5W268	over 1K ohm			
10K	5W310	2 for \$1.19			
		Ohms	Part #		
		2.2K	10W222		
		2.5K	10W225		
		4.7K	10W247		
		10K	10W310		
		18K	10W318		

Misc Resistors

Ohms	Watts	Part#	Price
1	50	RS-1	\$1.50
1.5	3	RS-1.5	5/\$1.50
10	31 Dale	RS-10	2/\$1.50
15	95 Dale	RS-15	\$1.75
22	53 Dale	RS-22	3/\$3.50
35	200	RS-35	\$4.00
160	20	RS-160	5/\$3.00
200	113	RS-113	\$2.25
200	100	RS-200	\$2.00
2000	43	RS-2000	3/\$3.00
2000	210	RS-210	\$4.00
3000	68	RS-3000	\$1.50
7100	145	RS-7100	\$3.00
40M	2.5"L x .6"D	RS-40M	\$7.00
80M	6.5"L x .6"D	RS-80M	\$9.50

Cableform Products 30 Megohm resistor. CJC, 30Kv, Ferrule connections. 30 watts, size 10.5 x 1 1/8 #Cableform-30M \$29.00

DALE 70 WATT 5% 6- RESISTOR BANK, two ea 4 & 7 ohm. one ea 6 & 8 ohm; 6"L x 3" H. #R6X70W, \$5.25

Cases & Enclosures



Ideal enclosures for your next project! All items below are black aluminum chassis with dark grey front panels. The top and bottom of each of the units are heatsinked with 1/10" fins. The overall dimension of each unit is 9 5/8" deep x 5" tall. All enclosures have multiple 1/4" diameter holes on the front plate. They differ according to width. Used excellent.

1 15/16" Wide, 3 lbs sh, #ENC-4-2, \$11
4 1/8" Wide, 4 lbs sh, #ENC-10-4, \$13.50

Cast aluminum boxes for those RF and other projects where an inexpensive sturdy box is needed. Boxes have various late 1970's transistors and components and circuit boards. Used.

Cast aluminum box. 7.5 x 2.625 x 7.5 has sheet aluminum side panels and male DB9 connector. 2 lbs sh. #BOX68429, \$7.00

Similar to above but has 5 internal compartments separated by cast walls. Four sections each 13/16 x 4 1/8 x 1 1/16 and one section 2 13/16 x 2 3/16 x 1 5/16. 2 lbs. #BOX295C, \$9

Medium cast box 6 1/2 x 4 1/4 x 1 1/2 with provision for mounting circuit board at approx 3/4 inch depth. Two sheet aluminum covers. 3 lbs sh. #BOX641, \$12.00

INSTRUMENT CABINET for HP-test set; adapt to other uses. 7.6"H x 19"Wx9"D + 4"D cover less 1" overlap; three 6"Hx5"W compartments; w/fastners & strap; 17 lbs sh. #CS-HP3550, used, \$37.00

Steel Ammo Box, Ideal for your tools. Inner Dimensions are 3.4 x 10 x 6.5. Hasp fastener on one side and hinged on the other. With rust. Carrying handle. 6 lbs sh. #ENC-AMMO, Used, \$7.00; 6 for \$26.00

Low profile cast aluminum enclosure. Removable top. Has some small holes. 5.8x2.5x1.6, 2 lbs sh. #LP-1 used, \$8.50

15 Degree Slope Enclosure. The base is 18 ga. steel for extra strength. Easy to machine - aluminum top panels are 0.064" thick aluminum. Back is also aluminum. Sides pre-assembled with a two tone grey powder paint finish (base is dark satin gray, slope top is smooth light grey). Comes with four self adhesive rubber feet and required hardware. Hammond Mfg. New, 4.5" W x 6" D x 2.1" Rear Ht x 1.1" Front Ht, 3 lbs sh. #515-0910, \$20.24
7.4" W x 6" D x 3.8" Rear Ht x 2.8" Front Ht, 5 lbs sh. #515-0940, \$23.87
11.7" W x 7.7" D x 2.1" Rear Ht x 1.2" Front Ht, 5 lbs sh. #515-0950, \$29.16

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Enclosures



ALUMINUM SEALED DIE-CAST ENCLOSURE. These enclosures provide effective EMI- and RFI-shielding. The mounting holes and the screws for the lid are outside the sealed area, which prevents moisture and dust from entering the enclosure. New.

2.5" x 2.3" x 1.4", #G104, \$9.20
4.5" x 2.6" x 1.2", #G106, \$12.00
6.7" x 4.8" x 2.2", #G1201, \$29.95
8.7" x 5.7" x 2.2", #G124, \$34.99

Molded Plastic in high-impact ABS, fire-retardant - dark gray. These cases in molded plastic have a two-piece design with a tongue and groove joint between the top and bottom half. Non-scratch surface with a high-quality finish. Guide slots are provided for vertical PCB mounting and slots make horizontal PCB mounting possible. New.



This plastic utility box is molded in impact-resistant ABS and has card guides spaced at intervals of 7.9" to allow flexibility in the spacing of the components or the creation of compartments. Guides will accept cards with a max. thickness of 0.06". New.

These enclosures consist of high-impact ABS (operating temperature: -4°F to +212°F). The lid and the base equipped with a tongue and groove sealing system with a neoprene gasket. The mounting holes and the attaching screws are outside the seals, which prevents moisture and dust from entering the enclosure. Internal guide slots allow the vertical mounting of PCB assemblies. The guides on the internal base allow the horizontal mounting of PCBs. New.



2.5" x 2.3" x 1.4", #G302, \$5.20
4.5" x 2.6" x 1.6", #G304, \$8.60
6.7" x 4.8" x 2.2", #G313, \$13.80
10.4" x 7.3" x 4.0", #G378, \$29.98



Aluminum Enclosure by Motorola with 13.5" W x 5.1" H front panel. Ventilation holes on bottom. Adjustable handle. Less back cover. Overall 10.3" D x 16.3" W x 6" H, 10 lbs sh. Excellent Condition, #TDMA-1000, \$51.50

Equipment Glides

Military quality for rack mounting; 2" W x 16.5" L; chassis slides have 19" travel. Load rating approximately 100 lbs; 6 lbs sh. #GL-1621, used, \$18.00 per pair

Window Enclosure



Weather Resistant Enclosure with Window. Great for your outdoor control / monitoring of solar cells, antenna controls, control center for your garden watering system. Cover is hinged & gasketed for weather resistance. O.D.

15.5" x 13.4" x 6.5"; I.D. 13.9 x 11.9 x 5.9; Window 9.4 x 6. The window allows you to monitor your circuit if you put readouts behind the window. Made of fiberglass reinforced polyester, Non-metallic. Color - machine gray. Long piano hinge, looks like stainless steel. Stahl Industrial. 10 lbs sh. #23541412, Unused in box, \$57.50

Aluminum Housing from C-10327 Control. Great for outdoor solar or antenna control projects. Has two compartments. Inner dimension of each compartment is 10"W x 6.1"H x 6.2"D and 2.7"W x 5.3"H x 5.5"D. Overall 17.5"W x 8.2"H x 9.1"D. Comes with original front plate for each compartment. 18 lbs sh. #ENC-10327, \$25



Aluminum Bud Box Enclosure. 5 1/4" L x 3" W x 2 1/8" H, Unused, #CU-2106, \$6.00

Aluminum Bud Box Enclosure. 4" L x 2.75" W x 2" H, Unused, #CU-3015, \$4.95

Plastic Enclosure with aluminum base plate from Mouser. 5 1/8" L x 3 1/8" W x 1 5/8" H, Unused, #ENC-518, \$4.50

Plastic Bud Box Enclosure. 3 5/8" L x 2 1/4" W x 1 1/2" H, Unused, #PT-11308, \$3.95

Clear Plastic Enclosure. Base fits octal tube socket. Inner dimension of case 2.8x1.5x1.5. 1 lb sh. #ENC-OCT, \$2.50

Crystals

JK02 Ovens for CR-26 xtal. 6 - 24 VAC / DC; plug into octal socket. Less xtals; Used, #251B1001 for one xtal, \$3.25 #251B1003 for two xtal, \$3.75

Baker's Dozen Crystal Socket Assembly, 13 ceramic crystal sockets CR-23 style mounted on an aluminum strip. 9" L x 1.2" W x 0.9" H, 2 lbs sh. #CR-23-13, \$8.75

200KHz Crystal CR-2 case. Dimensions w/ pins 1 1/2" x 1 1/16" x 7/16". #CR-2, \$8.50

200KHz Crystal CR-2D case. Dimensions with pins 1 1/16" x 11/16" x 1/4". #CR-2D, \$7.95

Insulators

INSULATOR POST for mounting capacitors, coils, etc. 1.7"Hx3/8" sq porcelain; 1/8" di thru-hole near top; base threaded for chassis screw. #IP-1706, \$1.50

2"Hx1" square; two 6/32 threads top and bottom. #NL523W14, \$3.00
MP-48A INSULATOR for WW-2 vehicular spring antenna base; 3.6"Lx2.6" dia, 4 lb. #INS-48A, \$21

COLLAR for MP-48A, fits bottom of base, #COLL-48A, \$3.50
PORCELAIN STAND-OFFS, no bases but screw threaded: #P-4H-75D 4"Hx 0.75" dia; 8-24 threader. \$1.50 ea; 2 / \$2.75 #P-7H-100D 6.8"Hx 1" dia; 10-24 threader. \$2.50 ea;

Large porcelain thru panel insulator. 9/16" diameter center hole. Has 6 threaded mounting holes on outer lip. Overall size is 5 1/4"Dia x 2 3/4"H. No hardware. #INS-6, Used, \$14

Stand-off insulators crows feet type. Brass plated bases and terminals: D=Diameter H=Height M=Mount base holes' center distance ST=Screw terminals CT=Clamp terminals

#B-H3-D1.25-ST3, brown ceramic; M=2.25". Term. cap: 7/8x1 5/8" dia; 2 lbs. \$3.75
#W-H5-D1.25-ST, white; M=2.625". Term cap; 3/8x 1 1/4" dia. 3 lb \$4.95
#B-H5-D1.25-CT, white; M= 2.25". Term cap: 1x1 5/8" dia. 3 lb \$5.25
#B-H7-D1.25-ST, brown, M=2.6", Term cap 1x1 3/4" dia; 3 lbs. \$6.50

Quantity Discounts on above!
10-25 ea (1-type) 20% off;
25% (26-99), 30% (100)

Strain Insulators

Brown porcelain insulator 8.5"Lx1.8"H x 1"D with reinforced 0.5" dia hole on ends; 3lbs. #SPI-85181, \$2.75; 2/\$4.25

Brown Egg-Type Porcelain Strain Insulator, 1.3"L x1"x1" with two 1/4" di holes. Unused, #INS-EGG, \$2.50

Coil Forms

Small Ceramic Coil Form consists of 35 grooves in a 1.7" space. o/a 3.1"Hx1.1" dia. #CF-5, \$3.50

Small Ceramic Coil Form consists of 10 grooves in a 0.5" space. o/a 1.7"Hx1" dia #CF-1, \$3.00

3 pin Plastic Coil Form which fits BC-611. o/a 0.9" dia. x 1.9"H, #CF-3, 2/\$1.50

Coil Form Assortment has: porcelain inductor core 1 7/8" tall 1 1/8" base has 4 mounting holes. The winding core has 41 grooves for wire 10 holes on flat edge. 3 small porcelain cores with 3 wire grooves. The base has a 6/32 threaded hole. #IND-K1, \$4.00

Inductors & Coils



ROLLER INDUCTOR ASSEMBLY with 115 VAC 400 Hz motor drive, 3.4" lg x 1.75 dia coil; 28 turns #18 wire approx 14 uH with center tap. Designed to resonate antenna to a transceiver's frequency. 4.5x2.8x3.8, 5 lb used #T301/CU-991, \$10.00

ANTENNA LOAD ASSEMBLY from AM-3349/GRC-106, includes C26 1000pf at 5KV vacuum variable capacitor, C27 15-355pf air capacitor, 26 1000pf feed-thru caps, L1 0.5 to 40UH variable inductor, L2 37UH fixed inductor, S1 2-deck 5-position ceramic switch and two Globe or = 24 VDC motors. 5.5 x 9.5 x 5.5, 10 lbs shipping. #3349-02, Used, \$325.00

L5 ROLLER INDUCTOR, 26 turns #18 silvered wire 2"Lx1.1" dia coil; 8.4 uH max. 115 V 400 Hz motor drive like above; runs on 26V 60 hz. Adaptable to direct drive. O/a 6x3x4.75, 3 lb #L5/ARC-58, \$18.00

ROLLER INDUCTOR KITS includes 4.4"L x 1.5" dia ceramic coil with 40 turns #14 silvered-wire, roller wheel, guide shaft & springs. 3/8" dia shafts have removable pinned gear. End support plates not supplied; 3lbs sh. #L22-PRC-47, 22 uH, \$18.00 #L35-PRC47, 35 uH w/ part slug core \$20 #L40-PRC47, 40 uH w/ full slug core \$20

RF MASTER OSC COILS: pull out of T-22 / ARC-5 7-9 MHz xmitter; #T53/6032, \$5.50

Ceramic 2" Hx1.6" diameter base. #L101/ART13, \$5.50

FERRITE CORE INDUCTOR PC mount; 7/8x 3/4" dia. #NV243, 123-177 mH, \$2.50

Small Inductor, 1.5 mH, 1 ADC, 5V, 12KHZ, .5 ohm DCR, PC mount. #80063, \$2.65; 3 / \$7.

#C-447 coil for BC-610 xmitter 4.5"L x 4.5" dia; 3 lbs sh. Unused, \$17.

400UH RF choke axial lead, #L-RF400, \$1.55; 5 for \$6.50

TELEPHONE PICK UP COIL p/o modem coupler; no info. 5/8x1.8" dia. #403-4, \$1.50

Inductors

The PI Wound Inductors listed below are enamel coated. The 2nd number in the part number designates the number of sections.

Part #	L x Dia	uHy	I - ma	Price	10 pcs
P3FE-1200	.90-.32	1200	50	\$5.00	\$30
P3PE-500	.50-.30	500	50	\$5.00	\$30
P2PE-675	.75-.45	675	200	\$5.00	\$30
P3FS-5800	.90-.50	5800	200	\$3.00	\$15
P3FE-12000	1.00-.42	12000	200	\$5.00	\$30

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Inductors

First letter in part number is the Style: M - Multilayer; S - Single layer; P - Pl wound / number of sections;

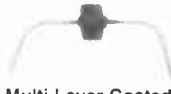
Second letter in part number is the Material: P - Phenolic; F - Ferrite;

Third letter in part number is the Coating: C - Coated; S - Shrink covering; E - Enamel wire;

Example: A part number that starts out "MPE" would represent a Multilayer style, a Phenolic form, and a Enamel coating.



Multi Layer Enamel



Multi Layer Coated



Single Layer Enamel



Single Layer Shrink



Wideband



Torroid

MULTI LAYER ENAMEL							
Part #	L x Dia	uHy	I - ma	Price	5 pcs	10 pcs	100 pcs
MPE-55	.40x.25	55	125	\$2.00	\$6.00	\$10.00	\$60.00
MPE-65	.30x.20	65	125	\$2.00	\$6.00	\$10.00	\$60.00
MPE-70	.30x.20	70	125	\$2.00	\$6.00	\$10.00	\$60.00
MFE-75	.30x.12	75	125	\$2.00	\$6.00	\$10.00	\$60.00
MPE-85	.30x.20	85	125	\$2.00	\$6.00	\$10.00	\$60.00
MPE-100	1.40x.40	100	2000	\$2.00	\$8.00	\$14.00	\$100.00
MPE-107	.30x.20	107	50	\$2.00	\$6.00	\$10.00	\$60.00
MFE-110	.30x.15	110	50	\$2.00	\$6.00	\$10.00	\$60.00
MFE-122	.38x.25	122	125	\$2.00	\$6.00	\$10.00	\$60.00
MPE-135	.40x.55	135	300	\$2.00	\$8.00	\$14.00	\$80.00
MFE-135	.30x.18	135	50	\$2.00	\$6.00	\$10.00	\$60.00
MPE-138	.30x.20	138	125	\$2.00	\$6.00	\$10.00	\$60.00
MFE-150	.30x.18	150	50	\$2.00	\$6.00	\$10.00	\$60.00
MFE-178	.30x.22	178	125	\$2.00	\$6.00	\$10.00	\$60.00
MFE-200	.30x.20	200	125	\$2.00	\$6.00	\$10.00	\$60.00
MPE-218	.30x.22	218	125	\$2.00	\$6.00	\$10.00	\$60.00
MFE-100-30-260	1.00x.30	260	500	\$2.00	\$8.00	\$14.00	\$100.00
MFE-30-25-260	.30x.25	260	50	\$2.00	\$6.00	\$10.00	\$60.00
MPE-266	.30x.30	266	50	\$2.00	\$6.00	\$10.00	\$60.00
MFE-300	.30x.25	300	50	\$2.00	\$6.00	\$10.00	\$60.00
MPE-340	.30x.30	340	100	\$2.00	\$6.00	\$10.00	\$60.00
MFE-360	.30x.20	360	100	\$2.00	\$6.00	\$10.00	\$60.00
MPE-362	.30x.27	362	100	\$2.00	\$6.00	\$10.00	\$60.00
MFE-375	.30x.25	375	100	\$2.00	\$6.00	\$10.00	\$60.00
MPE-390	.30x.30	390	100	\$2.00	\$6.00	\$10.00	\$60.00
MFE-400	.75-.35	400	500	\$3.00	\$10.00	\$15.00	\$100.00
MFE-435	.30x.25	435	50	\$2.00	\$6.00	\$10.00	\$60.00
MPE-550	.30x.30	550	50	\$2.00	\$6.00	\$10.00	\$60.00
MFE-680	.30x.30	680	50	\$2.00	\$6.00	\$10.00	\$60.00
MPE-685	.30x.40	685	50	\$2.00	\$6.00	\$10.00	\$60.00
MFE-100-40-715	1.00x.40	715	500	\$2.00	\$8.00	\$14.00	\$100.00
MFE-30-12-715	.30x.12	715	30	\$2.00	\$6.00	\$10.00	\$60.00
MPE-785	.30x.32	785	50	\$2.00	\$6.00	\$10.00	\$60.00
MPE-820	.30x.40	820	50	\$2.00	\$6.00	\$10.00	\$60.00
MPE-1000	.30x.40	1000	50	\$2.00	\$6.00	\$10.00	\$60.00
MFE-1160	.40x.30	1160	50	\$2.00	\$6.00	\$10.00	\$60.00
MFE-3000	.30x.20	3000	30	\$2.00	\$6.00	\$10.00	\$60.00
MFE-4300	.40x.20	4300	50	\$2.00	\$6.00	\$10.00	\$60.00
MFE-6250	.30x.42	6250	75	\$2.00	\$6.00	\$10.00	\$60.00
MFE-7950	.40x.30	7950	30	\$2.00	\$6.00	\$10.00	\$60.00
MPE-11500	.50x.40	11500	30	\$2.00	\$6.00	\$10.00	\$60.00

MULTI LAYER COATING							
Part #	L x Dia	uHy	I - ma	Price	5 pcs	10 pcs	100 pcs
MPC-90	.30-.28	90	30	\$2.00	\$5.00	\$7.50	\$50.00
MFC-95	.25-.12	95	30	\$2.00	\$5.00	\$7.50	\$50.00
MPC110	.30-.25	110	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-135	.30-.19	135	30	\$2.00	\$5.00	\$7.50	\$50.00
MPC-145	.30-.22	145	30	\$2.00	\$5.00	\$7.50	\$50.00
MFC-155	.30-.19	155	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-25-30-180	.25-.30	180	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-30-30-180	.30-.30	180	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-195	.30-.18	195	30	\$2.00	\$5.00	\$7.50	\$50.00
MPC-200	.30-.25	200	75	\$2.00	\$5.00	\$7.50	\$50.00
MFC-205	.30-.20	205	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-225	.30-.30	225	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-260	.30-.25	260	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-265	.30-.30	265	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-266	.30-.30	266	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-30-30-300	.30-.30	300	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-30-22-300	.30-.22	300	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-325	.30-.30	325	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-355	.30-.22	355	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-425	.50-.40	425	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-510	.30-.30	510	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-590	.30-.28	590	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-625	.30-.35	625	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-835	.30-.40	835	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-1200	.35-.32	1200	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-38-32-1400	.38-.32	1400	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-32-32-1400	.32-.32	1400	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-1530	.35-.32	1530	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-1650	.40-.35	1650	50	\$2.00	\$5.00	\$7.50	\$50.00
MPC-1660	.35-.30	1660	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-7900	.40-.28	7900	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-8450	.40-.48	8450	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-10300	.50-.40	10300	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-16900	.50-.40	16900	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-21000	.65-.41	21000	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-23000	.50-.50	23000	50	\$2.00	\$5.00	\$7.50	\$50.00
MFC-26000	.65-.45	26000	50	\$2.00	\$5.00	\$7.50	\$50.00

MULTI LAYER SHRINK							
Part #	L x Dia	uHy	I - ma	Price	5 pcs	10 pcs	100 pcs
MFS-59	.70-.40	59	300	\$3.00	\$10.00	\$15.00	\$100.00
MFS-100	1.00-.40	100	800	\$3.00	\$10.00	\$15.00	\$100.00
MFS-110	1.25-.45	110	1200	\$3.00	\$10.00	\$15.00	\$100.00
MFS-115	1.50-.60	115	2000	\$3.00	\$10.00	\$15.00	\$100.00
MFS-170	.75-.40	170	800	\$3.00	\$10.00	\$15.00	\$100.00
MFS-182	.75-.50	180	125	\$3.00	\$10.00	\$15.00	\$100.00
MFS-520	.75-.40	520	300	\$3.00	\$10.00	\$15.00	\$100.00
MFS-750	.50-.22	750	200	\$3.00	\$10.00	\$15.00	\$100.00
MFS-1110	.75-.40	1110	300	\$3.00	\$10.00	\$15.00	\$100.00
MFS-1125	1.20-.30	1125	200	\$3.00	\$10.00	\$15.00	\$100.00
MFS-4300	.78-.70	4300	200	\$3.00	\$10.00	\$15.00	\$100.00
MFS-13000	.75-.50	13000	125	\$3.00	\$10.00	\$15.00	\$100.00
MFS-17500	.75-.50	17500	125	\$3.00	\$10.00	\$15.00	\$100.00
MFS-39200	.75-.45	39200	125	\$3.00	\$10.00	\$15.00	\$100.00

SINGLE LAYER ENAMEL								
Part #	L x Dia	uHy	I - ma	Price	5 pcs	10 pcs	100 pcs	
SFE-4	.65x.22	4	2000	\$2.00	\$8.00	\$14.00	\$100.00	
SPE-4.5	.62x.20	4.5	800	\$2.00	\$5.00	\$7.50	\$50.00	
SFE-33-10-5.5	.33x.10	5.5	200	\$2.00	\$5.00	\$7.50	\$50.00	
SFE-20-23-5.5	.23x.10	5.5	200	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-30-14-5.5	.30x.14	5.5	200	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-50-17-5.5	.50x.17	5.5	300	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-62-20-5.5	.62x.20	5.5	300	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-30-10-6	.30x.10	6	200	\$2.00	\$5.00	\$7.50	\$50.00	
SFE-75-22-6	.75x.22	6	800	\$2.00	\$5.00	\$7.50	\$50.00	
SFE-78-30-6	.78x.30	6	500	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-25-10-6.5	.25x.10	6.5	200	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-30-15-6.5	.30x.15	6.5	200	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-62-18-6.5	.62x.18	6.5	300	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-25-12-7.5	.25x.12	7.5	200	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-75-20-7.5	.75x.20	7.5	300	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-10	.35x.11	10	200	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-42-10-11	.42x.10	11	200	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-50-13-11	.50x.13	11	200	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-11.5	.35x.15	11.5	200	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-41-12-12.5	.41x.12	12.5	200	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-30-10-12.5	.30x.10	12.5	30	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-18	.57x.20	18	200	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-50-17-23	.50x.17	23	80	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-75-19-23	.75x.19	23	200	\$2.00	\$5.00	\$7.50	\$50.00	
SFE-25	.75x.21	25	200	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-27	.30x.10	27	30	\$2.00	\$5.00	\$7.50	\$50.00	
SFE-34	1.00x.29	34	800	\$2.00	\$5.00	\$7.50	\$50.00	
SFE-36	.88x.22	36	300	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-39	.75x.21	39	300	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-44	.75x.21	44	300	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-45	.50x.13	45	80	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-58	.50x.13	58	80	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-75	.50x.15	75	30	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-77	.50x.15	77	30	\$2.00	\$5.00	\$7.50	\$50.00	
SFE-78	.75-.40	78	800	\$3.00	\$10.00	\$15.00	\$100.00	
SPE-80	.75x.20	80	150	\$2.00	\$5.00	\$7.50	\$50.00	
SFE-95	.85x.25	95	200	\$2.00	\$5.00	\$7.50	\$50.00	
SFE-97	.50x.18	97	50	\$2.00	\$5.00	\$7.50	\$50.00	
SFE-116	.73x.38	116	800	\$2.00	\$6.00	\$10.00	\$100.00	
SPE-148	.40x.15	148	30	\$2.00	\$5.00	\$7.50	\$50.00	
SPE-170	.50x.13	170	125	\$2.00	\$6.00	\$10.00	\$100.00	
SPE-185	1.25x.35	185	200	\$2.00	\$5.00	\$7.50	\$50.00	
SFE-188	.42x.11	188	30	\$2.00	\$5.00	\$7.50</		

Standard Relays

OPEN FRAME RELAYS
with heavy 10 amp silver contacts; mi-calex insulated. 1.8x2.4x1.8, 1 lb sh. USED-CLEAN:

DPST NO, coil 115 VAC 60 Hz 400 ohms, #22-4383, \$19.00

DPDT, coil 6.3vac1 ohm, #22-4384, \$21

SPDT 9.6-15.8 VDC relay 206 ohm coil; used in GE mobile transceivers. For solder or socket connections. 1x1x3/4. #3SBW1001A2, Unused, \$2.00 each. 24/\$35.00

DPDT P&B PLATE RELAY; sealed metal can, requires octal socket. 2.5x1.5x1.4, #KR-4175-1, Unused, \$3.00

OMRON 3PDT RELAY, 24 V DC 650 ohm coil; 2 A contacts. 11-pin plug-in/solder lugs. 1x1.5x0.8; #OM-MY3, \$4

P&B 3PST 120 VAC coil, 10 amp 1/4 HP contacts; clear cover. #KU-4666, \$4.75

DUAL DC COIL each 3PST; one 24 V, other 48 V. PC-mt. 2.8x1.5x1.3; #116-2601, \$3.50

115 VAC 60 Hz COIL 25 amp @ 28 VDC/ 115 VAC contacts; solder terminals. 1.8x 3x1.8; #26S20/2054, Used, \$5.50

Open frame relay 24VDC 230 ohm coil. 3PST N.O. 10 amps 120VAC / 5 amps 240VAC. SPST N.O. 1 amp 24VDC #DOUX-2055, \$5.50

4PDT 48VDC 3700 ohm coil; 1x1.5x1.7, #MHX4069, \$2.50

DOLLAR DAZE RELAY KIT, five mixed relays various voltages AC/DC. #DD-56-98, \$3.00

SENSITIVE RELAY SPDT 6 to 12 VDC 1500 ohms, contact adjust. 2.8x2.2 x2.3, 1 lb sh. #RM39/1901, used \$2.50

Sealed SENSITIVE RELAY, 50 ohms 28 ma coil; DPDT contacts. Solder hooks; 1x1x2 1/4. #R400-2B-50, \$4.50

ULTRA-SENSITIVE P&B 6 VDC DPDT RELAY, coil 500 ohm res. < 40 mv nom. power. Contacts rated 2 amp @ 28 VDC/120VAC; solder or socket mount. #R10-E1Y2SS500, Unused, \$5.00

LEDEX 28 VDC SOLENOID, 8-position 45 deg stroke. Start torque: 5 lb-in 35 W (15 lb-in holding) cont. duty; 32 lb-in 700 W 1/20 duty. 7S-size 2.8" dia x1.9" W; 1/2x3/8" dia shaft. 4 lbs. #S-8210-025, Unused, \$6.65

K-601 Break-in Relay for R-390A. #K-601, \$10.00

ITT General Controls Sub-miniature Direct Acting Solenoid Valve. Coil 24 VDC, 10 PSI, 1/8 in port. For use with air, gas, water, hydraulic fluids, light fuel oils. Looks like 5/16 fitting. 2" long x 1" diameter. 1 lb sh. #S32121012, Unused, \$14.00

--- RELAY SOCKETS ---

10-BLADE Relay Socket for track mount of above; pressure screw terminals; 2.8x1.4x2., Weidmuller mfg. 1 lb. #SKT-10, Unused, \$3.50

--- REED RELAYS ---

4-REED RELAY CIRCUIT BOARD, 3 / 500 ohm & one 5K ohm 10-15 VDC relays; also a 26 VDC DPDT sealed relay. #792-312, \$4.00

ELECTROL 5 VDC REED RELAY, low current SPST norm-open contacts; 0.7"x2.5"x0.6". #R4376-2, NEW, \$3.25

--- SOLID STATE RELAYS ---

90 Second Solid State Time Delay Relay by SSAC, 24VAC 0.5A, #TAC42190, Unused, \$14

Solid State Relay by Gordos. 3-32VDC input, 240VAC at 10 amps. 2.2x1.8 x1, #G280D10V, Used, \$12.00

Contactors

CONTACTOR RELAY, 12 VDC coil & 12 V SPST norm-open contacts; 20 amps. Mfg by Massy Ferguson. 2x1.8x1.1; 1lb #81-2450-1, \$3.50.; 10/\$23

SIEMANS CONTACTORS, 80 VDC coils, 2 lbs. NEW: 2 NO+2NC; contacts 230/600 V 3/1 amps. Aux contact 10A 240 VAC; 2.8x1.8x1.8. #3TH12022 \$9.00

8PST CONTACTOR, rated 660 VAC 6 amps; coil 80 VDC. 3x4.5x1.8, 2#. Schindler #MRG-44E, New, \$19.00

Deltrol Contactor / Relay is a 12 volt coil with spst contacts rated at 30 Amp or 1 HP @120V. 1701X7519, Unused, \$3.50

Transco SPDT RF relay 82152-11300-75, 28 VDC coil. Connectors are similar to type

N, but are 75 ohm. The connectors will not mate with type N. Two operation coils, one is marked "energize to close" and the other is marked "energize to open". 1 lb sh. #11300-75, Used excellent, \$99

Vacuum Relays

SPDT 335 ohm; 3.6 KV pk 18 A AC/DC. Max-open/release:6 ms. 1.3"Hx0.8" dia, used less hardware, #HC-1/S122, \$67.00

Vacuum Contactors

JENNINGS SPST VACUUM CONTACTOR for 3-1/8" (78 mm) dia hardline coaxial hook-up; rated 25 KW @ 30 MHz; 20 KV peak test; actuator 19-29 VDC. 4x8x3.8, 7 lbs. #RC10A5225A24, Unused, \$140

JENNINGS SPDT RF CONTACTOR for high power transmit and process equipment. 26.5 VDC actuator switch rated 300 amps @ 2.5 KV peak; pk test 10 KV 60 Hz. Sealed enclosure w/ mount flange; connector not available. 5x 5.3 x9.5, 22 lbs sh. #RF20BLDE8121-I, \$200.00

Attenuators

ELCOM ATTENUATOR, 10DB w/ SMA conn; Ag-plated, 1.5x0.5" dia. #AT-53-10, \$14

VARIABLE 6-STEP ATTENUATOR, ladder network in 10:1 ratio. Attenuates 0.1 V down to 0.1 uv; 50 ohm impedance. BNC input & output connection; shaft 3/4"Lx 1/4" dia with gear drive. Silver-plated; p/o 0.01 to 50 MHz RF generator. 3.5x4.8x3.5, 4 lb #AT101/URM25, Used, \$26.00

75 ohm Alan Industries Fixed Attenuator, 3.0DB at 30MHz and 3.3DB at 1GHz. Has a BNC male on one end and a BNC female on the other. #75SP3, \$16.50

ROTARY TURRET 50 OHM COAXIAL ATTENUATORS from Empire NF-105 field intensity meter; to operate pull knob and rotate to next index. Mechanism is spring loaded to engage next attenuator element; 5"Lx3.4" dia, 5 lbs. 0-20-40-60-80 db with BNC female chassis connectors on 7.5" cables. #ATTNF105-0-80, Used, \$33.00

40-50-60-70-80-90 db; female BNC chassis & male N conn on 7.5" cable, #ATTNF105-40-90, \$27.00

One of each attenuator, #ATTNF-105-PR, \$53.00

600 ohm Attenuator by Mini-Circuits. DC to 500MHz. Male BNC on one end to a female BNC on the other. #CAT-600, \$5.00

Fixed Mini-Type Attenuator, 6 dB, Type "F" connector Female to Male, Impedance: 75 ohm, #33-795, Unused, \$3.00

Coaxial Devices

SPDT Microwave Switch designed for high performance in microwave systems to 12.4 GHz. Has three TNC connections. Requires 24-30VDC. 3x2.70.9, Jay-EI Products. #D2-313B008, used, \$53.00

Transco SPDT Coax Relay, 50 ohms, Frequency: DC - 18GHz, Power: 28 Volt DC, Three SMA females. #82152-810C30100, Good condition, \$44.00

RE-275 APDT Coax Relay, operates over 100-400 MHz, 24-28VDC coil. VSWR better than 1.1; cross-talk better than 60DB. Three BNC connections. 2.5x 3.2x1.7, 2 lbs sh. #RE-275, Used, \$35.00

6VDC SPDT Coax Relay by Danbury-Knudsen. For use with transmitter. Has two female BNC connections and one solder connection. #CR119, Unused, \$34.00

4000 ohm SPDT Coax Relay by Danbury-Knudsen. Has 3 female BNC connections. #CR37, Unused, \$35.00

Coaxial Transfer Relay, 4 BNC connectors which switch from AD BC to AB CD. Allows a preamp or some other device to be switched into a coaxial line or bypassed. 24VDC coil. #10CSA2/2-01, used, \$39.50

Miniature coaxial SPDT can relay for low level RF switching. Also has SPDT contacts. 26.5 vdc 675 ohms. HI-G d'Italia #RFK 6396, \$14

Same as above, but relay is in metal box with 6 very small coax connectors (SML ??) #RE-612-2, \$16.50

Broadband Coaxial Protector by Polyphaser, has male to female type N connections. Frequency coverage is 50MHz to 700MHz. Maximum Power: VHF 375W, UHF 125W. 1.8x2.5x1.5, #IS-50NX-C1, Used Excellent, \$35.00 ea.; 5/\$120.

Tap Switches

Miniature Tap Switch, 1 pole 7-position rated 1 amp 1x1/2". #MTS-7, \$3.00

6-POSITION CERAMIC RF TAP SWITCH for 100 W xmitter; 2.3x2.3x1.8, 1 lb. #3Z9605, \$5.20; 10 for \$43.

THREE DECK 7-POSITION TAP SWITCH w/ screw terminals; 10 amp shorting contacts. 1.8x2.3x1 + 1.3" x 0.3" dia shaft. #ES32303LM, \$5.25

PLACE YOUR ORDER OVER THE WEB AT FAIRRADIO.COM

Misc. Switches

MICROSWITCH KIT, five SPST VARIOUS style. #MSW-KIT, \$1.75

DPDT Two Position On-On Key Switch by Alco. Panel mount with 3/4" diameter thread. 1 lb sh. #AEL-01, Unused, \$11.00



ROCKER SWITCHES, 1.6"Wx0.6"Hx 1.3"D; mt flange 1.9"W #0319, SPST, 2 for \$1.25 #0320, SPDT momentary both sides, 2 for \$1.75

4PDT one side 2PDT other side, both sides mom. #1155, Unused, \$3.00

Toggle Switches



Some single hole mount, some with mount plates; CH = Cutler Hammer, Unused unless otherwise noted:

AIRCRAFT-type Toggle, two hole mt: SPDT 5A/125V, CH, Momentary on-off #B-21, \$1.50 DPDT 20A/125V, CH, #8710K3, \$4.00 DPDT 20A/125V, CH, Radium tip on-on momentary, #3023-10B, \$3.50 DPDT 20A/125V, CH, on-off-on, #8700K3, \$4.75

INDUSTRIAL-type TOGGLES: DPDT 10A/125V, CH, on-on momentary, #ST-52R, Used, \$1.25 DPDT 6A/125V AH&H, on-on; 1" mt barrel, 1/2" dia. white ball cap, #T-WB-87, \$3.00 DPDT 10A/125V, mfg CH, #ST-52N, \$3.00 3PDT 15A/125V, CH, #7614K2, \$3.50 DPDT 6A/125V, CH, Bat Handle, #TG-B-CH, \$2.75 3PDT 15A/125V, CH, #TG-3PDT-2, \$4.00 3PDT 15A/125V, A-H&H, on-off-on, #TG-AHH, \$5.25 DPDT 15A/125V, CH, Bat Handle, #TG-B-DPDT, \$3.50

Push Button

#67137-506, 13-button Push-on/Push-off; 8.8" W. \$10.00

KLIXON 15 AMP PUSH BUTTON w/2.3" W mount flange; fits 1.4"x0.8"x 1.4"D hole. #43A8304, unused, \$2.10

MICROSWITCH ALM-20 push-On/push-Off SPDT switch w/red 5V LED; 0.9" sq x 2"D. #ALM-20-5V, \$3.50

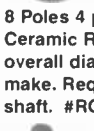
Code Switch BCD 0-9 bidirectional push switch. Manufactured by Alco/Augat Mico. Ten Sections (as pictured), #131-AL-2-10, \$35 One section, #131-AL-2, Unused, \$5.50; 10 for \$40.00



Rotary Switches



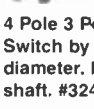
One Pole 10 position Rotary Switch. Phenolic. 1.3" overall diameter. 1/4" diameter shaft. #R16FDR, Unused, \$5.00



8 Poles 4 position 2 deck Ceramic Rotary Switch. 1.4" overall diameter. Short before make. Requires 1/4" diameter shaft. #ROT-842, \$5



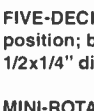
1 Pole 5 position Ceramic Rotary Switch. 1.2" overall diameter. Requires 1/4" dia shaft. #ROT-15, \$3.50



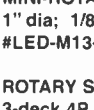
4 Pole 3 Position Phenolic Rotary Switch by Mallory. 1.3" overall diameter. Requires 1/4" diameter shaft. #3243J, Unused, \$3.50



DAVEN-TYPE 18-POSITION, continuous turn; 2" dia. Zinc-silver contacts. 1/2x1/4" diameter shaft. #3Z9825-92.2, \$4.



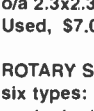
FIVE-DECK ROTARY, each 2-pole 4-position; bakelite. 4x1.6" dia.; shaft 1/2x1/4" dia #SW-RM39, Used, \$1.75



MINI-ROTARY, 1-pole 3-pos. shorting. 1" dia; 1/8" dia shaft. No hardware #LED-M13-S, unused, \$2.10



ROTARY SW, 1.6" dia bakelite 3-deck 4P 2-pos, #SW-342, \$3.00



TECH-LAB precision, 4 pole 7-position w/ gold-plated contacts; 2-poles 5 amp & two 3 A. Sht 1"Lx1/4" dia; o/a 2.3x2.3 x2.5, 1 lb. #TL-4P7PS, Used, \$7.00



ROTARY SWITCH KIT, six types: multideck and contacts, #RS-KIT, \$3.00

Mini Switches



Black= Blk. White= wh. NEW: SPDT on-off-on, wh. toggle (b); Alco #MLD106E, \$1.25

SPDT on-on, blk. rocker (c) JBT #MR2-123, \$1.25

SPST black rocker (not mini) Carling mfg. #123, \$1.25

SPDT mom push switch; C-NC-NO., C&K mfg. #8125, 2/\$1.75

DP3T one side mom. (f) toggle; Alco #CST-023TA, 2/\$1.75

DPDT on-on slide (h), #MINI-SL, 5/\$1.25

SUB-MINI SLIDE SWITCH, SP 3-pos: #SLS-131PC, 3/\$1.25

Mini-Toggles, 120 VAC 6 A: SPDT ON-ON, Used, #MINI-1, \$1.25 SPDT On-Off-On, Used, #MINI-2, \$1.25 DPDT On-Off-On, Unused, #MINI-3, \$1.75

Fuse & Fuseholders

Large Industrial Style Fuse by Gould - Shawmut Amp-trap Form 600, 175 amp 600 Volt AC-DC. 9.5"Lx1.5" dia. #600-175A, Used, \$7.00

GE Type EJO-1, Model 9F60FJD100, Size D, 12" clip spacing, 100E Amp, 4800 V, 15.9"L x 3" dia, 10 lbs sh. #EJO-1, Unused, \$26.00

Standard 3AG 6.35x32mm 250VAC Fast Acting Fuses. New. Part #6FF(Amps) The following are 5 / \$2.50; 10 / \$3.95 Amps: 0.1, and 0.25 The following are 5 / \$1.29; 10 / \$1.95 Amps: 0.5, 1, 2, 3.15, 4, 5, 6.3 Amps, #6FF6.3, 5 / \$1.50; 10 / \$2.50 8 Amps, #6FF8, 5 / \$1.80; 10 / \$2.99

Same as above except Slow Blow. New. Part #6FU(Amps). The following are 5 / \$2.50; 10 / \$4.00 Amps: 0.25, 0.5, 1, 2, 3.15, 4, 5, 6.3, 8, 12

5x20mm 250VAC Fast Acting Fuses. New. Part #FF(Amps).

The following are 5 / \$1.19; 10 / \$1.99. Amps: 0.5, 1, 1.6, 2, 2.5, 3, 4, and 5 The following are 5 / \$1.55; 10 / \$2.70 Amps: 0.1, and 0.2

100 piece Fuse Set 5x20mm 250VAC Fast Acting. Consists of 10 of each of the following amps: 0.1, 0.2, 0.5, 1, 1.6, 2, 2.5, 3, 4, and 5. #K/FF, \$17.90

R-390A Fuses, New,

0.1 amp (good replacement for 1/8 amp), #6FF0.1N, 5 / 2.50, 10 / \$3.95 0.25 amp, #6FF0.25N, 5 / 2.50, 10 / \$3.95 3.15 amp (good replacement for 1/8 amp), #6FF3.15N, 10 for \$1.95

LIGHT INDICATOR FUSEHOLDERS for 3AG fuses; 1.6"D behind panel. O/a 2.9"L; used: 115 V, clear, #FU-HKL, \$3.50

3AG size Fuse Holder by Little Fuse. 23-32V. #FHL-18G2-2, \$2.00

5AG / AGU In-line Fuseholder, #FH-5AG, Used, \$3.00

Bandpass Filters

TUNABLE TWIN-CAVITY BAND-PASS FILTERS, gold-plated cavities have tune knobs, dials, and rear N-connections. Designed for military TRC-24 radio system for specific frequency ranges; usable and/or adapt for civilian purposes. 7x2.5 x9.5, 8 lbs. Used, \$29.95 each.

#F-196, 184-205MHz #F-199, 224-254MHz #F-200, 254-284MHz #F-203, 344-374MHz

#F-197, 205-225 MHz, unused, \$39.95 #F-204, 374-404MHz, unused, \$27; 2 / \$40

Bandpass Filter 2.0 - 3.15 MHz. 3X0.75, #A-251-A, Unused, \$7

Suppressor



MX-10237 / MX-2096 Suppressor Electrical Transient for the VRC-12 Radio Set. This circuit protector consists of a standard size 4 pin GRC male connector with a threaded center, indicator light, 2 hole mount bracket, heatsink, and plate which is marked "Danger High Temp 215 degree F". FSN #5915-01-024-3877. It connects directly to either the transceiver or AUX receiver mount. In some applications it replaces the MX-7778 suppressor. No further data. 3 lbs sh. #MX-2096, Unused, \$20.00

MX-7777A SUPPRESSOR protects vehicle radios VRC-12, VRC-53/64 & GRC-106 from damage by voltage transients. Input 28 VDC; output < 36 VDC. Has 50 amp circuit breakers for Overload & Short; diode overheat protection & manual (BATTLE) override. 9.9x6.2x5, 7 lbs sh. #MX-7777A, Used, \$29.95

PLUGS (2) for MX7777; #29935-2P, used, \$14.00 ea PLUGS (1) for MX7777; 4 pin female, #7777-4P, Used, \$14.00

Line Filters

CORCOM EMI 1 AMP Line Filter. 120/250VAC 50/60Hz. 2.3x0.8x0.6, #F-7099, Used, \$1.60

CORCOM EMI 3 AMP filter with solder connections. 115VAC 50/60Hz. 2.7x1.7 x1.2, used, #3W1A \$2.25

3 Amp 120/250 Volts Line Filter by Corcom. 4 solder terminals. #F2133, Unused, \$3.50

4 Amps 35VDC Line Filter by Filtron. Two terminals. 3x1, 1 lbs sh. #FA-5349, Unused, \$1.75

5 Amps 120/250 Volts Line Filter by Corcom. R Series with 1/4 quick connect terminals. #5VR1, Unused, \$4.50

3 x 10 Amps 28VDC Line Filter by Filtron. Six terminals. 4x3.1x1.7, 3 lbs sh. #FA-380, Unused, \$3.50

10 Amps 250 VAC Line Filter by Cornell Dubilier. #APF1021S, Unused, \$6.95

10 Amps 120/250 Volts Line Filter by Corcom. Four solder terminals. Unused, #10EDK1, \$4.50

10 Amps 100 VDC Line Filter by Sprague. Two threaded terminals. #JX51K, \$5.95 TOKIN 250 VAC 15 amps 50/50 Hz with spade terminals; 2.6"Lx1.8" dia, 1 lb. #VG-215F, Unused, \$4.00

55 Amps 30VDC Line Filter by Cornell Dubilier. 2 terminals. #FL-19, Unused, \$7.95

250KHz Mech. Filter

250KHz Mechanical Filter from Collins F250A85. 8.5 KHz Bandwidth. #526-9049-009, Unused in the original box, \$25.95

MANY ITEMS NOT LISTED - TELL US YOUR NEEDS

Coax Connectors

TYPE UHF:

#PL-259 UHF Male, Generic, \$1.25 each 10 /\$11.00

#83-1SP, As above but Amphenol, \$5.38ea; 10/\$47



#SLV-SO-239 UHF Female Silver Plated. Made by Amphenol, New, \$2.50

#PNL-SO-239 UHF Female Silver Plated. SO-239 mounted on a panel, Used, \$1.60



#SH-SO239 1 hole mount female barrel mount, \$1.



UG-363 Female to Female UHF adapter. 3 inch long, #UG-363, Unused, \$4.50

#PL-258 UHF Female to Female, \$2.25 ea 10 /\$19.

#M-358 "T" for two PL259 & one SO239, used, \$1.95

#83-185-RFX, UG-175 reduces PL-259 to RG-58 coax, \$0.60 each; 10/\$5.50

#83-168-RFX, UG-176 reduces PL-259 to RG-59 coax, \$0.60 each; 10/\$5.50

Silver Plated Old style Twin-Ax "T" Adapter. 2 female & 1 male. #UG-196, Unused, \$5.75



CONNECTORS & ADAPTERS: (m) male, (f) female, (bulk) bulkhead, (rec) receptable, (r/a) right angle; (U) = Used, (Un) = Unused.

ADAPTERS #UG-273 BNC (f) to UHF (m), UN, \$3 N (m) to UHF (f) right angle. #N-UHF, Unused, \$4.50

TYPE BNC: UG-88m (RG-58) Used, \$1.25 ea BNC (m) (RG-58) Amphenol, New, #31-2-RFX, \$2.65; 5/\$11.50 UG-260 m (RG-59) U \$1.25 UG-290 f panel U \$1.50 -274 "T" 2-f to m, U \$5.25 -909 bulk U \$1.50 -282 to post \$2.25 -306 R/A adapter, used, \$2.50



BNC "T" like UG-274. Useful around the shop. Nickel plated. #274-T, Un, \$4.00

TYPE N: UG-21 male (RG-8), Used, \$4.00

Type N male (RG-8) Amphenol, New,

#82-202-RFX, \$6.35; 5 / \$28.95

UG-58 f chassis U \$3.50 UG-27 R/A m-f UN \$4.50

-536 m (RG-58) U \$3.00

-593 f bulkhead for R-59-62, used \$2.25

-1052 f bulkhead for RG-58, used, \$2.25

"N" (f) by Greomar. Accepts 1/4" dia. cable. #15536, \$5

TYPE C: UG-643 "C" female-female, \$3.50

UG-573 Type "C" Male Unbalanced Silver Plated

Connector/ R-390A. #UG-573, Unused cut-off, \$7.50

TYPE HN: UG-59 male Used, \$7.00

UG-920 m-f R/A, \$8.00

R-390A Connectors:

Twin-Ax male, Amphenol, New,

#82-5589-RFX, \$11.50; 3 / \$30.00

Mini-BNC p/o R-390A, #390A-MBNC, used, \$3.50

As above but chassis, #390A-MBNC-CH, used, \$3.50

Hard to find R-390A balanced input adapter. Goes from Twin-ax male to a UHF female. Unused, #UG-970, \$46.



Trompeter



Trompeter Cable, 10 inch patch cord with two gold plated trompeter PL150-29 mini patch plugs. Used good condition, #TRMP-1, \$17.00

As above except 2 feet long. #TRMP-2, \$19.00

Cable Ties



1000 piece CABLE TIES IN PLASTIC CAN.

0.1 x 3.9": 100 pcs blue, 100 pcs red,

100 pcs white, 100 pcs yellow

0.14 x 5.9": 100 pcs white, 100 pcs blue, 100 pcs green

0.14 x 7.9": 200 pcs white

0.14 x 11.8": 100 pcs white

Material: polyamide (nylon 6.6) as specified in MIL-S-23190 self-extinguishing. Temperature: -40F to +230F. #K/TF1000, New, \$17.99

As above but 300 piece kit.

0.1 x 3.9": 25 pcs green, 25 pcs yellow,

25 pcs black, 25 pcs red, 50 pcs transparent

0.14x7.9": 50 pcs red, 50 pcs blue, 50 pcs transparent. #K/TF300, New, \$6.00

100 pieces of Nylon Black Cable Ties, 4" x 0.1", -40F to 230F, #K/TFB3, New, \$1.00

As above except, 5.5" x 0.14", #K/TFB4, New, \$1.78

As above except, 8" x 0.14", #K/TFB5, New, \$2.78

As above except, 11.4" x 0.14", #K/TFB6, New, \$7.90



All nylon ties listed below are common locking type and are standard 0.12" width.

#CT-5.5, Black 5.5" overall length, 50/\$4.60; 100/\$7.50

#CT-5, Natural 5" overall length, 50/\$4.60; 100/\$7.50

As above except 0.06" width. Bundle dia. is 5/8".

#CT-4, Black 4" overall length, 50/\$3.50; 100/\$6.00

#CT-4.5, Natural 4.5" overall length, 50/\$3.50; 100/\$6

Tie-Down Nylon Cable Tie - Ideal for fastening wiring or harnesses to chassis or mechanical assemblies. Accepts #10 screw. Maximum bundle diameter of 1 1/4". Overall length of 6". Standard 0.19" width.

#TCT-6B, Black color, 50/\$6.35; 100/\$9.25

#TCT-6N, Natural color, 50/\$6.35; 100/\$9.25

Electrical Tape

Set of 6 rolls of electrical tape in different colors: yellow, white, green, black, blue, & red. Ideal for color code wiring your audio systems, computers, etc... 3/4" wide. Length is 16.4 feet per roll. #T5S, New, \$2.20



AC Line Cords

3-COND LINE CORDS:

10 ft flat w/ R-A plug; #14 wire. #14-10FT, \$3.50

BUSINESS MACHINE CORD,

3-blade type w/ AC plug; 6' black, 18 AWG.

#HP-NS, \$3.00

16 AWG 3-blade line cord; no AC plug.

#16-HP-NP, \$3.00

HEATER CORD type HSJ, 3-cond 7.5' #16 wire; grey molded R/A plug. #HSJ-16, \$3.00

Trompeter Panel



Trompeter JS64S/J8 Non-Insulated Rackmount Panel with J8 TPS Patch Jacks. 7 lbs sh. 2.4x19x1.8, #JS64S/J8, Used, \$49.50

Heat Gun & Shrink



1200 watt NTE Heat Gun, Electronic variable temperature control dial with temperatures ranging from 250F - 1100F / 120C - 590C. Two speed motor. Heat guard. High quality heat element and solid state construction. Also strips paint and varnish. Thawing and drying. Shrinking and softening. #HG-001VT, New, \$41.99

4 Foot NTE Heat Shrink Tubing. Shrink

Temperature: 120C. Shrink Ratio - 2:1.

Example - 1/16" shrinks to 1/32".

Comes in four colors: Black - "BK"; Clear - "CL"; Blue - "BU"; Red - "R". New.

1/16", #47-20148-(Specify Color), \$1.05

1/8", #47-20348-(Specify Color), \$1.09

1/4", #47-20548-(Specify Color), \$1.49

3/8", #47-20748-(Specify Color), \$1.74

1/2", #47-20848-(Specify Color), \$2.20

3/4", #47-20948-(Specify Color), \$2.89

1", #47-21048-(Specify Color), \$3.89



HEAT-SHRINKABLE

TUBE KIT - 40pcs- BLACK,

Contains: 0.04x 120mm 4.7"; 10

pcs; 0.08 x 120mm: 10 pcs; 0.16 x

120mm: 5 pcs; 0.24 x 120mm: 5

pcs; 0.35 x 120mm: 5 pcs; 0.47 x

120mm: 5 pcs. Halogen and dioxine free, flame retardant. Shrinking temperature: 90°C; max. tempera-

ture: 120°C. 2:1 Shrinking ratio. Dielectric strength: 15kV/mm. New, #K/STB, \$4.20

1/16" black Polyolefin. 90°C shrink temp. Made by

Sumitomo. #11438-(specify feet).

10ft \$4.00; 25ft \$8; 50ft \$14; 100ft \$23

3/8" Dia. Alpha Irradiated PVC Heat

Shrink Tubing. For wire harness jacketing

and covering handles, capacitors,

and terminals. Rated 105 degree C.

2:1 shrinkage ratio at 175 degree C. 3/8" diameter.

#FIT-105-3/8, Unused, 10 ft for \$4.60; 25 ft for \$8.75



NTE Hook-up Wire



Stranded Hook-up Wire by NTE on the reel. Rated 300V minus 90 degree Celsius. Comes in the following colors: Red "R", Black "BK", White "W", Blue "BU", Yellow "Y". New.

Gauge	Length	Part Number	Price
18	25ft	WH18-(specify color)-25	\$5.57
20	25ft	WH20-(specify color)-25	\$4.40
22	25ft	WH22-(specify color)-25	\$3.54
24	25ft	WH24-(specify color)-25	\$3.06
26	25ft	WH26-(specify color)-25	\$2.51
18	100ft	WH18-(specify color)-100	\$15.81
20	100ft	WH20-(specify color)-100	\$11.97
22	100ft	WH22-(specify color)-100	\$9.10
24	100ft	WH24-(specify color)-100	\$7.23
26	100ft	WH26-(specify color)-100	\$6.56

TEFLON Hook-up Wire by NTE on the reel.

Rated minus 200 degree Celsius. Comes in the following colors: Red "R", Black "BK", New.

Gauge	Length	Part Number	Price
18	25ft	WT18-(specify color)-25	\$14.10
22	25ft	WT22-(specify color)-25	\$8.87

SURPLUS HOOK-UP WIRE

Vinyl-covered hook-up wire, all stranded copper; no color choice. May not have continuous lengths over 1000 ft. Allow 2 lbs sh weight per 100 feet

Part#	Gauge	Price
HUW-22, 22		\$21.95/500 ft
HUW-22-SH, 22 SHIELDED		\$4.50/100' \$26/1K' \$85/5K'
HUW-24, 24		\$18.40/500 ft
HUW-26, 26 SOLID		\$8/500' \$12.50/1000' \$40/5000'

CHECK OUT OUR LATEST FEATURE ITEMS AT FAIRRADIO.COM

Coax Cables

COAX CABLES with connectors from military equipment. USED/UNUSED:

#CG-409-5, 5ft RG-58 w/ male BNC each end, \$4.50
 #CG-409-8, 8ft RG-58 w/ male BNC each end, \$5.50
 #CG-409-25, 25ft RG-58 w/ male BNC each end, \$9
 #CG-568, 9ft 75 ohm cbl w/ male BNC each end, \$6
 #8155820, 8ft RG-59 w/ male BNC each end, \$5.50
 #N8-BNC, 8" like RG-58 w/ male N to female BNC, \$4
 #N14-N, 14" like RG-58 w/ male N each end, \$5.50
 #WK1763, N male to SMA male on 12" RG-58. \$6
 #RG-213-1, 16" RG-213 coax w/ R/A N conn. \$7.00
 #RG-213-3, 3' RG-213 w/ R/A "N" male each end \$8
 #RG-213-12, 12' RG-213 w/ "N" male each end \$12
 #CG-3444, 42" RG-214 w/ 2 UG-573 "C" conn., \$12.50
 #A303892-10, SMA (m); TNC (f) 8" jumper; \$6.00

18 foot RG-71 (93 ohm) Coax Cable with a BNC Male on each end.
 #DLA400, Unused, \$12.00



RG-142 Cable 3' 3" long with type SMA screw on male going to a type N female on the other. The type N female does not have any nuts. Cable is rated for 50 ohms 5000 volt. Diameter of the cable is similar to RG-58. Various manufacturers. 2 lbs sh. #RG-142-3, Used excellent condition, \$9.00

Twisted Twin-Axial RF cable with braid silver shield. Both conductors are 24 gauge with 19 strands per conductor. Cable rated at 77 ohm impedance. Light blue jacket. #WT-24-(specify feet), \$35.00/100ft; \$129.00/500ft



BNC male to right angle BNC male six foot RG-58 coaxial cable. #CG-1773, Unused, \$7.00; 5 for \$23



W-128 Single conductor antenna wire as used on many radio sets from WW2 thru the 1970's. Removed from installation kits, good condition.
 #W-128-5, 5 feet, \$12.00;

--- TYPE N - SMA CABLES ---

From cellular installation:

Type N male to SMA male w/ 12" coax. #N-SMA-12, \$4.00

Type N female to SMA male w/ 33" coax. #FN-SMA-33, \$5.25



Hardline Coax

Hardline 50 ohm Coax, 3/8" dia aluminum jacket, foam insulated. 9 gauge center conductor. 3/32" dia solid copper wire. 25pf per foot nominal impedance, impedance 50 ohms, 2500 vrms:
 #HLCX-3/8-(specify feet), \$1.00/ft; 100 ft/\$73.00 500 ft/\$295.00

+++++

MINI-FLEXIBLE HARDLINE COAX CABLE, Belden 1573A (RG-402 50 ohm) with SMA connectors.

M=male, F=female, RA=right angle

#507-174A, M-RA to M-RA, 3.5" L, \$12.50
 #507-175A, M to F N-chassis conn, 8"L, \$16.50

+++++

0.5" dia FLEXIBLE HARDLINE (Cablewave 16733) with male N-connections (1-right angle); Various lengths as noted; 5 lbs sh. #HDL-16733-(length):

6 ft, \$25. 10 ft, \$29.
 12 ft, \$31. 22 ft, \$52.



Wire Galore !!

#22 Cloth Covered Stranded Hook-up Wire. Color choices: red/green, orange, orange/green, blue/red, green, PLEASE SPECIFY.

#WCC-22-(specify color)-(specify feet), \$8.75/25ft, \$27.00/100ft

9 foot of WM-46 cable as used with C-375, VRC-24 and TRC-68.
 #CX-4498, Unused, \$25.00



Twisted two conductor 22 gauge stranded cable with tin shield. 19 strands per conductor. Has white plastic jacket. Mfg by Brand-Rex. #WT-22, \$39.95 for 500 foot spool

Black 18 gauge 2 conductor Cable by Carol. Type SVT. 300V C50. 250 feet. 11 lbs sh. #86002, Unused, \$32.00



Gray 24 gauge 2 conductor Cable. Ideal for intercom use and other low voltage applications. Unused, 100 feet Less reel, #WR-24-2-100, \$11.00; 1000 feet with reel, 14 lbs sh. #WR-24-2-1000, \$27.

3 conductor 12 awg stranded wire. 65 strand 30 awg. 0.045 PVC jacket. Max 300 volt. Black color. 17 lbs shg per 100 foot. #SJTOW-A, Less than 100 feet, \$0.35 per foot 100 feet or greater, \$0.30 per foot



CB Installation Wire Kit provides parts to connect an SDU-5/E flasher to a vehicle (12/24V) battery or wiring. Kit includes the following: Voltage

Converter, Adapter, (2) 3/8" Ring Lugs with Wire, (2) #8 Spade Lugs with Wire, (2) Battery Clips with Wire, (4) Connector Splices, (4) 3/8"-16 Nut. (2) 11.5" Cable Tie, 7.25" Cable Tie, and a Velcro Strip. 3 lbs sh. #CK-SDU, Unused, \$12.00; 3 for \$29.00

GUY WIRE, MACWHYTE Clear coated 1/4 inch stainless steel wire rope. 7x19. Unused, 100 feet, #GY-WR-100, \$99.00 500 feet, #GY-WR-100, \$399.00



--- MAGNET WIRE ---

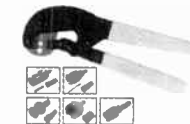
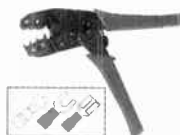
1 lb spool of Magnet Wire. 34 gauge, #MGT-34, \$12. 1/4 lb spool of Magnet Wire. 30 gauge, #MGT-30, \$4.

Crimping Tool



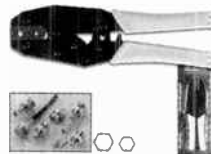
80-PC TRAY CARD WITH CRIMPING TOOL. Crimping tool comes with a variety of different spade terminals, ring terminals, etc..
 #BL/FCT, New, \$11.50

HEAVY-DUTY CRIMPING TOOL FOR FAST-ON. For crimping insulated terminals red awg 22-18, blue awg 16-14, yellow awg 12-10. 8.7" long. #VTHCT, \$27.99



CRIMPING TOOL FOR F & BNC CONNECTORS. For crimping cables: BNC, TNC, UHF, SMA - For RG cable 59, 62, 140, 210, 55, 58. Size: 9.0". #VTFBNC, New, \$23.99

COAX CRIMPING TOOL RATCHET TYPE. For crimping BNC/TNC/N/F. For RG cable: 59, 62, 140, 210, FIBROPTIC. Size: 8.7", #VTBNC, New, \$24.95



Cutters & Strippers

UNIVERSAL CUTTER - HEAVY-DUTY. 6.5" long. #VT09, \$5.50

HQ MINIATURE DIAGONAL CUTTER. Carbon steel, hardened. Black oxide finish. 4.3" long. #VT057, \$3.40



MICRO CUTTING NIPPERS. For precision work. 5.1" long. #VT100, \$3.40



HEAVY DUTY MINIATURE DIAGONAL CUTTER. Carbon steel, hardened. Black oxide finish. 4.9" long. #VT106, \$2.90



CABLE CUTTER. Curved blade cuts wires up to 0.4". 6.5" long. #VTCC, \$9.50

5" ELECTRICAL CUTTER & STRIPPER. Strips wires from 20-24 AWG and cuts wires with a max. y of 0.05". 4.7" long. #VT109, \$4.99



Adjustable Cutter/Stripper. Strips AWG 30-10 wire. Adjusts with a screwdriver. High carbon steel. Precision ground cutting surface. #200-007, New, \$4.69

Pliers



UNIVERSAL PLIERS - HEAVY-DUTY. 7.5" long. #VT03, \$5.99

HEAVY-DUTY LONG NOSE PLIERS. 6.0" long. #VT05, \$4.99



HQ MINIATURE FLAT NOSE PLIERS. Carbon steel, hardened. Black oxide finish. 4.9" long. #VT054, \$3.40

HQ MINIATURE BENT NOSE PLIERS. Carbon steel, hardened. Black oxide finish. 4.9" long. #VT055, \$3.40



HQ MINIATURE LONG NOSE PLIERS. Carbon steel, hardened. Black oxide finish. 4.5" long. #VT056, \$3.40

TOOL SET / 5PCS DIFFERENT PLIERS. Stainless-steel precision pliers set (5 pcs) : diagonal cutter, top cutter, bent nose pliers, flat nose pliers, long nose pliers. #VTSET, New, \$13.90



HEAVY DUTY TOOL SET - 3 PCS. Universal pliers, heavy-duty cutter, long nose pliers. New, #VT33, \$14.99

Diamond Files



SET OF DIAMOND FILES - 10PCS. Powder-coated. 4.7" long. New, #VTDF1, \$9.60

SET OF DIAMOND FILES - 5PCS. Powder-coated. 5.5" long. New, #VTDF2, \$4.60



IC Extractor



IC EXTRACTION TOOL. 4.1" long. #VTIC, \$1.98

CALL US AT 419-223-2196 or 227-6573

24 HOUR FAX 419-227-1313

Vises



VACUUM TABLE VISE WITH STANDARD HEAD. Turns and rotates in all directions. 75mm jaws with protective detachable pads. Opening 70mm. With vacuum base: easy to mount on all flat surfaces, can also be mounted with screws. 5lbs.

7.3x6.2x6.2, #VTTV, New, \$29.90

TABLE VISE WITH STANDARD HEAD. Professional quality for this metal vise for table-screw mounting. Jaw opening 3.0". Rotates 270 degree. Equipped with a fast mounting system. Height: 12.0". 6 lbs sh. #VTTV2, New, \$28.99



Knives & Knife Sets

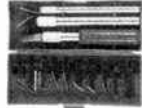


PRECISION KNIFE WITH 5-PC BLADE SET. 5.7" long. New, #VTK1, \$2.40

HEAVY-DUTY KNIFE WITH 5-PC BLADE SET. 5.1" long. New, #VTK2, \$1.70



13-PC HEAVY-DUTY KNIFE SET. Contains 3 cutters with blade and 10 spare blades. New, #VTK7, \$4.20



Utility Knife with lock. Blade snaps off for sharp tip. 4.9" long. New, #VTK3B, 2 for \$1.00; 5 for \$2.00



As above except: Plastic handle with metal protection, 6.3" long. New, #VTK5, \$1.80

Utility Knife with metal housing. High-Q lock button. Set of spare blades. 6.1" long. New, #VTK4, \$3.99
Five spare blades for above, #VTSB3, \$0.99



Radio Tuning Tools



6-PC PLASTIC TUNING NEEDLE SET. Comes with a variety sizes. #VTPT, New, \$5.60

High-Frequency Ceramic Radio Tuning Tools - Cross Tip. Special ceramic blades and antistatic handles. No electromagnetic induction. No eddy current loss in HF (High Frequency). 100% electric insulation. Length 3 47/64". New, #VTC1S, \$4.20



Radio Alignment Tools, Set of 10 plastic adjusters. Length: 4 17/32". Tips: Flat: 1/32", 1/16", 5/64", 13/64". Cross: 3/32", 1/8". Hex: 5/64", 3/32". Square: 1/16" x 1/16", 5/64" x 5/64". New, #VTCSS, \$4.20

Hex Wrench Set

HEX KEY WRENCH SET - 8PCS. Hex: 0.06", 0.08", 0.10", 0.12", 0.14", 0.16", 0.20", 0.24". New, #VTHEX8, \$1.59



SCREWDRIVERS

HANDLE: Swivel-handed cap and color-coded caps for easy identification. User-friendly grips for improved comfort. Special handle for good torque.
BLADES: Nickel-chrome molybdenum. Black oxidized tips for greater durability and accuracy. Plated blade to reduce glare and reflection. Horizontally ground tips for greater torque.

Phillips type:
#0, 4.7" long, #VTC1, \$3.90
#0-3, 6.7" long, #VTC2, \$2.70
#1, 10.0" long, #VTC3, \$4.20



Slotted type:
0.06", 4.7" long, #VTF1, \$2.30
0.09", 6.7" long, #VTF2, \$2.50
0.14", 8.1" long, #VTF3, \$3.60



ELECTRONIC SCREWDRIVER SETS

Ideal for TV sets, communication instruments, optical instruments, cameras, computers, VCRs, telephones, etc.



Slotted: 0.08"x1.6", 0.10"x1.6", 0.12"x1.6", 0.14"x1.6".
Phillips: PH#00x1.6", PH#0x1.6", PH#1x1.6".
#VTSET13, \$4.80

Slotted: 0.12"x1.6", 0.08"x1.6", 0.10"x1.6", 0.14"x1.6", 0.16"x1.6".
Phillips: PH#00x1.6", PH#0x1.6", PH#1x1.6", PH#2x1.6".
Torx: #T6x1.6", #T8x1.6", #T9x1.6", #T10x1.6", #T15x1.6", #T20x1.6". 4.7" long. #VTSET15, \$15.90

Chrome vanadium steel blade, satin finish. Lengths: 4 x 6 1/2" and 11 x 4 3/4".



Torx: #T6, #T7, #T8, #T9, #T10, #T15, #T20. **Slotted:** 0.08", 0.10", 0.12", 0.16". **Phillips:** PH#000, PH#00, PH#0, PH#1. #VTSET16, \$21.90



Black oxidized tips. Plastic handle with swivel-headed cap. **Slotted:** 0.09"x3.0", 0.12"x3.9", 0.16"x5.9". **Phillips:** #00x3.0", #0x3.9", #1x5.9". #VTSCRSET, \$5.90

Chrome-vanadium. Fully insulated. Red plastic grip. **Slotted:** 0.10, 0.12, 0.14 2 Phillips. #VTSCRSET5, \$2.60

Includes voltage light tester (110-500V). **Slotted:** 0.24"x5.9", 0.20"x4.9", 0.16"x3.9", 0.16"x3.7", 0.10"x3.0". **Phillips:** PH#0, PH#1, PH#2. #VTSCRSET1, \$5.20



Includes voltage tester with neon indicator (230-250V). Fully insulated (1000V). **Slotted:** 0.16"x3.9", 0.22"x4.9", 0.26"x5.9". **Phillips:** PH#0x3.0", PH#1x3.9". #VTSCRSET7, \$9.60

Tweezers



SET OF 4 TWEEZERS. Anti-magnetic stainless steel. 1 x bent nose, 1 x flat spade, 1 x self-closing and 1 x normal. 5.3" long. New, #VTTWSET, \$2.99

SET OF 4 TWEEZERS - NON-CONDUCTIVE. 5.3" long. New, #VTTWSET2, \$3.90



Screwdrivers

SECURITY SCREWDRIVER SETS



Contents - 1 x quality handle. 6 x inch socket: 5/64"x105, 3/32"x105, 7/64"x105, 1/8"x105, 9/64"x105, 5/32"x105. **6 x metric socket:** 2.0x105, 2.5x105, 3.0x105, 4.0x105, 5.0x105, 6.0x105. **4 x tri-wing:** #1x105, #2x105, #3x105, #4x105. **1 x cross:** PH2x105. **1 x flat:** 2.0x105. Comes in a plastic case. #VTBT7, \$33.95

Contents - 1 x quality handle. 7 x torx: T8x105, T10x105, T15x105, T20x105, T25x105, T27x105, T30x105. **3 x four-wing:** 6x105, 8x105, 10x105. **4 x U-shape:** 4x105, 6x105, 8x105, 10x105. **1 x cross:** PH0x105. **1 x flat:** 3.0x105. #VTBT8, \$29.95

PRECISION SCREWDRIVERS (MICROTIP)

Special handle with swivel cap. Black tip, chrome-molybdenum vanadium steel. Features - **ROTATING HEAD:** to facilitate support and rotation control. **HANDLE:** varying diameter for flexible grip position and torque high impact resistance, cadmium-free material, easy to recycle. **TAPERED GROOVE:** for better grip and faster rotation. **BLADE:** made of high-quality alloy chrome-vanadium steel, heat-treated. **BLACK TIP:** for high precision, protection from corrosion. **COLOR CODED:** for quick size selection. **METAL BALL:** for easier operation.

Slotted: 0.08"x2.9", 0.10"x2.9", 0.12"x2.9", 0.14"x2.9", 0.16"x2.9".
Phillips: PH#0-0x2.9", PH#0x2.9", PH#1x2.9".
#VTSET11, \$26.99



Torx: #T5x1.6", #T6x1.6", #T7x1.6", #T8x1.6", #T9x2.9", #T10x2.9", #T15x2.9", #T20x2.9". #VTSET12, \$26.99

SET OF 2 PLIERS, TWEEZERS AND 8 SCREWDRIVERS (MICROTIP). 4" long nose pliers. 4" diagonal pliers. 4.9" tweezers. **Slotted:** 0.05"x1.6", 0.06"x1.6", 0.07"x1.6", 0.08"x1.6", 0.09"x1.6". **Phillips:** PH#000, PH#00, PH#0. #VTSET14, \$49.95

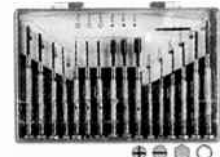


ELECTRONICS BIT SET (19PCS) WITH SCREWDRIVER (MICROTIP). 20-pc precision bit set. **Phillips:** PH#0-0, PH#0. **Slotted:** 0.08", 0.10", 0.12", 0.16". **Torx:** #T6, #T7, #T8, #T9, #T10. **Hex:** 0.06", 0.08", 0.10". **Ball:** 0.06", 0.08", 0.10". **Pozzi:** PZ#0-0, PZ#0. #VTSET9, \$26.99



TOOL SET. Ideal for TV sets, communication instruments, optical instruments, cameras, computers, VCRs, telephones, etc.

Swivel-headed cap. Black oxidized tips for greater durability and accuracy. **PRECISION SCREWDRIVERS - Phillips:** PH#1-1, PH#1-2, PH#0, PH#0-2. **socket:** 0.12", 0.16", 0.20". **Hex:** 0.06", 0.08", 0.10". **Slotted:** 0.04", 0.06", 0.08", 0.09", 0.12", 0.15". #VTSETS, \$4.90



10-PC SCREWDRIVER SET. The bitholder has a holder for bits on both sides. Comes with 10 bits: 2 x slotted, 2 x philips, 3 x hex and 3 x torx. #VTTS2, \$3.00



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Bit Sets



Consists of the following:
 Philips bits: PH.0, PH.1, PH.2 (5x), PH.3; Pozzi bits: PZ.0, PZ.1, PZ.2 (5x), PZ.3; Square bits: S0, S1, S2, S3; Flat bits: 3, 4, 4.5, 5, 5.5, 6, 6.5, 7, 8mm; Antenna remover bits: 4,

6, 8, 10; Torx bits: T8, T10, T15, T20, T25, T27, T30, T40, T45; Tri-wing bits: 6, 8, 10; Torx with center bits: T8, T10, T15, T20, T25, T27, T30, T35, T40; Four-wing bits: 1, 2, 3, 4; Metric hex bits: 1.5, 2, 2.5, 3, 4, 5, 5.5, 6, 8mm; Clutch bits: 1, 2, 3; Fractional hex bits: 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4; Dodecagonal torx bits: M5, M6, M8; Metric hex with center bits: 2, 2.5, 3, 4, 5, 6mm; Fractional hex with centre bits: 5/32, 9/64, 1/8, 7/64, 3/32, 5/64; 1 wing nut driver; 4 extension bits - socket bit holder 1 pc, magnetic bit holder 1 pc, 1/4" sq. x 1/4" x 2" extension 1 pc, 1/4" sq. x 1/4" x 1" extension 1 pc. #VTBT11, New, \$14.50

SECURITY BIT SET / 33 PCS.

Contents - Torx: #T8, T10, T15, T20, T25, T27, T30, T35, T40. Hex: #5/64", 3/32", 7/64", 1/8", 9/64", 5/32". Hex: #2, 2.5, 3, 4, 5, 6. Tri-wing: #1, 2, 3, 4. Fork: #4, 6, 8, 10. Four-wing: #6, 8, 10. Magnetic bit holder: 1/4" hex. #VTBT5, New, \$8.40



BIT SET / 33 PCS. Contents - Hex: #2, 2.5, 3, 4, 5, 6. Torx: #T10, T15, T20, T25, T30, T40. Slotted: 3, 4, 5, 6, 7. Phillips: 1 x PH0, 2 x PH1, 3 x PH2, 2 x PH3. Pozzi : 2 x PZ1, 3 x PZ2, 2 x PZ3. Magnetic bit holder: 1/4" hex. #VTBT6, New, \$4.80



- M5, M6, M8
- C1, C2, C3
- 1/8", 3/16"
- 2mm X 2mm X 2mm
- S0, S1, S2, S3
- 1, 2, 3, 4, 5
- 0, 1, 2
- Wing nut driver
- 6, 8, 10
- PZ0, PZ1, PZ2
- 4, 6, 8, 10, 12
- T-5, T-5, T-6, T-7, T-8, T-10, T-15, T-20, T-25, T-27, T-30, T-40
- 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 5/64", 3/32", 7/64", 1/8", 9/64", 5/32"

1 Piece 1/4" x 60mm magnetic bits holder, 1 Piece bits holder socket, 1 Piece socket adapter, 1 Piece ratchet screwdriver. New, #800-081, \$20.99

Tool Kits



41-PC TOOLSET. Head can be set at an angle of 0°, 45° or 90°. 38 bits: 14 hex sockets, 16 torx bits, 3 slotted, 3 philips and 2 S-bits. With plastic carrying case. #VTT53, New, \$10.20

UNIVERSAL CELLULAR PHONE TOOL KIT.

Screwdrivers: U-shaped, curved, needle tip, 1 x philips, 1 x slotted, 3 x torx and 2 antenna removers. With colored swivel caps. #VTSET8, New, \$9.60



NTE Solder Gun



NTE Solder Gun, 100 watts heats up to 750F in 25 seconds; 140 watts heats up to 950F in 40 seconds. Large dual heat trigger switch for low/high watt. Temperature control. Long-reach tip and sturdy heating element connectors. Pre-focused light. 6 foot, 2 wire cord. #J-100, New, \$35.99

Two pack of nickel plated copper replacement tips for J-100 solder gun, #JT-104, \$3.87

ECG Soldering Irons

Electric Corded Soldering Irons. Each of the soldering irons listed below feature a long life tip (nickel-iron plated copper) and a cool grip rubber handle.



25 Watt - Tip temperature 464F, #J-025, \$10.99
 Replacement conical tip for J-025 (nickel plated copper); 2 tips/package. #JT-101, \$1.93

60 Watt - Tip temperature 860F, #J-060, \$14.99
 Replacement conical tip for J-060 (nickel plated copper); 2 tips/package. #JT-102, \$4.83



Electric Corded De-Soldering Irons, 45 watt, Temperature 788F, Long life tip. #J-045-DS, \$19.99

Butane Torch Micro-Jet. Features the following: Auto ignition, Child safety lock, Instant 2500F micro flame, Powered by a refillable butane cartridge (included). #J-300, \$14.92



Two pack butane replacement cartridge for J-300. #JT-004, \$2.49

Kester Solder Supplies

Pocket Pak .031 Dia. 0.5 oz. #83-4000-0000, \$3.99
 Elec. Silver Solder, Box 0.35 oz. #83-7145-0415, \$4.35
 Kwik-Draw .050 Dia. 1.3 oz. #83-3000-0000, \$5.98

50 watt Solder Station



Soldering Station 50 watt 374-896F, Manual temperature setting, Electronic temperature control, Power-on LED indication, With ground output, Heater power for soldering iron is 50 watt. Requires 115VAC 60Hz. 7 1/4" x 3 1/2" x 3 1/2", 4 lbs sh. New, #VTSS5U, \$23.99; Spare bit, #BITS5, \$1.40

Soldering Station with LCD & Ceramic Heater 48W 150 - 450C, Manual temperature setting. LCD display with digital temperature scale. Temperature preset on LCD display. With on/off switch. Ceramic heating element with temperature sensor. Standard tip included. Maximum heater power for soldering iron is 48W. Temperature range: 302 - 842F. Low-voltage iron: 24VAC. Drop shipped from Texas. 7.3" x 4" x 6.7". New, #VTSSC40NU, \$79.95
 Spare Bit for above: #VTSSC40N/SPB, \$1.80



Soldering Tools



"Helping Hands" Soldering Aid with magnifier. Table top, weighted base. Multi-dimensional adjustment capability. Alligator style clips for holding subject work. #VTHH, \$5.99

6 Pc. Soldering Aid Set. 6 Double-ended picks and brushes. #VTSA, \$8.40



POWERFUL DESOLDERING PUMP. Teflon-nozzle. 10.8" long. #VTD1, \$3.80

EXTRA-POWERFUL DESOLDERING PUMP. Teflon-nozzle. 13.2" long. #VTD2, \$3.80

DESOLDERING PUMP WITH ANTISTATIC TIP. 7.5" long. #VTD3, \$6.80
 Spare bit, #BITVTD3, \$3.20

H.Q. DESOLDERING PUMP. Aluminum body. 6.4" long. #VTD5, \$6.70
 Spare bit, #BITVTD5, \$1.60



ECONOMIC SOLDERING IRON STAND. With cleaning sponge. #STANDLC, \$3.70

Radiosondes



VAISALA RADIOSONDE, ultra-light disposable transmitter (400 MHz approx) is designed to be carried aloft by weather balloon and transmit data for air temperature, barometric pressure and humidity to a ground station. Consists of circuit board, dipole antenna, and trailing wire. Requires 9 V battery. Cute experimenter item! 12.5"H as shown; 3 lbs sh. #RS80, NEW, \$14 ea; 5/\$58.00

Radiosonde mfg by VIZ, transmits on 403 MHz RDF modulated signal; includes battery and separate antenna assy, transducer polishing cloth, baroswitch pressure calibration chart, and instructions. 4.8 x 3.8 x 12.3, 4 lbs sh. #ML659, Unused, \$17.50

AMT-4 Radiosonde Modulator originally was raised by a balloon into the sky to measure atmospheric conditions. Comes w/ barometric unit only. Atmospheric pressure range 1060 to 5 mb(millibars) Resistive temperature element temperature +60 to -90 d C. With schematic. #MD-147, Unused, \$12.95

Newer version of above. No data, but expect the ranges to be about the same. #MD-210, Unused, \$12
 Original manual AMT-4A. #MM-AMT-4A, \$21.00

Motorized Lens

MINOLTA MOTORIZED LENS, focal length 3 mm with 6 mm zoom assembly; probably used in copy machine. Front coated lens diameter 60 mm; rear 15 mm. Focus and zoom mechanism each has small DC gear motor which operates at about 30 RPM @ 5 VDC or 60 RPM @ 10 VDC. 5.5x5.5, 3 lbs sh. #LENS-36-98, Unused, \$27.00; 3 / \$69.00



MANY ITEMS NOT LISTED - TELL US YOUR NEEDS

Peltier Device

PELTIER THERMO-ELECTRIC COOLING MODULE 3A 15.4V 149F. Melcor type: CP1.0-127-06L. I max.: 3A. Delta T max.: 65°C. Voltage: 15.4V. Q max.: 25.7W. Number of couples: 127. Size: 1.2" x 1.2" x 0.14". 1 lb sh. #PELTIER1, New, \$16.00

PELTIER THERMO-ELECTRIC COOLING MODULE 6A 15.4V 153F. I max.: 6.0A. Delta T max.: 67°C. Voltage: 15.4V. Q max.: 51.4W. Number of couples: 127. Size: 1.6" x 1.6" x 0.15". 1 lb sh. #PELTIER2, New, \$16.40

Dehumidifier Control

HONEYWELL DEHUMIDIFIER CONTROL as used in home dehumidifiers. Plastic element tape senses humidity and "opens" normally-closed 120 VAC contacts; has variable control. 1.8x4.5x1, 1 lb. #H46A1103, unused, \$4.00

X-10 Controller

Leviton Manual Controller. Used to control light and appliance modules. Compatible with Radio Shack and Home Safe remote devices. Can control 256 "X10" device codes. Unit has 16 Unit Code Buttons. Also, has 6 Command Keys: On, Off, Bright, Dim, All Lights On, and All Off. The controller is equipped with a key-operated lock-out switch that can be set in the "ON" or "OFF" position. The controller will transmit command signals to modules in your control system only if this switch is keyed to the "ON" position. Key pad mounted in sturdy steel case. Requires 120VAC 60Hz. 8.3x6.7x4.5, 7 lbs sh. #X10-6242, Unused, \$14.00 ea, 2 / \$24.50, 4 / \$43.00

Weaver D6 Scope

Quality 6 power scope fits common rifle mounts. Unfortunately scope is without cross-hair. Still a nice low-cost spotting scope! 12.3" long, 2lbs. #SCOPE-D6-U, Used, \$9; #SCOPE-D6-UN, Unused, \$17

Grab Box

ASSORTMENT of used and unused commercial and government electronics parts such as assemblies, motors, coils, transformers, chokes, circuit boards, capacitors, resistors, and other usable items. Packed in 50 lbs cartons: #GRAB-ASST, \$16.50 ea; 2 / \$28.00 Allow for shipping charges!!

Matched Meters & Rheostats

"Loaded" with prime "clean" parts for DC power projects!
Panel includes:

- * 0-30 VDC METER.
- * 0-30 DC AMMETER.
- * 4 ea 50 MV SHUNTS.
- * 4 RHEOSTATS: 2 ea 225 W 3 ohms, 2 ea 150 W 2 ohms. * 12 Circuit Breakers: 4 ea 32 VDC 8 amps 8 ea 32 VDC 20 amp. * 12 ea 1N1184 DIODES.
- * 4 ea 2.4" dia KNOBS and other parts. Panel is sold "less its On-Off and 4 STA selector switch. 18.8x23x6, 30 lb. #DAV-LCP, 2 for \$87.00 Manual Repro for above, #MM-DAV, \$14.00

Ring Magnet



3.5" dia x 5/16" thick MAGNET with 1.9" dia open inner circle lifts about 8 lbs. 5" dia metal casing has mount flange to protect and isolate magnet; two wires attach to spring-loaded contacts. Use as magnetic antenna mount or in robotic, audio or science projects; 2 lb #MAG-S91, \$4.00; 7/\$14.00

Electronic Ignitor

Fenwal Automatic Electronic Ignitor. Input 12 VDC. This looks like an ignitor for an oil furnace as it puts out a HV spark. Maybe neat for experiments. BE CAREFUL. 5.25 x 4.75 x 3 overall. 3 lbs sh. #05-159901-003, Unused, \$19.50



Finger Stock

18" long x 1/2" ht strips of finger stock. Each individual finger has a width of 1/15" and a ht of 5/16". #FS-18, Unused, \$9.25 ea; 3 / \$23.00

Experimenter's Paradise

Motorola Control Receiver???? Great experimenter item. We have seen them in the past in some cities at intersections and believe their purpose was to intercept traffic signals when emergency vehicles needed to pass. Transistorized receiver covers 139.65 MHz with a five section preselector, crystal controlled oscillator and Vibrasponder tone detector which allows a SPST relay to be actuated by a tone in 600 to 800 Hz range. SPECIFY if tone-match required. Receiver is housed in a plastic protective case. Power required 24 VAC. Has internal transformer and power supply. 7.2" dia. x 6" Ht, 5 lbs sh. #15D82032, \$11 each 4 for \$35.00 #SCH-15D82032, Schematic Info, \$10.00



Control Receiver

Scientific Atlanta Power Control Receiver Model DCU-1051B-01-00-S Series DCU-G-1530. Originally used by power companies to allow radio control of power usage. The units have receivers in the 150 mhz range as well as a 6 VDC contactor rated for 240 VAC 30A resistive. They are programmable and will work on the General Electric code format and/or the SA-105. Power transformer 240 VAC secondary approx 6 Vac. The weather resistant plastic case with gasket and snap closure is excellent for outdoor projects. Has molded on wall mounting brackets. Internal dimensions 9.5x7.4x3, 5 lbs sh. #DCU-1051B, Unused \$20.00 each; 3/\$44.00

Military Flashlight

MX-991/U FLASHLIGHT official rugged right angle military type made in USA. Operate from two "D" cell batteries (not included). Clear diffuser, red signal, and blue spare lenses store in handle; metal belt clip. O.D. green plastic; current issue, 8.3"Lx2" dia. #MX-991, New, \$10.50



Choke Cable

Six foot choke cable with knob with 2 inch pull. 2 lbs shipping. #CHEX-CBL, \$7.00



Neoprene Gloves



Stanzoil Knit-Lined Neoprene Gloves. Multi-purpose chemical, abrasion and temperature resistant liquid-proof hand protection with durability and flexibility. Soft interlock knit lining insulates from heat and cold, absorbs perspiration, and provides easy on/off. Neoprene coating resists a broad range of chemicals. Non-slip "roughed" grip. Mfg by MAPA Professional. New, \$6.00 pair; 4 pair for \$16.50

Please specify model number when ordering. Sizes available: Small: #S-432; Medium: #M-420 Large: #L-408; Extra Large: #XL-348

Finger Stock

24" long x 5/16" height of Finger Stock. Beryllium Copper Radio Frequency Grounding Contact Strip, Each individual finger has a width of 1/8" and a height of 1/8". #97-555-02, Unused, \$7.95



Hydrophone

U S Navy NT-51038 Hydrophone, unused in wood box. Frequency range 1 - 20000 hz with eight Rochelle Salt Crystal doublets, each about 3 x 2 x 1 inch. Matching transformer for 25 ohm output. Rubber casing with castor oil immersed crystals approx 56 inches by 2.5 inches in diameter. The castor oil was used to couple the crystals to the water. Castor oil has deteriorated. Nine foot cable with two steel strain wires and two signal wires. A great experimenter item with a potential for listening to fish ???, boats, ships etc. Unused old stock in wood box. 29 lbs sh. #NT-51038, \$30.00



Aircraft Sextant

Sextant w/ periscope used in larger military aircraft to determine nightflight position relative to the stars. Has eyepiece with cup to view through right angle periscope with bubble level. Controls increase bubble size and adjust lens diffuser plus filters red, green & polarized. Also mechanical timer, 3-digit 100-turn counter dial, & transit case. Requires 28 V AC-DC for lights; 8"Wx13"Hx5.3"D, 23 lb #MS28011-1F, used w/ fiberglass case, \$79.50 #MS28011-NB, used, no case, no bubble, \$41.95 Manual Repro for MS28011, #MM-MS28011, \$20.00



LED Flashlight

ECG LED Super-Bright Flashlights, Conveniently-Sized, 14 super bright LEDs. Aluminum alloy case. Waterproof. 90 day warranty. LED life 100,000 hours. Includes 3 AAA batteries. New, \$7.39 each; Available in 3 metallic colors: Pewter #FS-03PW; Blue #FS-03BL; Red #FS-03RD



Clock Mechanism

Quartz Clock Mechanism, for your self-made clock or as a replacement for a damaged clock. With suspension clip. Requires one AA-battery (not incl.). 2.2" x 2.2" x 0.6", #WCM1, \$1.60



Quartz Clock Mechanism with Alarm Function, integrated buzzer with on/off switch. Comes with a set of clock hands. Requires one AA-battery (not incl.). 2.2" x 2.0", #WCM2, \$6.40



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Test Equipment Blow Out!!

All test equipment listed below is used reparable

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 All-Cutler Hammer 777 Universal Radio Meter \$150
 Allison Labs 2-CR HP LP filter \$175
 AN/ARM-113 TS-2585 Radio Test Set \$325
 APS Dynamics 124 Dual Mode Power Amp \$125
 ARM-41ARC-58 Radio Test Set \$295
 AUSTRON 6014 FREQUENCY MULTIPLIER \$175
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 Ballantine 6310A Audio Test Oscillator \$65
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 Biddle Wheatstone Bridge 72-433 \$75
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 ESI-290B Impedance Bridge 150.00 \$150
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 Rockwell 7303A-40 Test Signal Generator VFO \$175
 Rockwell 7303A-60 Test Signal Generator \$195
 Rubicon Portable Potentiometer \$125
 Rycom 27834 Buried Cable Fault Locator \$75
 Sencore tr-139b IN circuit transistor tester \$50
 Sierra 219b Transistor Tester \$45
 Sigma 4500 Relay Test Set \$35
 Singer Gertsch RT-9 Radio Transformer \$150
 Singer Gertsch UNIVERSAL TONE GENERATOR \$125
 SKL-302 Variable Electronic Filter \$195
 SKL-381 Power Supply w/4SKL 364 filter LP-HP \$295
 Slaughter 122-2.5 2500 VAC Insulation Tester 8500 \$150
 Solar Transient Generator 7823-1 \$150
 SRL 221A HP LP Filter poor \$125
 SRL221B HP LP Filter \$195
 Star Dynamic TTA2936C Tactical Terminal Adapter \$75
 Systems Research Labs SRL 259F High Pass Low Pass filter \$185
 TCI 240-ASY-02A LOOP Antenna Array, Power Supply Multicoupler1 \$195
 TEK 067-0502-00 Calibrator Fixture \$75
 TEK 172 TEST FIXTURE \$150
 TEK184 Time Mark Generator \$150
 Tek 602 Display \$175
 Telemet 4400 Modulator \$50
 TELEMET DEMODULATOR 4501 \$65
 Transmagnetics 3800c-6av/488 synchro/resatuer simulator \$295
 Tri-Pheonix PX-32C Programmer Pulse Generator \$299
 TS-1588A/AIC RADIO TEST SET 6625002396016 \$225
 TS-3394A TPM-25 Radar Test Set \$295
 Unholtz Dickie OSP-4 Oscillator Servo Programmer \$295
 Unholtz Dickie SPA7 Servo Programmer \$295
 Unitek 1-065-02 Weldmatic \$225
 UPM-137 RADAR Test Set \$795
 VOLTRON WATTMETER 3 phase 12-3khz 90v \$150
 VTM/XDCR STE/ICE-R Vehicle Test Kit \$595
 Wandel & Golterman 10khz-110 Mhz SSB Level Generator \$225
 Wandel Goltermenn Level Meter \$250
 Wavemeter 1600- 2250 Mhz wood case \$75
 Wavetek 143 20 Mhz Function Generator \$99
 Wavetek 157 Programmable Waveform Synthesizer \$225
 Wavetek 159 Waveform Generator \$295
 Wavetek 180 Sweep Function Generator \$150
 Wavetek 182 4 Mhz Function Generator \$75
 Wavetek 187 4 Mhz Pulse Function Generator \$90
 Wavetek 750 Phase Meter \$350
 Wavetek 957A 12 - 18 Ghz micro source \$225
 Wavetek 1018B Log/Lin RF Peak Power Meter \$595
 Wavetek 1062 Sweep Generator \$125
 Wavetek SG1146 Funtion Generator \$150
 Wayne Kerr B801 VHF admittance bridge \$150
 Weltek Precision force 3W-111 w/ Standard Weights \$150
 West Instruments 9B Pyrotest \$100
 White Band Pass Filter Test Set 2640 \$75
 ZM-3 Capacitance Analyzer \$125
 ZPV Polarad Vector Analyzer \$395

MANY ITEMS NOT LISTED - TELL US YOUR NEEDS

500 MHz H-P Counter



HP-5345A ELECTRONIC COUNTER, solid-state 9-digit plug-in type measures DC to 500 MHz channels A & B

without any plug-in. Function Select: Plug-In, Freq A, Period A, Time Int A to B, Ratio B/A, Start Stop. Channel controls 50 or 10 mhm input, x1/x10 Atten, AC-DC, and Level. Requires 100/120/220/240 VAC 48-66 Hz; 5.3x 16.8x19.5, 42 lb sh. #HP-5345A, Used-reparable, \$350.00

HP-5328A ELECTRONIC COUNTER, solid-state modular design; counts upto 512 MHz on 9-digit LED display. 10 MHz reference oscillator, input for external freq-standard. Universal 100 MHz Module controls Channels A & B functions LEVEL, AC-DC select, ATTN 1-10-100, and Marker output. Sensitivity 25 MV to 40 MHz; 50 MV 40-100 MHz. Channel C module provides 5-512 MHz range, 15 MV rms sensitivity. Trigger fixed; 50 ohm impedance. With Option 011 HP-1B computer interface & manual repro. Requires 100/120/220/240 V 48-66 Hz; 3.5x 18.5x19, 28 lbs.

#HP-5328A-UR, Used-Reparable, \$270.00
#HP-5328A-CH, Checked, except for HP-1 computer interface, \$600.00



18 GHz Counter



HEWLETT-PACKARD 5340A FREQUENCY COUNTER, covers 10 Hz to 18 GHz with automatic

amplitude discrimination feature allowing counter to select largest signal in 250 MHz-18 GHz spectrum. Has 8-digit display. Sensitivity -30 dBm, 10 Hz-500 MHz; -35 dBm 500 MHz-10 GHz; -25 dBm 10-18 GHz. Input impedance 50 ohms; 10 MHz crystal time base. Has Self-Check and N and BNC input connections. Requires 115/230 VAC 48-66 Hz; 3.5x 16.8x18.8, 31 lbs sh. #HP-5340A, Used-Checked, \$1375.00

HP-5245L Counter

HP-5245L COUNTER, 7-digit predecessor of 5345A; measures upto 50 MHz without plug-ins. 100 mv sensitivity; gate 1 usec to 10 sec in decade steps. Units at least "test" count. 5.3x16.8 x18.3, 34 lbs sh.



#HP-5245L, Used-Reparable without plug-in, \$95.00

Manual repro, #MM-HP-5245L, \$27 w/set purchase.

#HP-5253B Plug-in, 50-500MHz, \$69.00

#HP-5257A Transfer Osc. plug-in, 0.05-18 GHz, \$200

Frequency Counter



2.4GHz HIGH RESOLUTION FREQUENCY COUNTER, 8-digits green LED display with annunciators. Two-channel operating mode memory. Adjustable range and gate time. High-safety design as per IEC 1010, cat. II. Frequency range:

0.01Hz - 2.4GHz. Accuracy: time base error x frequency ± 1 digit, gate time: 100 msec - 10 sec. Input characteristics: o channel A: + frequency range: # DC couple: 0.01Hz to 100Hz, # AC couple: 100Hz to 50MHz, + sensitivity: 80mVrms, + impedance: 1 Mohms, + max. input voltage: 30V; o channel B: + frequency range: from 50MHz to 2.4GHz, + sensitivity: 50mVrms, + impedance: 50 ohms, + max. input voltage: 3V. Requires 110-220VAC $\pm 10\%$. Drop shipped from Texas. New, #DVM13MFC2U, Retail, \$172.00: Our Price, \$119.95

Value Priced Multimeter



MINI 3 1/2 DIGIT DMM - 19 RANGES. Automatic polarity indication. Diode and transistor (hFE) test. DC voltage: 200m/2000m/20/200/500V. AC voltage: 200/500V. DC current: 200 μ /2000 μ /20m/200m/10A.

Resistance: 200/2000/20k/200k/2000k. Basic accuracy: $\pm 0.8\%$ ($\pm 1.0\%$ for 2000k range). Low-battery indication. With manual, test leads, and GP23GA 12V battery. #DVM810, New, \$6.99

23 Range Multimeter

3 1/2 DMM - 23 Ranges / 20A. Has transistor, diode and audible continuity test. DC voltage: 200m/2/20/200/1000V. AC voltage: 2/20/200/750V. DC current: 200 μ /2m/20m/200m/20A. AC current: 2m/20m/200m/20A. Low-battery indication. 3.3"x6.5"x1.3" 3 lbs sh. With manual, test leads, holster, and 9V battery. #DVM92, New, \$21.99



Clamp Meter



ECONOMIC DIGITAL CLAMP METER, 3 1/2 LCD display with automatic polarity indication. Data-hold function. AC current measurements: max. 1000A. Insulation test: max. 2000Mohm. Voltage measurements: AC (max. 750V) and DC (max. 1000V). Resistance measurements: max. 20Kohm. DC voltage: 1000V. Basic accuracy: $\pm 0.8\%$. Input impedance: > 9 Mohm. Maximum input: 1000V. AC voltage: 750V. Basic accuracy: $\pm 1.0\%$. Input impedance: > 9 Mohm. Maximum input: 750V. AC current: 200/1000A. Basic accuracy: $\pm 2.0\%$. Overload protection: 1200A for 60 seconds. Resistance: 200/20k (insulation test: 20M/2000M). Basic accuracy: $\pm 1.0\%$ ($\pm 2.0\%$ for insulation test). Overload protection: 500V. Overrange: yes "1". Continuity buzzer: yes. Low-battery indication: yes "BAT". Requires 9V battery. Accessories: manual / test leads / battery / carrying bag. 9.1" x 1.5" x 3.5". 2 lbs sh. #DCM266L, New, \$25.60

Economy Multimeter

3 1/2 DMM - 10A / HOLD FUNCTION / BACKLIGHT, DMM with automatic polarity function and 3 Ω digit LCD display. Diode, transistor and continuity test with buzzer. Data-hold function and backlight. DC voltage: 200m/2/20/200/1000V. AC voltage: 200/600V. Maximum AC/DC voltage is 600V. DC current: 200 μ /2m/20m/200m/10A. Overload protection: 10A. Resistance: 200/2k/20k/200k/2M. Requires 9V 6LR61 battery (incl.). Comes with protective holster. 2.7" x 5.4" x 1.2". #DVM850BL, New, \$15.99



Analog Multimeter



DC voltage 2.5/10/50/250/500V, maximum input 500V, AC voltage 10/50/500V, maximum input 500V, DC current 500 μ /10m/250mA, resistance: x1 and x10 with ohm adjusting knob. Basic accuracy $\pm 5\%$. Has battery-check function, and fuse & diode protection. Requires one AA-battery (included). Comes with manual, test leads and protective holster. 4.7" x 2.4" x 1.2", 2 lbs sh. #AVM460, \$14.40

Freq, Cap, Temp, Meter



3 1/2 DMM - 30 RANGES / 20A / TEMPERATURE / CAPACITANCE / FREQUENCY, DC voltage: 200m/2/20/200/1000V $\pm 0.5\%$ + 1 digit, $\pm 0.8\%$ + 2 digits (1000V). AC voltage: 2/20/200/750V $\pm 0.8\%$ + 3 digits, $\pm 1.2\%$ + 3 digits (750V). DC current: 20m/200m/10A $\pm 1.5\%$, $\pm 2.0\%$ (10A). AC current: 2m/200m/10A $\pm 1\%$, $\pm 1.8\%$ (200mA), $\pm 3\%$ (10A). Resistance: 200/2k/20k/200k/2M/200M, $\pm 0.8\%$ ($\pm 5.0\%$ for 200M range). Capacitance: 20n/200n/2 μ /20 μ F $\pm 4\%$. Frequency: 200kHz $\pm 1.5\%$ (overload protection: 380VDC of 380VAC rms). Temperature: -20 \circ C to 1000 \circ C $\pm 5\%$, $\pm 1\%$ (1 \circ C-400 \circ C), $\pm 2\%$ (401 \circ C-1000 \circ C). Requires 9V battery. With auto power-off. Transistor, diode and audible continuity test. Data hold function. Accessories included: manual / test leads / holster / battery / temp. probe. Low-battery indication, & overload protection. With holster. 7.5" x 3.3" x 2.2", 2 lbs sh. New, #DVM8264, \$49.95

Temp / Capacitance / Freq

3 1/2 DMM - 30 RANGES / 20A / TEMPERATURE / CAPACITANCE / FREQUENCY. Low-battery indication, Overload protection and automatic deactivation. Transistor, diode and audible continuity test. DC voltage: 200m/2/20/200/1000V. AC voltage: 2/20/200/700V. DC current: 2m/20m/200m/20A. AC current: 20m/200m/20A. Resistance: 200/2k/20k/200k/2M/200M/200M. Capacitance: 2000p/20n/200n/2 μ /20 μ F. Frequency: 20kHz. Temperature: -50C to 1000C. 3.5" x 6.7" x 1.5". 3 lbs sh. With manual, test leads, holster, 9V battery, temp. probe. #DVM890, New, \$49.95



ME-297 Multimeter



ME-297/USM-223 FET MULTIMETER measures AC-DC volts to 5000 V in sequential ranges 2.5-10-50 to 5 KV, AC-DC 1000 ohm/V or DC 20K ohm/V. Also DC current to 10 amps in full scale ranges 0.25-2.5-10-50-100-500 MA DC and 2.5-10 amps. Resistance scales X1K-10K-100K-1M-10M ohms. Includes rugged plastic case, 4.5" dia FS=50 ua meter, red-black test leads and front cover. Requires 6-PXB1 1.3 V & 1-"C" batteries (not supplied). 6x7.4x8.8, 7 lb.

#ME-297-CH, Checked, \$79.95

Units converted so they require six double A and one C battery, #ME-297-CON, Checked, \$135.00

Manual partial repro, #MM-ME-297, \$12.00

3-in-1 Lab Unit

3-in-1 Lab Unit, Multimeter, Power supply, and Soldering Iron.



DIGITAL MULTIMETER - 3 1/2 backlit LCD, Automatic polarity indication, DC voltage: 200mV to 600V in 5 steps, AC voltage: 200V and 600V, DC current: 200 μ A to 10A in 5 steps, Resistance: 200 ohm to 2Mohm, Diode, Transistor and Continuity Test, Data-hold function and buzzer.

REGULATED POWER SUPPLY - Selectable output voltages: 3 - 4.5 - 6 - 7.5 - 9 - 12Vdc, Output current: 1.5A (2A peak), LED overload indication, Output on/off switch, Very low ripple, LED power indication. SOLDERING STATION - Low-voltage iron: 24V, Ceramic 48W heating element with temperature sensor, Temperature range: OFF - 150 - 450C, Lead-free soldering possible, Supplied w/ sponge and spare bit. Great space saver! Drop shipped from Texas. #LAB1U, List Price, \$193.40; Our Price, \$132.94

FOR ORDERING INFORMATION SEE PAGES 19

URM-120 Wattmeter



URM-120 Wattmeter measures incident & reflected RF from 10 to 500 watts over 25 to 1000 MHz. Uses two plug-in coupler elements CU-754 (25-250 MHz, 10-50-100-500 W) and CU-755 (200-1000 MHz, 10-50-100-500 W) that fit TS-1285* meter.

Max-insertion VSWR 1.08 (1.05 for CU-754/755, 500 W range). Power selectable on each coupler. TS-1285* has 3.5" dia meter, 0-10-50 W scale and N conn. W/transit case & manual. 5x4.8x7.3, 20 lbs

#URM-120, (TS-1285 etc), used-reparable, \$245.00

Dummy Load

DA-189/GRC Dummy Load, portable 50 ohm unit operates over 600 to 1850 MHz range @ 40 watts max. Output indicated on 3.5" dia meter; "C" input connection. 4x4x10, 9 lb. #DA-189, Used, \$40.00



HP-3586B Voltmeter



HP-3586B FREQUENCY SELECTIVE VOLTMETER, measures tone level, idle channel noise, weighted noise at voice & compare to carrier frequency over 50 Hz to 32.5 Mhz

@ 75 ohm input; voice level over 50 Hz to 100 KHz @ 600 ohms. Amplitude + 20 to -130 dBm; resolution to 0.01 dBm. Option 003 measures phase jitter, noise-with-tone, signal-to-noise with tone ratio and single level impulse noise. Push-button control & entry; HP-1B programmable. NA Bell standard. Requires 100/120/220 /240 VAC 48-66 Hz; 7x16.8 x18.4, 62 lbs sh. #HP-3586B, Used-Reparable, \$750.00

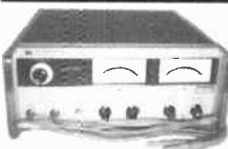
Freq Selective Voltmeter

SIERRA 128A FREQUENCY SELECTIVE VOLTMETER for analyzing carrier signals over 10 KHz to 15.1 MHz LSB-AM-USB; utilizes all-transistor frequency lock, Could probably be used as receiver. Separate circuits for MHz and KHz tuning each with controls COARSE, FINE, CURSOR, and input TRACKING SIGNAL BNC jack.



Voltmeter has ranges 30 uV to 30 V in 13 steps; DB ranges -90 to +30 DB. Select 75-135-600 ohm termination or 1 MHz calibration; also Selectivity WIDENARROW, Main Tune LOCK-CONT, Audio GAIN, and phone jack. Requires 115 V 60 Hz or 28 VDC 220 ma. May have brown or beige front panel; 12x20x15.5, 52 lbs sh. #SIE-128A, Used-reparable w/ book, \$135.00

Vector Voltmeter



Hewlett-Packard 8405A Vector Voltmeter, measures both magnitude and phase over 1 to 1000 MHz in 21 overlapping bands. Also capable of determining insertion loss, group

delay of bandpass filters, complex impedance of mixers and antennas, RF distortion and in-circuit probing. Ranges: 100 uv to 1 V-rms full scale in 10 db steps. Phase: 360 degrees on 0-center meter with end scale ranges +/- 180, 60, 18 and 6 deg. Band-width: 1 KHz. Requires 115/230 VAC50-400 Hz; 7x16.8x18.4, 36 lbs sh. Probes do not have tips, internal components of probe are missing and cable is damaged. #HP-8405A-UR, Used As-Is w/ manual repro, \$250.00

URM-127 Audio Oscillator



AN/URM-127A SOLID-STATE AUDIO OSCILLATOR, 20 Hz to 200 KHz in four bands. Metered output 0-10 Vrms into 500 or 1000 ohms in 7 decade ranges. Design accuracy +/-2%; stability +/-0.5%. Requires 115 VAC 50-70/380-420 Hz. 7.5x13x4.5, 15 lbs sh. #URM-127A-UR, Used reparable, \$87.00

#URM-127A-CH, Checked, \$165.00

Manual repro for URM-127A, #MM-URM-127A, \$21.00
Manual repro for URM-127, #MM-URM-127, \$21.00

1K ohm Dummy Load for URM-127 & TS-382 oscillators. Has two banana jacks, two terminal posts, and a BNC female connector. #DA-35, Used, \$12.00

UG-514 Adapter Connector for URM-127 & TS-382. Has two banana jacks, two terminal posts, and a BNC female connector. 1 lbs. #UG-514, Used, \$11.00



Audio Attenuator



The Shalco Attenuator Network is a 600 ohm impedance, decade type, unbalanced "T" circuit direct reading unit providing accurate performance in the low radio frequency spectrum, and usable over the range from 0 to 10 MHz. Accuracy +/- (.5% + .03 dB) of setting when checked at 1KHz. Unit has a range of 0 to 110dB in 1 dB steps and is equipped with 3/4" spacing 5 way binding posts. 7.5x12x5.3, 8 lbs sh. #12851-1, Unused, \$135.00

#12851-1, Unused, \$135.00

Audio Output Meter

TS-585 OUTPUT METER for audio amps, filters, oscillators. Ranges 0.1-5 mw, -10-+7 dbm; 1-50 mw, 0-+17 dbm; 10-500 mw, +10-+27 dbm; 100-5000 mw +20-+37 dbm read on 3.5" dia meter. Multiplier circuit x0.1, x1, x10, x100 allows input impedances 2.5 to 20000 ohms in 40 steps; 30-10000 Hz response. 8.5x11x5.5, 17 lbs sh. #TS-585, Used, \$95.00;



Manual, partial-reproduction, #MM-TS-585, \$12.00

Audio Test Set



MARCONI TF2005 DUAL AUDIO TEST SET, low distortion unit (designed <0.05%) consists of two 20 Hz-20 KHz oscillators, 0.1-111 dB T-attenuator and voltmeter. Output 15 dBm into 600 ohms. Attenuator balanced 75, 150, 600 ohms 1 W max; unbalanced 600 ohms. Voltmeter ranges 1.5, 5, 15, 25 V; dB ranges +10, +20, +24. Requires 115 VAC 50-60 Hz; 7x17x11, 32 lb sh. Less power cord.

#TF2005, Used Reparable with output, \$275.00

Noise Level Meter



Northeast Electronics TTS37BR Noise Level-VU Meter, 1 & 10 db/step attenuators measures level +23 to -95DBM; Noise 13 to -5 DBRN. Input impeded 900 &

600 ohm circuits balanced/ unbalanced, terminating or bridged. Sensitivity -80 DBM @ 0 DB. Has large VU-meter with scales -15 to +3 VU-DB, -5 to +13DBRN. 8.8x19x7.5, 15 lbs.

#TTS37BR, Used Reparable w/book, \$135.00

Light/Sound/Temp. DVM

3 1/2-DIGIT DMM - 20 RANGES - 10A - SOUND LEVEL / LIGHT / HUMIDITY / TEMPERATURE.

Automatic polarity function. Low-battery indication. Transistor, diode test, audible continuity test.

Overrange protection. Sound level measurements: 35-100dB. Light measurements: up to 20000lux. Humidity measurements: 25%-95% RH. Temperature: -20C to +1300C. DC voltage: 200m/20/600V. AC voltage: 200/600V. DC current: 200u/200m/10A. Resistance: 200/2k/200k/1M. 4.8x2.4x1.6. Includes manual, test leads, and 9V battery. Drop shipped from Texas. #DVM501, New, Regular Price, 103.95; Our Price, \$82.95



Sound Level Meter

Analog Sound Level Meter, 7 sound level ranges: 50 to 126dB, A and C. Weighting: for sound analysis, fast/slow response: allows intermediate and high level measurements, with battery level indication, RCA output jack. Range: up to 126dB, Positions: 60, 70, 80, 90, 100, 110, 120dB, Load impedance: 1kohm min., Distortion: < 2% at 1kHz 0.5V,

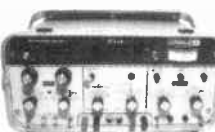
Microphone: electret condenser microphone, omnidirectional, directionality increases at higher frequencies, Precision: ± 2dB at 144dB, Weighting: A or C, Response: slow or fast, Output signal: max. 1V deviation at 1kHz for the entire range, Requires 9V battery (incl.). Battery test: OK indication between 7 and 10.5V. 6.3" x 2.4" x 1.7", 2 lbs sh. #AVM2050, \$46.20

Voltage Tester

Voltage Tester by Ideal. Tester checks for 110 to 550VAC; 110 to 600VDC; 25 to 60Hz frequency; Identifies AC or DC; Checks circuit continuity; Determines DC polarity; Finds blown fuses, grounding and leakage. Comes with the test leads featuring safety shield prod tips. 1.5x2.4x6.4, 3 lbs sh. #61-067, Unused, \$27.00



Transmission Test Set

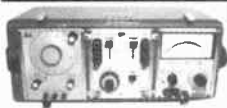


Northeast Electronics TTS-44 Transmission Test Set. A useful device for test and measurement of audio VLF-RF frequencies up to 99.99 KHz. Has a four digit display switchable from Hz to

KHz, and an edgewise DB meter. Also, has a small front mounted speaker with level control. Send portion of unit generates frequencies in presets (404,1004, 2804 Hz) and variable ranges (35 - 375 Hz, 375 - 4.5 KHz, 4.5 - 60 KHz) and has an output attenuator from -40 to +10 db in six ranges. Both send and receive have two independant channels with bridged and terminated binding post and phone plug connections. 120VAC, and self contained battery operation (no warranty of battery condition) 12.7 x 15 x 7.5, 33 lbs sh. #TTS-44, Used reparable, \$95.00 #MM-TTS-44, Manual Repro for above, \$27.00

CHECK OUT OUR LATEST FEATURE ITEMS AT FAIRRADIO.COM

HP Carrier Test Set



HEWLETT PACKARD 3550A CARRIER TEST SET for field testing transmission line and system characteristics.

Includes solid-state 204C Oscillator, 493B Voltmeter, and 353A Patch Panel described below in transit case. Regulating batteries removed; 8.4x19.3x13.3, 36 lbs sh.
#HP-3550A, Used Repairable, \$220.00
#MM-HP-3550A, Manual repro, \$35.00

HP-204C AUDIO OSCILLATOR, AC line or rechargeable battery operation. Unit provides frequency from 5 Hz to 1.2 MHz in six overlapping ranges. Delivers an output voltage of >2.5 V-rms (10 mW or +10 DBM) into 600 ohm. Includes Sync Output: > 100mV-rms into <100pf over entire range. 5.1x6.3x8, 9 lbs sh.
#HP-204C, Used Repairable, \$130.00
#MM-HP-204C, Manual repro, \$17.00

HP-403B AC VOLTMETER, measures 0.001 to 300V-rms in 12 calibrated steps, -60 to +50 DB in 10 DB steps. Response 5 Hz - 2 MHz. Requires 115/230 VAC and four 6 V 225ma batteries in regulating circuit. 5.1x6.3x8, 9 lbs sh.
#HP-403B-LB, Used Repairable, less batteries, \$95
#MM-HP-403B, Manual repro, \$17.00

HP-353A Telephone Patch Panel, 50Hz-560KHz. Output impedance 135, 600, and 900 ohms. Step 600 ohm attenuator. 2 pair of matching transformers primary 600 ohm, sec 135, 600, 900 ohms. 5.1x6.3x8, 9 lbs sh. #HP-353A, Used, \$40.00

Thermometer

In/Out Thermometer, Memory for min/max values. Wall-mounted or freestanding device.

Simultaneously display in/out. Alert/set button to enter a preset value for in/out temperature.

Readout in C or F. Weatherproof sensor probe for outdoor temperature. Temperature range indoor:

-10C to +50C (+14F to +122F); outdoor: -50C to +70C (-58F to +158F) Digit height: 0.5". Display size: 1.18" x 1.57". Unit size: 4.3" x 2.75" x 0.78". Requires one AAA battery (included). #TA20, New, \$10.99



Infrared Thermometer



NTE Digital Infrared Thermometer, Pen-style IR thermometer fits easily

in a pocket for quick and easy surface temperature measurements. Temperature Range: -27[∞] to 428[∞]F (-33[∞] to 220[∞]C). Accuracy: ±2% of reading or ±2[∞]C. 0.1[∞] resolution for accurate readings. Selectable temperature units F/C. 1:1 Optics (distance-to-spot size ratio). LCD display. Does not use a laser beam. Metal alloy case. Lithium batteries (2 LR44 included typically provide for 180 hours of continuous operation). Low battery indication. Automatic power OFF after 15 seconds. 1 Year Warranty. Durable pocket clip. #DIT-205, New, \$49.50

INFRARED THERMOMETER. One-handed operation. Laser technology. Range 0 to 788F. Resolution 1F / 1C. Spectral response 6-14µm. Response time 500ms. Accuracy -20C to +100C : ± 3C; +101C to +420C : ± 3C. Operating temperature 0 to +50C. Power consumption 40mA max. Requires a 9V-battery (not included) 1.7" x 1.6" x 6.7". 2 lbs sh. Drop shipped from Texas. #DVM8869, New, List Price, \$215.00; Our Price, \$151.95



Distortion Analyzer



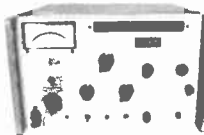
HEWLETT-PACKARD 331A DISTORTION ANALYZER, measurement of total distortion 0.1%-100% in 7 ranges

over 5 Hz to 600 KHz; harmonics to 3 MHz. 1 KHz filter attenuates frequencies below 400 Hz. Fundamental rejection >80 DB. Meter Indicates 300 uv to 300 V rms in 13 ranges, 10 DB per range. Requires 115/230 V; 16.8x5 x15.3, 24 lbs sh.
#HP-331A, Used Checked w/ manual, \$310.00

HP Wave Analyzer

HEWLETT-PACKARD 310A WAVE ANALYZER, a frequency selective voltmeter-receiver covering 1 KHz to 1.5 MHz with bandwidths 200,1000, and 2000 Hz; resolution 200 Hz/div. Modes AFC-Normal-BFO-USB-LSB-AM. Amplitude ranges 10 ux to 100 V full scale, 16 steps. AFC: dynamic hold-in +/-3 KHz min @ 100 KHz; tracking 100 Hz/sec. Has headphone jack and is operable as VLF receiver. Requires 115/230 V 60 Hz; 10.8x16.8 x18.4, 50lb.

#HP-310A, Used-repairable w/ manual, \$175.00



Digital Tachometer



RPM-measurements are now safe and accurate. 5-digit LCD displays the exact rpm: 2.5 to 99,999rpm. The last value / max. and min. values are stored automatically. Resolution : 0.05%.

Comes with case. Requires 9V

battery. Drop shipped from Texas. #DT06234, New, Regular Price, \$99.00: Our Price, \$79.95

Wheatstone Bridge

ZM-4 Wheatstone Bridge used to measure DC resistance.

Resistance measurement range 1 ohm to 1.011 M ohms +/-0.15%; As a resistance substitution box it is adjustable in 1 ohm steps from 0-10110

ohms. The current limit of the resistors is 16-500ma depending on setting. Galvanometer indicates balance in test circuit. Requires three "D" batteries. Also 22.5 to 200 VDC for more accurate readings above 1000 ohms. Can be used as a precision resistor substitution box. 5.8x7.3x8.8, 12 lbs
#ZM-4-UR, Used Repairable, \$46.;
#ZM-4-UR-L, Used Repairable less galvanometer, \$23
#ZM-4-CH, Used Checked, \$69.50;
Manual repro, #MM-ZM-4, \$17.00



LC Bridges

3 1/2-DIGIT LC BRIDGE. Digital LC meter with 3" LCD display and figure height 21mm. automatic zero indication: high measuring accuracy. Capacitance: 2n/20n/200n /2µ/20µF/200µF. Inductance: 2m/20m/200m/2H. 7.4" x 3.6" x 1.2" 3 lbs sh. With manual, test leads, holster, 9V battery. #DVM6243, New, \$62.95



Anemometer

ANEMOMETER. Wind speed measurements in mph, km/h or m/s units. Reads up to 65MPH. Wind speed in Beauford wind scale bar graph. Wind chill display. Temperature display in degrees Celsius or Fahrenheit. Data-hold function. Auto power OFF. LCD backlight. Comes with neckband and 1 x 3V CR2032 battery. 1.5"x.7"x 3.9". #DVM9500, New, \$89.95

URM-26B Generator



SG-117/URM-26B SIGNAL GENERATOR, 4 to 405 MHz AM-CW - Pulse in six bands. Output 0.1 to 100K uv into 50 ohms. Modulation 400 or 1K Hz 0-50%. External pulse-mod requires positive 40 V-min 50-500 pps; duration 2-40 usec and 70 ohm input impedance. Requires 115 V 50-1000 Hz. Outer case may have small dents. Less front cover. 11.3x14x10.5, 36 lbs sh. #URM-26B, Used Checked, \$225.00 Manual repro, #MM-URM-26B, \$21.00

Accessories sold only with purchase of URM-26B: 2:1 attenuator, 50 ohms, #CN-315, \$11.00 10:1 50 ohm, #CN-316 \$13.50 Impedance matcher, #CU-439, \$13.50 BNC cords, 4 foot, #BNC-4ft, \$5.50; BNC cords, 6 inch, #BNC-6IN, \$3.00

SG1174 Signal Generator

SG-1174/U (AUL 6201B) Signal Generator 3.8 - 7.6 GHz. Internal modulation of CW, pulse, square wave, FM or accepts external modulation. Control complement includes vernier tuning, attenuator, sync multiplier,

pulse rate (40-400pps), pulse width (.5-10us), sync delay (3-300us), and FM modulation level. Solid-state design except for 5037 klystron. 50 ohm output, plus sync and sync delay outs; external modulation inputs. 5.7x19x13.7, 54 lbs sh, No manual available. #SG-1174, Used Repairable, \$145.00



UHF Signal Generators



HEWLETT-PACKARD 620B SIGNAL GENERATOR, 7 to 11 GHz in single band FM, pulse or squarewave modulation. Calibrated output 0.1 uv to 0.224 V into 50 ohms. Also second 0.3 MW uncalibrated output useable for phase locking. Pulse rate 40

to 4000 pps; width 0.5 to 10 usec. Uses 5721 or = klystron. Requires 115/ 230 VAC 50-400 Hz. 13.9x17.5 x17.4; 70 lb. #HP-620B, Used Repairable, \$200 Manual repro for above, #MM-HP-620B, \$23.00

HP-618C GENERATOR, similar to 620B except 3.8 to 7.6 GHz; #HP-618C, Used Repairable, \$175.00 Manual repro for above, #MM-HP-618C, \$20.00

HP-8640B Signal Generator

HEWLETT-PACKARD 8640B RF GENERATOR 500 KHz -512 MHz AM-FM-Pulse in 11 bands read on 7-digit display. Output +19 to -145 dbm (2 V to 0.013 uv); phase-lock FM. Requires 100/120/220/240 VAC 48-440 Hz; 5.5x16.8 x18.8, 53 lbs sh. Used Checked w/manual copy, #HP-8640B-13, \$1325.00



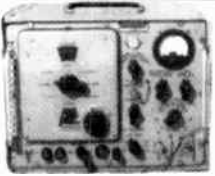
MILITARY VERSION of popular solid-state HEWLETT-PACKARD 8640B with opt 323 (AN/USM-323). Covers 500 KHz to 512 MHz AM-FM-Pulse in ten octave ranges using 6-digit LED readout; to 1024 MHz using external freq doubler (not available). Output: 0.01 uv to 2 V (-144 to +19 DBM); modulation 400, 1000, 5000 Hz. Pulse: 0.05-5 KHz. Resolution 10 Hz (0.5-4 MHz), 100 Hz (4-64 MHz), 1 KHz (64-512 MHz). USM-323 does NOT have these features: seventh 1/2 digit, X100 Expand, ext-count input, phase-lock. Mounted in transit case. Requires 103-127/207-242 VAC 48-440 Hz; 7.8x19.5 x22.4, 70 lbs. #USM-323, Used Checked w/book copy, \$995.



CALL US AT 419-223-2196 or 227-6573

24 HOUR FAX 419-227-1313

50 MHz Signal Generator



AN/URM-25 SIGNAL GENERATOR with accessories; covers 10 KHz to 50 MHz in 9 bands. Output to 100K uv into 50 ohms. Modulation 0-50% 400 or 1000 Hz; internal 1 MHz calibrator. Includes MX-1487 impedance adapter, SM-35 antenna simulator, attenuators CN-223-224, test cable & manual repro. Requires 115 VAC 60 Hz; 11.3x14x10.8, 58 lbs sh. #URM-25-UR, Used Repairable, \$150.00 #URM-25-CH, Checked, \$230.00

Dummy Antenna for URM-191 & other signal generators such as the URM-25. 50 ohm impedance. Has a female BNC connection on each end. #DA-650, Used, \$8.00

Fixed 5:1 Attenuator for URM-191 & other signal generators such as the URM-25. Has a female BNC connection on each end. #CN-1418, Used, \$9.50

Adapter Connector for URM-191 & other signal generators such as the URM-25. Has a female BNC connection on one end and a 1/4" phone jack on the other end. #35-28102-14, \$9.00

SG-376 Signal Generator

SG-376 Low Frequency Signal Generator covers 20Hz to 20KHz.

Has two variable frequency audio signal generators and two dual-frequency intermedate radio frequency (IF) signal generators. The AF and IF signal outputs are independent of each other. Generates two separate AF signals which can be used independently, one at a time, or both can be added for simultaneous use. It also generates four different, unmodulated IF signals which are available independently, one at a time, or in specific pairs simultaneously. 19x12.5x5.3, 18 lbs sh. #SG-376, Used Checked, \$260.00

480 MHz Signal Generator



HEWLETT-PACKARD 608E SIGNAL GENERATOR, best of 608-series covers 10-480 Mhz AM-CW-pulse; 1 & 5 Mhz calibration check points over range make +/-0.05% accuracy possible. Modulation 400 or 1000 Hz internal; external 20 Hz-20 KHz, 0 to 90%. Large 3.5" dia meters for Percent Modulation & Output Volts-

DBM. Requires 115/230V 50-400 Hz; 16.4x13.3x21, 72 lbs. #HP-608E-UR, Used Repairable, \$300.00 #HP-608E-CH, Checked, \$360.00

Manual repro for above, #MM-HP-608E, \$21.00

FIBERGLASS TRANSIT CASE for HP-608 generators; 30 lbs sh. #FIB-USM-44B, Used, \$46.00

H-P Microwave

HEWLETT-PACKARD, Frequency Meters, 5 lbs. Used:



G532A, 3.85-5.85GHz, \$225.00
J532A, 5.3-8.2 GHz, \$225.00
P532A, 12.4-18GHz, \$225.00
X532B, 8.2-12.4GHz, \$225.00
536A, 0.94 - 4.2GHz, \$58.00

Precision Attenuators:

J382A, 0-50dB, \$225.00; X382A, 0-50dB, \$225.00;

DIRECTIONAL COUPLERS: 2 lbs sh.

G752C, \$125, H752C, \$145,

H752D, \$145, P752C, \$115,

X752C, \$99, P8747A, \$175,

Omega 3315E, \$110.00,

UG1054/H281A, \$110.00

X910B Termination, \$23.00



Waveline 60563, \$110,

Scope Probes



OSCILLOSCOPE PROBE 250MHz. Complete probe set for measurements up to 250MHz. Attenuation: 1:1 or 1:10. Position x1 - bandwidth: DC to 10MHz, input resistance: 1Mohm (input resistance scope) input capacitance: 46pF + cap. scope.

Position x10 - bandwidth: DC to 250MHz, input resistance: 10Mohm (if scope input = 1Mohm), input capacitance: 11pF approx. Cable length 4ft. #PROBE250, New, \$55.95

OSCILLOSCOPE PROBE 150MHz. Complete probe set for measurements up to 150MHz. Attenuation: 1:1 or 1:10.

Position x1 - bandwidth: DC to 60MHz, input resistance: 1Mohm (input resistance scope) input capacitance: 90pF + cap. scope. Position x10 - bandwidth: DC to 150MHz, input resistance: 10Mohm (if scope input = 1Mohm), input capacitance: 15pF approx. Cable length 3.9ft. #PROBE150, New, \$43.95



OSCILLOSCOPE PROBE 100MHz. Complete probe set for measurements up to 100MHz. Attenuation: 1:1 or 1:10.

Position x1 - bandwidth: DC to 60MHz, input resistance: 1Mohm (input resistance scope) input capacitance: 90pF + cap. scope. Position x10 - bandwidth: DC to 100MHz, input resistance: 10Mohm (if scope input = 1Mohm), input capacitance: 16pF approx. Cable length 4.6ft. #PROBE100, New, \$34.95

INSULATED SCOPE PROBE 60MHz.

Complete probe set. Insulated for hand-held equipment. Attenuation: 1:1 or 1:10. Position x1 - bandwidth: DC to 15MHz, input resistance: 1Mohm (input resistance scope), input capacitance: 46pF + cap. scope. Position x10 - bandwidth: DC to 60MHz, input resistance: 10Mohm (if scope input = 1Mohm), input capacitance: 18pF approx. Cable length is 4.6ft. With insulated BNC connector. #PROBE60S, New, \$24.95



Alligator Clips

ALLIGATOR CLIP 10A. Solder conn. Length 2.2". Boot color black, #CM16B, 4 for \$2.00; 8 for \$3.60 Boot color red, #CM16R, 4 for \$2.00; 8 for \$3.60

ALLIGATOR CLIP. Solder conn. Length 1.7". Boot color black, #CM6B, 8 for \$3.20; 24 for \$8.40 Boot color red, #CM6R, 8 for \$3.20; 24 for \$8.40

As above but 1.1". Boot color black, #CM5B, 12 for 8 for \$3.20; 24 for \$8.40 Boot color red, #CM5R, 12 for 8 for \$3.20; 24 for \$8.40



20 amp rated Industrial Alligator clip with spiny contact by Mueller. No insulation. Unused, #AC-1868, \$1.25 each; 3 for \$3.00

Mueller Gator Clip

Mueller #27 High Quality Alligator Clamps. Rated for 20 amps. #MUE-27, Unused, 2 for \$2.50; 10 for \$10.00; 100 for \$60.00



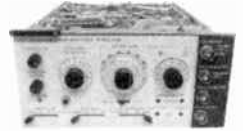
HP Analyzer Plug-In



HEWLETT-PACKARD 8553B SPECTRUM ANALYZER PLUG-IN for HP-141T main-frame; covers 1 KHz to 110 Mhz in bands 0-11 and 0-110 Mhz. IF bandwidths: 10 Hz to 300 KHz, 1-3

sequence. Scan widths on 10-division CRT: 20 Hz/div to 10 Mhz/div in 18 calibrated steps, 1-2-5 sequence. 4x8.9x13.5, 17 lbs. #HP-8553B-UR, Used Repairable, \$340.00 Manual partial repro, #MM-HP-8553B, \$23.00

HP-8552B IF Plug-in for 141T. Features video filtering, recorder outputs and an internal calibration signal to make the spectrum analyzer easier to use. Provides bandwidth/gain selection and detection. Internal calibration standard is -30dBm, 30MHz signal. 16.8x16.4x8.8, 14 lbs sh. #HP-8552B, Used operates but may need adjustment, \$460.00



HEWLETT-PACKARD 8445B AUTOMATIC PRESELECTOR. This YIG tuned filter unit is designed for use with the HP-141T Analyzer with the HP-8555A Plug-in. Suppresses harmonic mixing image and multiple responses from 1.8 to 18 GHz. Clean band sweeps of 2, 4, 6, or 8 GHz are possible depending on the band selected. N connections. Less interconnect cable. Requires 100/120/200/240 V 48-440 Hz. 3.5x16.8 x18.4, 25 lbs sh. #HP-8445B, Used Repairable, \$400.00

Test Leads



TEST LEADS. 2 test leads with protection caps. Ratings: 1000V / 15A. Length: 30" / 37". #TLM1, New, \$6.95

SET OF TEST LEADS - 2 BANANA PLUGS. 2 test leads (with banana plug) 0.16". Length: 39.4". #TLM2, New, \$1.59



SET OF TEST LEADS - BANANA PLUG / BOOTED CROCODILE PLUG. 3 test leads (banana plug 0.16" / booted crocodile plug). Length: 35.4". #TLM3, New, \$1.89



SET OF TEST LEADS - 2 HOOKED BANANA PLUGS. 2 test leads (2 hook banana plugs) 0.16". Length: 35.4". #TLM4, New, \$1.99



Test Leads with alligator clips. Each test lead is 55" long. Used in conjunction with PSM-6 and other military meters. #MX-1909, Unused, \$4.50

Red & black panel jacks f/ above. #J-19, used, \$2 per set

Jumper Test Leads



Set with 10 wires 5 colors with booted gator clips. Cable length: 20". Booted alligator clips: 1". #CM12, New, \$2.59

PLACE YOUR ORDER OVER THE WEB AT FAIRRADIO.COM

Tektronix Plug-ins

Each of the plug-ins listed below are used repairable.

Part Number: #TEK-(specify model)

- 1A1 High Gain Wide Band, \$52.00
- 2B67 Time Base, \$52.00
- 3A1 Dual Trace Amplifier, \$52.00
- 3A3 Vertical Dual Trace Differential Unit, \$87.00
- 3A6 Dual Trace Amplifier, \$52.00
- 3A72 Dual Trace Amplifier, \$46.00
- 3B4 Time Base Single Sweep Type, \$52.00
- 3B6 Sampling Dual Trace, \$46.00
- 5A15N Single Trace Amplifier DC-2MHz, \$40.00
- 5A18N Dual Trace Amplifier, \$95.00
- 5A21N Differential Amplifier, \$58.00
- 5A24N Single Trace Amplifier DC-2MHz, \$35.00
- 5A38 Dual Trace, \$52.00
- 5A48 Dual Trace, \$69.00
- 5B10N Time Base / Amplifier, \$58.00
- 5B12N Dual Time Base, \$99.00
- 5B25N Digitizer / Time Base / Amplifier, \$115.00
- 5B40 Time Base, \$69.00
- 5B42 Delaying Time Base, \$99.00
- 5T3 Time Base, \$75.00
- 7A12 Dual Trace Amplifier, \$69.00
- 7A13 Differential Comparator, \$145.00
- 7A15A Amplifier, \$69.00
- 7A16A Amplifier, \$115.00
- 7A18 Dual Trace Amplifier, \$145.00
- 7A19 Amplifier, \$145.00
- 7A22 Differential Amplifier, \$175.00
- 7A24 Dual Trace Amplifier, \$115.00
- 7A26 Dual Trace Amplifier, \$115.00
- 7B50 Time Base, \$179.00
- 7B53A Dual Time Base, \$210.00
- 7B71 Delaying Time Base, \$199.00
- 7B80 Time Base, \$145.00
- 7B92A Dual Time Base, \$229.00
- 7D15 225MHz Counter / Timer, \$229.00
- 10A2 Dual Trace Amp, \$58.00
- 11B1 Time Base, \$46.00
- 53/54K Fast Rise .05-20V/cm, \$20.00
- 72 Dual Trace Amplifier, \$52.00
- AM-6565/U Amplifier (7A15AN11), \$52.00
- B Wideband 50mv-20V/cm, \$30.00
- CA Dual-Trace DC-24 MHz, \$46.00
- D High Gain DC Differential, \$30.00
- H Wideband 50mv-20V/cm, \$30.00
- L Wideband High Gain, \$35.00
- O Operational Amplifier, \$58.00
- P Rise Time Test Unit, \$30.00
- Q Transducer-Strain Gauge, \$99.00
- Z Differential Comparator, \$99.00

Tek Plug-in Adapter



Tektronix type 81 DC-30MHz Vertical Plug-in Adapter. Allows the use of all 1-series and letter-series plug-ins with 580-series oscilloscopes. Tube type version. 12.2x5.9x7.1, 6 lbs sh. #TEK-81, Used, \$34.95

Wire Clips

144mm LONG WIRE CLIP FOR CABLE CONNECTION. Suitable for cable and 4mm banana plug. Length is 5.7". Black color, #CM23B, \$2.00 Red color, #CM23R, \$2.00

40mm WIRE CLIP. Solder connection. Length is 1.6". Black color, #CM22B, \$1.19; 3 for \$2.79 Red color, #CM22R, \$1.19; 3 for \$2.79

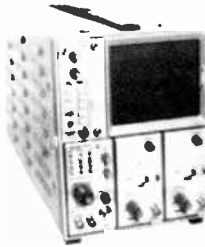
Handheld Scope w/ USB



HANDHELD PERSONAL SCOPE WITH USB, Designed by electronics enthusiasts for electronics enthusiasts! Powerful, compact and USB connectivity. The large keyboard and bright LCD makes this unit a breeze to use. 40MHz sampling rate. 0.1mV sensitivity. Ultra fast full auto set up option. High resolution LCD 192x112 pixels. LCD backlight. Data or bitmap download to PC. USB PC Connection real-time and screen capture. Includes: Worldwide charging adaptor, Insulated measurement probe x1 / x10: PROBE60S, USB cable, and Handheld Personal Scope. Drop shipped from Texas. #HPS50, New, \$279.50

TEK 7603N11S

AN/USM-281C (Tektronix 7603-N11S) OSCILLOSCOPE, modern, versatile 7000-Series scope with large 8 x 10 cm display and at least 65 Mhz response. Includes two AM-6565 (7A15AN11) single-trace and one TD-1085 (7B53AN11) dual time base plug-ins plus the 100 Mhz mainframe accepts standard Tek 7000-Series plug-ins. Vertical deflection 5 mV - 10 V/div in 11 calibrated steps, 1-2-5 sequence; vernier to 25 V/div. Sweeps: Normal, Intensified Delay, Delayed and Mixed. Rate 0.05 uS - 5 S/div in 25 steps, 1-2-5 sequence; 5 NS rate using x10 magnifier. Delayed rate 0.05 uS to 0.5 S/div in 22 steps. Requires 100-120/200-240 VAC 48-440 Hz. With book; 11.5x9.7x25.2, 52 lbs. #USM-281C-UR, Used-Repairable, \$429.00 #USM-281C-CH, Checked, \$529.00 Manual repro f/ USM-281C only, #MM-USM-281C,\$40 + + + + + ADAPTERS for USM-281C/TEK7603: ADAPTER BNC (f) -UHF (m) #103-0015, \$3.50 ADAPTER BNC (m) -UHF (f) #103-0032, \$3.50 ADAPTER BNC (m) to post, #103-0033, \$3.50 T-CONNECTOR, BNC (f-m-f) #103-0030, \$4.00 CABLE, 8 ft BNC, 50 ohms, #012-0118, \$5.00



TEK 500 Modules / Plug-ins



The TEK TM503 Power Module benchtop mainframe is a three wide power module compatible with all TM500 Plug-ins. It provides unregulated DC and AC supplies and non-dedicated power transistors for plug-in usage. 17x8.35x9, 14 lbs sh. #TM503, \$145.00

Four Wide Power Module, #TM-504, \$169.00 Five Wide Portable w/ covers, #TM-515, \$195.00

Part Number for plug-ins below: #TEK-(specify model)
 AM502 Differential Amplifier, \$225.00
 AM503 Current Probe Amp (no probe included), \$210
 DC501 Counter 110 MHz, \$229.00
 DC502 (opt. 1) Counter, \$229.00
 DC503 Universal Counter, \$149.00
 DC504 Counter / Timer, \$149.00
 DM501 Digital Multimeter, \$115.00
 DM502 Digital Multimeter, \$175.00
 FG501 Function Generator, \$149.00
 PG501 Pulse Generator, \$149.00
 PG505 Pulse Generator, \$259.00
 PS501 Power Supply, \$229.00
 SG503 Leveled Sine Wave Generator, \$575.00
 TG501 Time Mark Generator, \$575.00

****TEK 5000 Plug-in****
 FG5010 Programmable Function Generator, \$999

Personal Scope Special



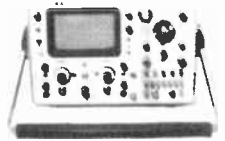
PERSONAL SCOPE 10MS/s, Complete portable oscilloscope the size and the cost of a good multimeter. Ideal for hobby, service, automotive and development purposes. Suitable for measurements on audio equipment, line voltage applications, digital signals, all kind of sensors, signal analysis in automotive applications, car stereo, etc Its full auto setup function, makes

measuring waveforms very easy. 10MHz sampling rate. 0.1mV sensitivity. Up to 2MHz analog bandwidth. 5mV to 20V/div in 12 steps. Full auto 1 hour/div time base in 32 steps. Full auto set up. Trigger mode: run, normal, once, roll, slope +/- X and Y position signal shift. DVM readout with x10 optical audio power calculation (rms and peak). dBm, dBV, DC, rms ... measurements, signal markers for Volt and Time. Frequency readout (through markers). Recorder function (roll mode). Signal storage (2 memories). LCD: 128x64 pixels / high-contrast. Requires five 1.5V AA battery or Nicd / NiMH (not incl.). Includes battery charging circuit. Drop shipped from Texas. #HPS10, New, List Price, \$229.90; Our Price, \$159.99

275 MHz Scope

HEWLETT-PACKARD

1720A PORTABLE SCOPE, DC to 275 MHz response with dual channels, large 6x10 CM display, and selectable input impedance 50 ohms or 1 meg-ohm. Modes Channel A or B, A+B, A & B alternating, A & B chop. Deflection: 5 mv-5 V/div in 10 calibrated steps, 1-2-5 sequence plus vernier to 12.5 V. Sweep: 10 ns-0.2 s/div in 23 steps, vernier to 0.5 sec and X10 magnifier. Trigger normal, auto or single. Delay sweep: 10 ns-0.1 s/div in 22 steps, vernier to 0.25 sec; delay time varies 0.02 us-2 sec. Calibrator 1 KHz squarewave, 1 V p-p. Requires 115/230 VAC 50-440 Hz, 38 lbs. #HP-1720A-UR, Used Repairable, \$490.00 #HP-1720A-CH, Checked, \$635.00



Similar except DC-150MHz, repairable, #HP-1710A,\$415 Similar except DC-100MHz, repairable, #HP-1741A,\$360

Manual repro for HP-1710A, #MM-HP-1710A, \$40 Manual repro for HP-1720A, #MM-HP-1720A, \$40

TEK 100 MHz Scope



TEKTRONIX 465M (AN/USM-425) OSCILLOSCOPE, militarized portable dual-trace unit has response DC to 100 MHz and 8x10 CM display. Deflection 5 mv to 5 V/div in 10 calibrated

steps, 1-2-5 sequence plus vernier. Vertical modes: TRIG View, 20 MHz BW, CH 1, ALT, Add, Chop, CH 2 or X-Y. Sweep 0.05 usec to 0.5 sec/div in 22 steps plus vernier; delay 0.05 usec to 50 msec/div. Inputs: 1 Megohm paralleled by 20 pf. Also X10 magnifier, adjustable handle, and manual copy. Front cover is not available. Requires 100-132/ 200-264 V 48-440 Hz; 19.2x12.8x7, 32 lbs sh. #TEK-465M-UR, Used physically OK but power supply troubles, \$300.00 #TEK-465M-CH, Checked, \$490.00 Manual for above, #MM-USM-425V, \$35.00

EMAIL US YOUR INQUIRIES AT FAIRRADIO@FAIRRADIO.COM

DC Voltmeters

Analog Panel Meter, 0-5 VDC, Scale reads 0-75 watts. 4.6" x 4.1", #251-4, New, \$16.50

FS=5 VDC, scale 0-1.5 A & 0-300 MA; 2.5" rd. #VDC-5, Used, \$7.00

ES=5VDC, 5-0.5/10-0-10maDC, 3.5" rd, #S00-5-0-5V, Used, \$18.00



DC VOLT DIGITAL PANEL METER LCD, Capable of ranges 200mVDC, 20VDC, 200VDC, and 500VDC when used with precision resistor kit #PM/RES listed below. Dimensions 2.7" x 1.7". 3 1/2-digit LCD. Requires 7 - 12V DC. Input sensitivity 200mV FS. Input impedance >100Mohm. Meter does NOT share common ground. Most people power with a 9 volt battery. Accuracy ± 0.5%. #PMLCDL, New, \$7.90

Precision Resistor Kit for use with the meter #PMLCDL. 1/2 watt 1% tolerance resistors include 9.9M, 9.99M, 9.999M, 100K, 10K, and 1K ohm. #PM/RES, New, \$1.80

Polarad Mfg. FS=150 VDC, 0-1500-5000 sc. 4"Wx3.8"H. #M4/TV-13, \$12.00



0 - 150VDC by Westinghouse. 5" round black face meter, #1101422, Used, \$14.00

0-350VDC, 3" Square white face, FS=1maDC. #MTR-1301, Used, \$12.00



Analog DC Volt Panel Meters, New, \$9.00 ea
15V, 2.4" x 1.9", #AVM6015
15V, 2.8" x 2.4", #AVM7015
30V, 2.4" x 1.9", #AVM6030
30V, 2.8" x 2.4", #AVM7030



DC Milliamps

FS=1maDC, Marked Amperes, Volts, and AC. 0-5/120/30 scale. 3.6"W x 3.3"H, Mounts in 2 1/4" hole. #2168, Unused, \$21.00

0-1 mADC Full Scale Indicated. Meter face reads 40 to 80 Hz. This is not a frequency meter. 3.5"W x 3"H. Mfg by Crompton. #AA-EXXH, Unused, \$8

0-1 mADC Full Scale Indicated. Meter face reads 0 to 3KVDC. 2.5" round. Mfg by DeJur. #265161, Unused, \$8



Analog Panel Meter, 0-1 MADC, 2.4" x 1.9", #AIM601, New, \$9.00

ES=1maDC, 100-0-100 scale, 2.5" RD, A&M Instruments. #265-097, Unused, \$16.50

1.5MADC Movement Audio Output Meter for receiver. 0-2VAC scale non-linear. Works with SP-600. 2 1/4" rd white face. #MA-1.5, Used, \$27.00

100-0-100 MA DC, 3 1/2" rd Weston 301, #MA-100-ES, Used, \$10.00

Analog DC Current Panel Meters, New, \$9.00 ea.

50mA, 2.4"x1.9", #AIM6050
100mA, 2.4"x1.9", #AIM60100
500mA, 2.4"x1.9", #AIM60500



DC Micro Amps

FS=50 UA DC, scale -30 --+150 w/ "O" center; 2.5" rd sealed. #TRC30150, \$6

Analog Panel Meter, 0-50 UADC, 2.4" x 1.9", #AIM60005, New, \$9.00

ES=100 UADC, 3.5" rd, Scale -10 to +10 %, Black face, #UA-100-ES-3.5, Used, \$8.50

20-0-100 uadc 2.5" Round panel meter by Simpson. Marked Galvanometer. #20-0-100, Unused, \$11.00

0-200 UADC 2.5" round. White face. Used, #UA-200, \$13.00

DC Amps



DC AMMETER -15 MV - 0 - +50 MV. 4.5 inch dia. mounts in 3 5/8 inch hole. Scales -15 to 500, -30 to 100, -15 to 50, -3 to 10. 3 lbs sh. #400R150B, Unused, \$8.00

EDGEWISE METER 0-8 A DC; 1.9"W x 3/4"H; #D2588, \$9.50

-ES=20 ADC, 2.5" round diameter. 20-0-20 scale. White face. Shunt not required. #ADC-20-ES, Unused, \$12.



0-150ADC & 0-75VDC Scale; FS=150MV; 2.7" x 2.3", #1921-M1031, Unused, \$8.75



FULL SCALE = 50 MV:

0-15 ADC 3.5" rd black, #ADC-15, \$10

0-500ADC 2.5" Round white face, FS=50mv. #MR26W, Unused, \$12.



Analog DC Current Panel Meters, New, \$9.00 ea.
3A, 2.4" x 1.9", #AIM603000
10A, 2.4" x 1.9", #AIM6010A
5A, 2.4" x 1.9", #AIM605000
5A, 2.8" x 2.4", #AIM705000
30A, 2.4" x 1.9", #AIM6030A, \$10.95 ea

Shunts

FS=50mv:
30 amps, 1.3x2x1.7, #SH-30, Used, \$8

High Current Weston DC Generator Shunts. 50mv. Used, minor corrosion.
400 amp 4 lbs. #SH-400, \$35.00
500 amp 3 lbs. #SH-500, \$35.00
800 amp 4 lbs. #SH-800, \$35.00
1000 amp 9 lbs. #SH-1000, \$46.00

Instrument Shunt, 1 amp at 50MV; 2 amps at 100MV. #0042261, \$6.00



AC Voltmeters

VTVM Meter 1-10 VAC scale expanded with 3.5 V centered; also 0-20 DB. 4.5" rd. #0899, Unused, \$9.50



Analog AC Voltage Panel Meters, New, \$9.00 ea.
150V, 2.4"x1.9", #AVM60150
300V, 2.4"x1.9", #AVM60300

AC Amps

FS = 5 amps AC; transformer required for indicated scale (not available):
0-150 A, 2.5" dia. #ACA-150, \$11.00

0-100-200 AC AMPS FS=5 A GE-YOKO 2.5" sq. #ACA-200, \$12.50

Various Meters

----- DB METER -----
-4-0-+6 DB 1 MW, FS= 1 MA; 2.5" rd sealed, #DBM-4-6, Used, \$5.50

--- METER ASSORTMENT ---
Seven U.S. mfg meters 2 1/2" x 3 1/2" - up; mixed odd scales, FS-100 ua and up-- no choice; 3 lbs sh. #MTR-ASST, \$14.00

- I-70 B TUNING METERS -
"Tune for Max" meter used in many WW-2 radio remote control boxes such as BC-311, BC-434 & C-4/ARN-7; 2.1x2.1 x1.6, 1 lbs. #I-70B-TM, Used, \$14.00

- ART-13 PLATE METERS -
Original PA Plate Panel Meter from the ART-13 transmitter. Full Scale equals 1maDC. 2 1/2" round. Black face. Used condition, #PMTR-ART-13, \$27

- TV-2 PANEL METERS -
TV-2 panel meters
Filament, #F-TV-2, Unused, \$58.00
Grid Bias, #GB-TV-2, Used, \$58.00
Screen, #S-TV-2, Used, \$58.00



KW Hour Meters

KiloWattHour meters 240 volt 60 Hz single phase 4 dial. Monitor power to your out buildings or campground. Removed from use, good condition. An interesting item to build into a lamp base. You could probably modify it to make in run on the lamp current. 8 lbs sh. Used.

Duncan Form 2S, Rr 138 8/9, 240 v TA 30, Kh 7.2 3W. #200CL-MS, \$35.00

Duncan MQ-S Form 2S Rr 83 1/3 240 v 60 hz 3W TA 30 12 kh. #200CL-MQ-S, \$34

Galvanometer

Used in test bridges to indicate slight variations in current; 1 mm increments:



LEEDS & NORTHROP
10-0-10 scale, sens 0.1 ua/mm. CDRX 10K ohms; 500 system res. Period 4 sec; w/ Balance "lock". Behind panel: 4"D x 1" dia; front 3"H. #18876, New, \$35.00

Frequency Meter



5 Reed Frequency Meter 380 - 420 Cycles. 100-130 Volts. 1 3/4" diameter. #15-FH-400, Used, \$14

60 / 400 HZ REED FREQUENCY METER two reeds--one 60 Hz, one 400 Hz-- vibrate when freq approached. Use a 20K ohm resistor for 115V operation. 2" dia; fit 1.5" hole. #FM-TS382, used, \$15.95



RF Thermocouple



RF Thermocouple ARC-7499 as used in RE-2/BC442 ARC-5 antenna relay. Bridge type 19.5 +/- 1.5 mv 750 ma. Use for replacement on experiments. #ARC-7499, Unused, \$7.00

Pressure Gauges



0 to 15 PSI Pressure Gauge by USG. 2.1" round with 1/8" fitting and brass coupling. #PS-15, Used, \$11.00

0-60 PSIG & 0-4 KG/CM; 2.1" rd w/ 1/2" dia fitting. #PG-60PSI, New, \$7.50



PRESSURE REGULATOR 0 - 500 PSI. Seems to be a quality unit, but no mfg. or country of origin on the unit. 2.5x1.8 x3.3, 2 lb sh. #PR-500, \$7.00

0-6000 PSI 4" dia 270 degree scale; 7/16"di fitting. O/a 6"dia. #M6000-PSI, Unused, \$19.00

Temperature Gauge

40 - 240 degree Temperature Gauge. 2 1/4" diameter. White face. Requires external sensor. #TEMP-240, \$7.50



Running Time Ind.

3 1/2" Round Running Time Meter by Cramer Division Type 635EAA. Requires 115VAC 60Hz at 2.7 watts. Reads upto 999,999 hours. Reads in one hour increments only. Does not read in tenths. 3/10 RPH. 3" depth. Comes with mounting hardware. #RTM-115, Unused, \$27.



Same as above except 440VAC 60Hz and reads upto 99,999 hours, #RTM-440, Unused, \$21.00

12VDC Counter

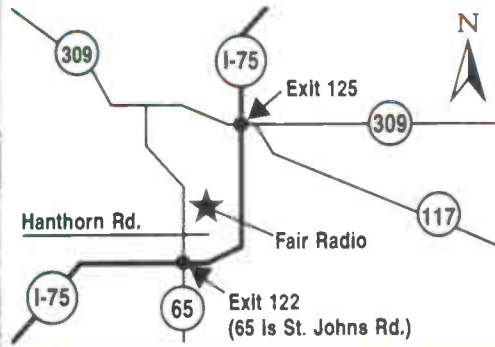
6-Digit Mechanical Counter 12 VDC nonresettable; black numerals on white. Rear mount flange; o/a 1.3"Hx1.5"Wx2.5"D, 1 lb. #E07B10DC12, New \$4.95



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JACK MOODY ***** 399 62
32900 OAK RIDGE DR APT 702
SANTA CLARITA CA 91350-2507

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5HP Industrial Motor



"Ultimate Hostile Duty" Motor by Lincoln Motors. 230/460VAC 60Hz, 3 phase, 5HP, 1745RPM, 13 amps at 230V, 6.5 amps at 460V. FR184T. 15.3x11x12.3, 90 lbs sh. #LM15638, Unused, \$289

"Ultimate Hostile Duty" Motor by Lincoln Motors. 230/460VAC 60Hz, 3 phase, 3HP, 1760RPM, 8.4 amps at 230V, 4.2 amps at 460V. FR182T. 13x11.5x11.5, Around 90 lbs sh. #LM15635, Unused, \$225

"Hostile Duty" Motor by Lincoln Motors. 200/400VAC 60Hz, 3 phase, 3HP, 1735RPM, 9.8 amps at 200V, 4.9 amps at 400V. FR182T13x12x11, Around 90 lbs sh. #LM01285, Unused, \$199.50

4 Conductor Field Wire

WF-16 Four Conductor Stranded Field Phone Wire on a DR-8 reel. Around 950 feet. Two pairs of what looks like small zip cord twisted together. One is brown and the other is gray. 9x8.5, 18 lbs sh. #WF-16, Unused, \$148.00



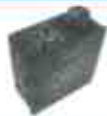
ARC-44 Radio Set



AN/ARC-44 Radio set, 24-51.9 MHz, 280 channels, FM, 6-8 watts. Provides FM comm for aircraft and for the attachment of a homing device. 14.2x7.2x5.2, 18 lbs sh. #ARC-44, Used, \$75.00

BC-606 Control

BC-606 Interphone Control Box. Part of SCR-506 and SCR-538. 4.9x4.3x2.2, 4 lbs sh. #BC-606. Unused \$35.00



10" Rotron Fan



10 Round Rotron Fan by Comair. 3 blade. Requires 24VDC 1.2 amp. 3.6" deep. 6 lbs sh. #CD24B3, Unused, \$24.95

Colinear Antenna



2.4Ghz 6DB gain Colinear Antenna with SMA connector. 15" long x 1.5" diameter. 4 lbs sh. #ANT-COLINEAR, \$19.95

Support Bearing



Support Bearing for Antenna Rotor, Provides extra support for rotator drive unit bearings. Relieves wear and tear on rotator imposed by wind loads. With mounting hardware. 5x4.2x4, 4 lbs sh. #TB-105, New, \$18.46

See page 10 for the listing of the U-105 Rotor.

Timecode Display

Remote Large 2' LED IRIG-B Timecode Display 2U by Datachron. 8 segment. Two BNC jacks on the back marked "Code In" and "Code Out". 19x14x3.6, 12 lbs sh. #3700-144, Used, \$149.50



As above except six segment display. 19x14x3.6, 12 lbs sh. #3700-143 Used \$124.95

TV-7 Test Data



Test Data for TV 7/U Tube Tester, High quality reprint of the test set-up manual for the military TV-7, A, B, D/U, versions of Hickok tube testers, normally supplied in the lid of the tester. Also contains operating instructions, conversion table for Army VT numbers, and data table for CV type tubes. 83 pages, 1 lb sh., 6.75" x 5.35", #TV7-DATA, \$9.50

Dipole Antenna

AT-566 Dipole Antenna covering 400 to 600MHz. Part of TRC-24. Type "C" connector. 9.9x9x3.5, 4 lbs sh. #AT-566, \$19.99



Dummy Antenna Load



Wireless Set 19 Dummy Antenna Load WS19. With Mueller gator clip. 5.5x0.8, 2 lbs sh. #76418-191, \$15.00

VHF Aircraft Receiver

51RV-1 VOR/ILS Collins VHF Aircraft Receiver. Receives VOR, localizer, and glideslope signals and convert the information received to operate deviation, flag, and to-from indicators. 16x7.7x5, 24 lbs sh., #51RV-1, Used, \$149.50



Manual repro for 51RV-1, #MM-51RV-1, \$35.00

Vernier Dial



Velvet Vernier Dial. Accepts 1/4" diameter shaft. Comes with separate 25 to 200 non-linear dial plate. #VERNIER-1, \$15.00

Bag for PRC-10

Accessory Bag for the PRC-8,9,10. Holds the AT-272, AT-271, and H-33. #CW-216, Used, \$20.00



800 Watt Inverter



800 Watt DC to AC Inverter, 800 Watts Continuous - 1600 Watts Peak Power Inverter. Input Range 10-14.4VDC. Features low voltage Alarm, low voltage Cut-Off. 2 AC Receptacles.

Direct to Battery Cable with Clips. Thermal Shut-Down. Reverse Polarity Protection. Dimensions 2"H x 4.25"W x 9"D. Limited Quantity. Made by CobraE. New, #CPI-850, Retail \$89.95, On Sale Now, \$44.95

Bourns Potentiometers

BOURNS type 3500. Bush mounted, 10-turn precision wirewound potentiometers. ±3% Tolerance. 2 Watts. 1/4" shaft.



500 ohm with large counter, 2.1x1.7, #3500-L500, \$10
5K ohm with large counter, 2.1x1.7, #3500-L5K, \$10
100K ohm with small counter, 2x1, #3500-S100K, \$10
200K ohm with small counter, 2x1, #3500-S200K, \$10
250K ohm with small counter, 2x1, #3500-S250K, \$10
500K ohm with small counter, 2x1, #3500-S500K, \$10

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CATALOG WS-88

VIDEO DISC PLAYERS

RCA VIDEO DISC PLAYERS with CED (capacitance) pick-ups; plays video discs like record player plays records. These are the "technological losers" to VHS video because they "play" only--no recording--and they must be "flipped" to Side 2 for complete play.



However, LOW PRICE may outweigh disadvantages for those who want a cheap video player. Some disc movies available (see below). Units removed from service and sold as "used-operational, but adjustments may be required"; approx 6x17x16, 24 lbs sh.



#SJT-090, Autoload, Fast Forward, Pause; \$40.
#SGT-100W, FOR REV for "Rapid Access" & "Visual Search"; Pause, manual loading. \$43.50
AS-IS, NON-OPERATING VD PLAYERS for parts or for experiment. Each have video boards with house-numbered IC's including MPU, stepper and turntable motors, DC supply, xtals, etc.
#NC-SJT-090, more IC's, 22 & 10 V supply, \$20.
#NO-SGT-100, 22 & 7.7 V power supply, \$22.50



We have some "used" movie video discs as recent as 1985. Because they are used, discs may have occasional "blip-skips" in the video. If the customer finds a disc's condition intolerable, customer must notify us within 10 days or intent to return for exchange. WRITE for list or call to check for title availability. Quantities limited! 2 lbs sh. Used, \$10 ea; 3 for \$25.
• TWO-DISC MOVIES. \$15.00 ea; 2 for \$25.00 •

UHF TUNER

UHF CHARACTER TUNER, covers 450-900 MHz; use for TV repair or modify for scanners, etc. Approx 47 MHz IF output; 300 ohm ANT input, 50 ohm OSC out. Requires +15 (B+), 3-10 (AGC) and 0 30 VDC (tune). 3.5x3.5x1, 1 lb. GE #EP85X66, unused, \$5.95



VIDEO ZOOM LENS

MAMIYA SEFOR VIDEO CAMERA ZOOM LENS, manual adjust 14.5 to 51 mm f1:1.8 plus MACRO position. Focuses from 4 feet to infinity. Good experimenter item. On 2.3x3.3 bracket; 4.3" long, 2 1/8 sh. #V2L 1452, unused, \$22.95



VARIABLE DENSITY FILTER for binocular lens; coupled density control on both lenses. Distance between lens centers varies 1.5"-3.1"; each threads onto 1.3" dia barrel. Made for U.S.N. #VD FIL, unused, \$4.95



12 VDC MINI-PUMP

12 VDC IMMERSION PUMP, probably from auto/RV market; 3/8" dia outlet moves about 1 gallon/minute. Operates on higher voltages with increased flow rate for short periods: @ 24 VDC, 1.5 gal/min; @ 30 VDC, 2 gal/min. For non flammable fluids only because fluid flows thru motor acting as lubricant. Use in fountains, solar water or science fair projects. 4" L X 1.5" dia, 2 lbs. #HAR-12V-IMP, NEW, \$5.95; 2's \$10.



WW-11 VEHICLE RADIO

BC-659 TRANSCEIVER, late WW-2 vehicular radio; transmits and receives on two preset channels over 27.0 to 38.9 MHz Fr. Transmitter output: 1.3 W. Set has tuning meter speaker, and tubes 5/1LN5, 2/3B7, 4/3D6, 1LH4, 1LC6, and 1R4. Uses FT-241 crystal-type (not included) and requires 1.5 VDC 0.94 amp, 90 VDC 48 ma, 7.5 VDC 300 a, and 150 VDC 50 ma. Size: 12x16.5x21.5, 40 lbs sh. Used-not checked, \$65.00 MANUAL for BC-659 (SCR-609-610), \$10.00



PP-114 VRC-3 VIBRATOR POWER SUPPLY, provides voltages for BC-1000 WW-2 backpack transceiver in vehicular use from 6, 12, or 24 VDC input Clamps directly to BC-1000; with 9' DC cable; 5.5x12x9.5, 35 lbs. Used, \$65. MANUAL for PP-114, partial repro, \$8.00



TEK 453 SCOPE

EKTRONIX 453 PORTABLE SCOPE, solid-state DC to 50 MHz dual trace unit with 6 x 10 division CRT. Sweep 0.1 usec to 5 sec in 24 calibrated steps in 1 2-5 sequence (Channel A) or to 0.5 sec (B). Sweep delay 0.2 usec-50 sec. Vertical sensitivity 5 mv to 10 V/div in 11 steps. Input impedance 1 megohm shunted by 20 pf. Horizontal deflection 0.1 usec to 5 sec/div (A), to 0.5 usec (B). Amplitude and Time Calibrator 1 V, 0.1V and 5 ma at external jacks. Also Automatic or Normal Trigger, X10 Magnifier and Beam Finder. Requires 90-136/180-272 V 48-62 Hz. With partial reproduction of book but Less front cover. 7.1x12.5x20.5, 35 lbs. Used-repairable, \$350. Checked, \$475.



LAMBDA SUPPLY

LAMBDA REGULATED DC SWITCHING SUPPLY, output 24 VDC 6.5 amps @ 60 C from 95-132 VAC 47-440 Hz input. Regulation +/-0.1%; output adjustable +/- 5%. Rugged enclosed modular design; with book. 4.9x2.4x8.5, 5 lbs. #LRS-53-24, NEW, \$9.95



EXELON DC REGULATED SUPPLY, 5 VDC 3 amp and 12 VDC 0.1 amp output from 115/230 VAC 47-63 Hz input. This is not switching-type. L-mount; 5x5.3x2.8, 4 lbs. #PS-1545, unused, \$9.95



400 W AM TRANSMITTER

T-368/URT TRANSMITTER, 1.5 to 20 MHz @ 450 watts CW, 400 watts AM. Has master oscillator, frequency multiplier, exciter with 6000 tube, and final power amp. 4-400A tube in P-A and two 4-125A's in the modulator; 1500 pf and 300 pf 10 KV vacuum variable capacitors for P-A tuning. Input levels: 3-5 volts FSK, 30 V max ext-excitation. Input impd: 56 ohms FSK, 1000 ohms external. Requires 115 VAC 50-60 Hz 1570 W (CW), 2200 W (AM). 41.5x32x31, 650 lbs net; 800 lb sh. Used-good condition but not checked, \$595. OPERATOR'S MANUAL, \$7.50 MAINTENANCE MANUAL, partial repro, \$15.00



ORDERING INFORMATION SEE PAGE 2

MINIMUM ORDER \$5.00

Fair Radio Sales Co.

P.O. Box 1105 - - 1016 E. Eureka St.
Lima, Ohio 45802 419-223-2196/227-6573
24 Hr. FAX 419-227-1313


CATALOG INFORMATION

This IS the only catalog we will issue this year. A supplement will be sent in the Fall.

FAIR RADIO SALES CO., INC.


1016 E. EUREKA, BOX 1105, LIMA, OHIO 45802
TELEPHONE: AREA CODE 419 227-6573

MODUTEC




MODUTEC METERS. 3"wx2.25"H
#MOD 25-0-25 VDC. \$5.95
#MOD 10-0-10 amp DC. \$6.95
MATCHED SET of above. \$11.


WATER TEMPERATURE METER, 3" dia with 20-240 F expanded scale. w/6 ft copper capillary. #261-9858, NEW \$14.



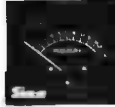
LP-GAS METER, 0-1 VDC full scale. Mounts in 2" dia. hole. Chrome finish #48560-2, \$1.50 ea.



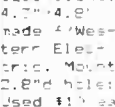
DC AMMETERS by Mercer Electronics, 3 1/2 x 3 1/2; fits in 2 1/2" dia hole. FS-50 MV; NEW. 0-300 ADC \$7.95 0-800 ADC \$7.95




0-50 KV DC & 0-20 VDC scale FS-1 MA DC; 4 1/2 x 4 blk face. Mercer Elec mfg. NEW #MER-50KV-20V, \$2.95



WESTON 1941 or Triplett equivalent: 4.7" x 4.8" made at Western Electric. Mount 2.8" dia hole; Used \$10 ea. Spec: 4" scale; 0-100 VDC. 0-5 ADC FS-5 0-50 MV; 0-50 amp DC. 0-200 ADC 0-500 ADC




CLEAR PLASTIC METERS, 2-3/8" sq. fit 2-1/8" dia. hole. EMI mfg. Unused. #D1145-2, 0-5-50 MADC, FS-5 made, \$4.95



MICROMHOS DYNAMIC MUTUAL CONDUCTANCE USED IN I-17 TUBE CHECKER BASIC 0-1.4 MA. HICKOK #M547A STK# 3F1350 \$4.95



TV-2 REPLACEMENT METER, 0-200 SCREEN VOLTS. FS-1 MA. 2 1/2" RD. ENTLED. NEW \$8.95



DECIBELS

-20-0 and -15-0-+5 DB 3.5" dia blk face; FS-100 ua. \$6


-12-0-8; DB 100 ua=FS 3 1/2" RD. BLK. RUGG. WAC4586 N \$7.95

-15-0-+6 DB. FS-1 ma; 0-1 MW/600 . 2.5" rd sealed \$6.

OTHER VALUES IN STOCK, WRITE


POWER SET #6 TO 0 TO-3 2 1/2" RD. FS-200 UA, WAPLINE 1496/400 RUGG/SEAL U \$3.95

ANTIQUE 0-10 A DC TEST METER with mirrored 3" scale and terminal posts; Westinghouse PX-14. 5.3x4.3 x1.5. 4 lbs sh. Unused, \$18.95




47-84 METER ASSORTMENT, five U.S. mfg meters 2 1/2"-3 1/2"-up; mixed odd scales, FS-100 ua and up—no choice \$10/assat

PRESSURE METER 0-30-60 in increments of 10; electrical type as used in mill-vehicles. 2 1/2" dia O.D. green rim; #6620-514 -4662, unused, \$4.50 ea



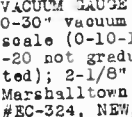
OIL PRESSURE. 0-50 increments of 2; 2.5" rd, off-white face. #4250 NEW \$4.




ROENTGENS PER HOUR METER 50 MICROAMPERE D.C FULL SCALE 3 1/2" RUGGEDIZED REMOVEABLE PLASTIC LENSE, BLACK FACE. TOP SCALE 0-500, LOWER 0-10 #300-10764 UNUSED \$4.95



BALLENTINE V.T.V.M. METER ONLY AC VOLTS 1-10 DECIBELS 0-20 WESTON 643 4 1/2" OR EQ. MFG. PT. NO. 205007 NEW STK#6625-557-0899 \$8.95



VACUUM GAUGE 0-30" vacuum scale (0-10-15 -20 not graduated); 2-1/8" dia Marshalltown mfg #BC-324, NEW, \$4.50



ME-68/IRC-14 0-200 UA meter consists of 1 1/2" dia meter in rubberized housing w/U-77 plug on rear. Meter easily removed. 3 1/2" dia; NEW \$5.

Other SMALL METERS, 1 1/2" sq sealed types; used, \$6 ea: #20UA10 0-20 so FS-200 ua. #6719 -20-0-+20 so FS-1 ma. #2/618S, 0-10 scale FS-2 MA white face; used.


#BA/T195, FS-25 ma, 0-500 scale; black face, used.

#ME/GRC, FS-1 ma black face; p/o RT66-7-8, used.


RUNNING TIME

ENGLER 3.5" rd 6-place to 0.1 hour; 120 VAC 60 Hz. #AC-200-10N. used \$7.95

GENERAL TIME 2.5" rd. 220 V 50 Hz; unused \$8.



AC CURRENT TRANSFORMERS for AC ammeters with FS-5 amp movements: #IA-20053, 200 A 5 VA 50-125 Hz; 3.7" d, \$8. #GM-1010, 200 A rated 600 V 2.7" dia, 2 lbs sh. \$8.95 WESTON 607 500/5 ratio, 25-800 Hz, 5 VA @ 60 Hz; 4.6x 4.6x1.6; 3 lbs. NEW, \$20.



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When writing for information PLEASE state what specific information you desire.

DESCRIPTIONS
ALL MATERIAL OFFERED IN THIS CATALOG IS IN "USED-COMplete" CONDITION, UNLESS QUALIFIED AND/OR NOTED AS "RECONDITIONED," "UNUSED," OR "NEW."
MERCHANDISE IS NOT OPERATIONALLY CHECKED UNLESS SPECIFIED AS "CHECKED."
EQUIPMENT DESCRIBED AS "REPAIRABLE"—MEANING "ABLE TO BE REPAIRED"—IS ELECTRO-MECHANICALLY COMPLETE, BUT REQUIRES SOME TROUBLESHOOTING BY THE CUSTOMER.

AC VOLTMETERS

FS-150 VAC. no scale; red line 120 VAC. 3.5" rd. \$8.

0-8 VAC, 3 1/2" rd; various manufacturers, used \$6.95

0-10 VAC 2 1/2" rd. \$4.95 3 1/2" rd or sq \$5.95 var.mfg.

0-30 VAC 400 Hz 3 1/2" rd; Weston 476, unused, \$5.95

30-150 VAC 60 Hz, various mfg: 2 1/2" rd., used, \$6.95


0-8 VAC, 3 1/2" rd; various manufacturers, used \$6.95

0-10 VAC 2 1/2" rd. \$4.95 3 1/2" rd or sq \$5.95 var.mfg.

0-30 VAC 400 Hz 3 1/2" rd; Weston 476, unused, \$5.95

30-150 VAC 60 Hz, various mfg: 2 1/2" rd., used, \$6.95

SIMPSON 4.6" W x4.1" H LIMIT-SET METERS removed 1/equipment, \$9.95 ea #SSI-6413. FS-1 MA, 0-10/0-30 VDC indicated; upper & lower limits. #M101/CP95. FS-100 UA, 0-200-600 Roentgens indicated; upper limit set only.



AC AMMETERS

0-150 AC AMMETER. FS-1 amp AC; 3.5" rd. Unused, \$9.95

0-125 ACA FS-5 A for 400 Hz; 3 1/2" rd. Hickok \$9.95

3.5" ROUND AC AMMETERS, full scale indicated scale. U.S. mfg. UNUSED:

0-75 ACA, \$12

0-125 ACA Triplett 331, \$14

0-120 AC amp, FS-3 ACA, \$8.

D.C. MILLIAMPS, D.C. VOLTMETERS

FS-1 MADC, 0-1.0-50 scale, 3 1/2" rd clear case; Used \$5.

0-3 MA-DC, 3 1/2" rd. sealed. #4081, unused, \$6.95

0-15 DC MA, 3 1/2" rd sealed; various mfg. Used, \$5.95

0-100DCMA 100MA. MOVE. 3 1/2"RD.RUGG. #4265 N \$6.95

U-500 MA DC, 3.5" round; various mfg. Used, \$7.95

0-200 DCMA SC. 2 1/2" RD.Used #MR25200DCMA \$3.95

0-200 ma dc, 3 1/2" rd, various mfg. Used, \$5.95

0-25 MA DC, 2.5" round. various mfg.. Used, \$5.95

FS-1-0-1 MA, 100-0-100 indicated; 3.5" rd. NEW \$6.95

0-300 MA DC, 3 1/2" rd, clear plastic case. Used \$5.95

0-800 MA DC, 3.5" round; various mfg. Unused, \$6.95

0-50 MADC, 3 1/2" rd., various mfg., used, \$6.95

100-0-100 MA DC, 3 1/2" rd Weston 301; Used, \$5.95

D.C. MICROAMPS

0-200 UADC 3 1/2" rd, various mfg; used, \$5.95

0-200 UADC and -8-0-+6 DB, 2 1/2" rd. sealed, new, \$4.95

FS-500 UA, 0-5-10-20 P-volt scale; 2.5" rd. Used, \$4.95

0-100 UADC, 2 1/2" rd sealed; various mfg. Used, \$4.95

50-0-50 UA movement, 0-9 scale; 2.5" rd sealed, \$6.

50 UA MOVEMENT, SCALE -30, 0, 150, POINTER AT ZERO, SEAL ED, 2 1/2 RD USED TRC30150 \$4

DUAL SCALE 0-3.5-140 VDC. push button for Hi range; 2.5" rd Weston 506. \$6.95

0-1000 VDC FS-1 ma, 4"x3.5" Honeywell MS3T. Unused \$10.


R.F. AMMETERS

0-10 ANTENNA CURRENT. 2.5" rd w/thermocouple. \$8.95

ART-13 0-5 ANTENNA CURRENT, FS-250 ma; external transformer coil not available; 2 1/2" rd black face. Used \$5.

0-100 RF MILLIAMPS with external thermocouple; 2.5" round GE DW-52. Unused, \$8.

2.5" ROUND BLACK FACE RF AMMETERS: 0-3 RF A. \$8.95 0-8 RF A expanded scale w/6 RF A midpoint \$10.95




DC AMMETERS

FS-100 UA METER with non-linear SWR and 0-20 W scales; 2-3/8" sq face 1/2" dia hole. #SWR-020, NEW \$4.95

FAN-SHAPED METERS, plastic w/ zero adj. 3" top 2 1/2" bottom; 3" H. Fits 2" dia. hole. EMI mfg. Unused.

#M1-5 VDC. 0-5 VDC. \$5.95



DC AMMETERS, FS indicated: 0-3 ADC, 3.5" rd NEW \$7.95 20-0-20 ADC, 3.5" rd, \$10. 0-20 ADC, 2.5" rd, NEW \$9. 0-25 ADC, 2.5" rd, NEW, \$8. BATTERY CHARGE FS-10 A, 6 A redline; 2.5" rd. Unused \$4


0-15 AMPS DC FULL SCALE, 2-3/8" square; 2-hole flange mount 3-3/16" across. EMI #D2877, NEW, \$6.95 \$4.95

WESTON ELECTRIC 3 1/2" round clear; plastic case; used: 0-10 ADC \$10. 0-15 ADC \$10. 0-15 ADC, 3.5" rd surface mount; GE DO-40, new, \$8.95

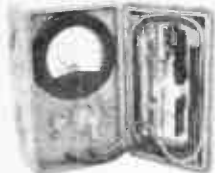
DC AMMETERS, FS-50 mv: 0-200 ADC 2 1/2" rd NEW \$6.95 0-1500 ADC 3 1/2" rd used \$7.

DC DUAL SCALE. 0-150 ADC/0-75 VDC FS-150 mv; zero adjust. 2.5x2.8, #JB-15075 NEW \$5.95

0-1 PLATE AMPS 3.6"wx2.5"H Jewel 83T for Drake. Exposed shunt coil can be changed to alter scale. #O-1PA-J83T, NEW \$6.



ME-77 VOLT-OHMMETER



ME 77/URM 105C VOLT-OHM-METER handy portable meter in ruggedized plastic case has 0-10-100-100 VDC (20KA/V) and VAC (1KA/V) ranges; resistance 0-2K-20K-200K-2M-20M ohms. Response 30 Hz-10 KHz; has 3.5" dia FS-50 microammeter. Possible measurements to 100 amps DC using MX-1471 shunt and to 50 KV DC using MX-2005 multiplier (neither available). Requires two AA batteries (not included) for X1-X10-X100 ohm scales; 22.5 VDC battery (not available) for X1K-X10K ohm scales. With test leads and alligator clips; 6.6x4x3. 3 lbs sh. Unused, \$22.95

40 FT ALUMINUM MAST SET



AB-86/GRA-4 ANTENNA MAST GROUP, portable set forms 40 foot mast when the sixteen AB-85 36"x1.6" dia mast sections are stacked. Also includes 4 each guy ropes MX-381 (40'), MX-382 (31'), MX-383 (50'); 5 ea guy stakes and MX-378 guy rings; plus 1 ea MX-384 insulator base, AB-154 swivel mast base, MX-516 140' halyard, EP-12 counterpoise, HM-1 hammer, W-128 wire, and MX-857 adapter which allows additional 15 ft of height by use of MS-116-117-118 mast sections (not supplied). Set is contained in MX-1116 frame. 85 lbs sh UPS in 2 pkgs). Used-excellent, \$125.00

DOLLAR DAZE

PLEASE ORDER BY NUMBER. Unit prices only as indicated. Look for more DOLLAR DAZE throughout this catalog.

- 45-85 JAG 1 amp FUSES 10/1; SLO-BLO 3AG 1 amp. 10/1 \$1.25; In-line FUSEHOLDERS for 3AG, 5/1
- 41-81 LOUD BUZZER HORN as used in smoke alarms; 2" dia x 1 1/4". 6 VDC \$1.25 ea; 12 VDC \$1.35 ea; 115 VAC \$1.45 ea

- 46-86 DRILL BITS for PC board work; 1/8" shanks. Specify size #59 or #75. 2/\$1.50; 10/45 (one size).

- 43-83 FINE CORD, 3-conductor #18 gauge as on appliances; 6 feet long, white. NEW, 3 for \$1.25

- 23-77 BRASS COUPLINGS for 3/8" dia. x 3/4" long shafts. 3 for \$1.00

- 48-87 PHONE MODULAR SPLITTER, fits wall mod jack; adds 2nd outlet for computer or answer machine. \$1.95 2/93

- 50-88 Miniature LEVEL METER, FS=100-0-100 microamp; 7/8" sq., flange mount 1-3/16" o.c. \$1.50 ea

- 49-87 MILTON BRADLEY TOY HEADSET w/boom mic--NO receiver elements; 6 ft cord & mini-RCA plug. NEW \$1.50

- 42-82 RUBBER EQUIPMENT FEET 1 1/8" dia rubber with 1"L #1x20 bolt; w/o nut. 8/\$2.00

- 47-86 RUBBER EQUIPMENT PADS, 5/16" dia self-adhesive; 40 per sheet. 2 sheets for \$1.50

- 33-79 SPEAKER, 3" dia 8 ohm 3/4 W or similar. NEW, \$1.00

1 KW POWER AMPLIFIER



T 605/ARC 58 TRANSMITTER, functions as 1 KW nominal PEP (400 W PEP AM-SSB-Tone) 2-29,999 MHz linear amplifier when used with R-761/ARC-58 receiver which supplied 0.2 watt PEP input drive. Will operate as 1 KW linear with any 0.2 W input. Two stages of amplification using three 4CX250 tubes in P-A and tuned by servo amplifiers and motors. T-605 requires some frequency band information from a separate control box or panel that operator must provide. Also requires 115 V 400 Hz 3 phase for power supply which has output 2000 VDC 500 MA, 400 VDC, 27.5 VDC, 6.3 VAC, -40 to -80 VDC and 115 V 400 Hz 1 0 for servo motors. With tubes 2/6CL6, 5896, 3/4CX250. 7.8x10.25x24, 55 lbs sh. Used, \$325.00 Connector for T-605/ARC-58, \$5.00 SCHEMATIC for T-605, \$4.00 w/est purchase.

C-3141/TRC-75 CONTROL BOX for T-730/TRC-75, ground version of T-605 above. Provides On/Off, Channel and Mode selection, Gain control for the receiver and transmitter units of the TRC-75 system and appears to be usable with ARC-58 equipment. (Control box schematics essentially the same.) Requires 27.5 VDC. 5.3x5.8x7.8, 6 lbs. Used, \$29.95 CONNECTOR for C-3141 control, \$5.00. SCHEMATIC f/ C-3141 or C-1939/ARC-58, \$2 ea

1 KW COLLINS COUPLER



CU 714/SRA 22 AUTOMATIC ANTENNA COUPLER, Collins 180T-2; operates from common 115 VAC 50-60 Hz power and usable with 2-30 MHz transmitters having 500 watts average output or 1 KW PEP. 50 ohm input impedance; matches 35 ft whip antenna or 35 ft min. long-wire. Major components motor-driven vacuum capacitor UC5L-465-5, variable ribbon inductor, and blower in cast aluminum cabinet with large lead-in insulator on rear. Originally used with separate control unit (not available). DC output provided for monitoring capacitance and inductance. 11.5x18.9x20, 46 lbs. Used-complete, but not checked, \$149.50 MANUAL, part-repro, \$12. SCHEMATIC only, \$4.

CU-714 "AS-IS" LESS CABINET, some units of above antenna coupler available "damaged" with broken connectors and external corrosion. Because less cabinet, they are less blower and lead-in insulator. "As-Is" units have good UC5L-465 & ribbon inductor. 8x6.8x15, 18 lbs sh. #CU714-DLC, \$99.50

12 VDC LAMBDA SUPPLY

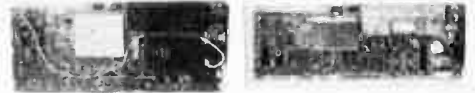
LAMBDA DC REGULATED POWER SUPPLY, supposedly a special cold environment (-40°C) version of LNS-P-12 with reduced output of 12 VDC +/-5%. 5.0 amps @ 71°C from 120 VAC +/-10% 60-100 Hz input. Because schematic differences are minimal, we "loaded" the supply and found it to have nearly the same output as the standard LNS-F-12 output of 7.3 amp @ 71°C or 14 amp @ 40°C. Regulation 0.1%; screwdriver Voltage Adjust. Can be rewired for 215-254 VAC input; 11x4.5x4.4, 16 lbs sh. #LNSP12-8182, NEW w/book, \$45.00

UHF BROADBAND DIPOLE



AT 803/VR CENTER FED BROADBAND VERTICAL DIPOLE ANTENNA for 225-400 MHz; p/o VRC-24/TRC-68 UHF radio equipment. Female N RF connection; 9.3"Lx2.3" dia, 3 lbs sh. Used, \$15.

COMMODORE MOTHERBOARDS



#VIC-01981 #VIC-01983 MOTHERBOARDS for COMMODORE VIC-20, the ever-popular 5K memory color computer which still has a dedicated following. All components intact. "Some worked, some didn't" when we powered-up a sampling and so we are selling them "AS-IS." Good source of spare parts or, if you a gambler, the basis for cheap computer; 3 lbs sh. Two versions to choose: #VIC-01981, eleven 2114 RAM; 9 VAC req \$14 #VIC-01983 with two M58725 2Kx8 RAM or equal; requires 9 VAC and 5 VDC, \$13.50



COMMODORE E-64 MOTHERBOARD from the EDUCATOR, a 64K memory computer made by Commodore for the "school" market; same as 1982 version of C-64 motherboard. Units DO HAVE the expensive-to-replace support IC's such as two 6526's, 6510, VIC, RAM, ROM and others. They DO NOT HAVE the RF modulator, video ROM, SID, power switch (or power input socket) and some misc components. Requires 9 VAC and 5 VDC. Buy for spare parts or for experiment! 3 lbs sh. #HB-E64, AS-IS, \$24.95

COMMODORE C-16 KEYBOARD, originally p/o the C-16 computer--a short-lived transition computer between the VIC and C64. By switching a few wires, it will work with VIC on most keys. Change info included. 5x15x1.5; 3 lbs sh. #KB-C16 \$3. (If purchased w/VIC board \$1.50)

COMPAQ SWITCHERS



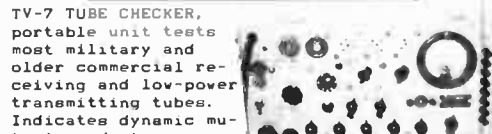
COMPAQ SWITCHING POWER SUPPLIES from the most successful IBM PC clone; removed from equipment. "AS-IS, not tested" (but cheap!); \$5.95 ea, 2/\$10. #COMP-PS-1982 from early portable; outputs +5, -5, +12, -12 VDC. 7.4x5.4x2.4, 3 lbs. #COMP-PS-200W, later 200 W supply w/outputs +5, -5, +12, -12 VDC; 9x6x2, 4 lbs.

9.5 VDC ADAPTER



AURORA TOY WALL TRANSFORMER, changes 120 VAC to 9.5 VDC 350 ma output. 6' cord with slide lugs; 2 lbs sh. #AUR-95V34VA, 2/\$6.00 2/\$4.00 CERVCO AC ADAPTER, 11.5 VDC 175 ma output; 6' cord w/o lugs. #CER-11.5V, 2/\$4.00 2/\$3.00

TV-7 TUBE TESTER



TV-7 TUBE CHECKER, portable unit tests most military and older commercial receiving and low-power transmitting tubes. Indicates dynamic mutual conductance, emissions, gas, noise, and shorts. Test sockets for octal, loctal, 4-,5-,6-,7-pin, 7- and 9-pin miniature, acorn, flat and round subminiature tube base sizes. With tube test data book. Requires 115 VAC 50-1000 Hz. 6.3x8.5x15.8, 22 lbs sh. Used-repairable, \$45.00; Checked, \$75.00

RG-213 & RG-214 COAX



High quality coax lengths which substitute for popular RG-8 cable. Each with type "N" connections; unused AT&T surplus; #RG 213-15, 15 ft. length of RG-213; 5 lbs sh. \$8.95 ea, 2/\$16 #RG 214-45, 45 ft. of RG-214 with silver-tinned conductor and double shield for superior performance; 15 lbs. \$24.95 ea, 2/\$45.

R-1511 RECEIVER

R-1511/GR HF RECEIVER, 54 to 54 MHz AM in six bands. Looks like and has the "front end" electronics of Hammarlund SP-600 but the IF and demodulation circuits are transistorized and unique to the R-1511. Has 13 PC boards including Video Channels A & B, Panoramic Amp (IF out), and Narrow Band Monitor/Metering Circuit all with separate outputs. (We measured "Narrow Band" to be 40 KHz to the phone jack!) Besides tuning controls, front panel has RF Gain, AGC On/Off, Marker Control, BFO (non-adjustable), dimmer, and 0-100 db Video Level meter. Rear jacks for PAN out, Ch A, Ch B, Wavetrace, Ch A CONV/FLT, Ch B CONV/FLT, ANT, and VFO Monitor. Might be worthwhile to modify this radio with some inexpensive ceramic 455 KHz filters; no further info. Requires 115/230 VAC 60 Hz; 10.5x 19x17.5, 70 lbs sh. Used-reparable, \$150.00

VACUUM CAPACITOR

RF VACUUM VARIABLE CAPACITOR ASSEMBLY, consists of UC5L-1000 7-1000 pf 3 KV max vacuum variable with 28 VDC drive motor and gear assembly. Will run on 6 VDC and up. 8x6.8x3, 7 lbs sh. #C501/180L, used, \$69.95

RIBBON INDUCTOR

VARIABLE RIBBON INDUCTOR with motor drive; p/o Collins 180L antenna tuner. Consists of two 5.4" L x 3.375" dia coils with 288" of drawn silver ribbon (0.125" W x 0.01" th) wound between; approx 28 uH. Ribbon is transferred from one coil to the other as a 28 VDC motor turns both. O/a 9.3x5.8x5.8, 10 lbs sh. #L401/180L, used, \$34-95 \$29.95

GM MOBILE MIC

GM DELCO MICROPHONE for mobile communications; black with push-to-talk button switch, coil cord, and 5-pin male connector. Mic 3.3x2.3 x1.8, 2 lbs sh. #GM-DEL-MIC, NEW, \$7.95 ea

SURVEILLANCE RECEIVERS

6175F SURVEILLANCE RECEIVER, 20-260 MHz AM-FM-CW in bands 30-90 and 60-260 MHz; IF's 0.455-2.5-21.4 MHz for bandwidths 10-40-300 KHz. Sensitivity 1 uv (AM), 2 uv (FM) min. @ 10 KHz bandwidth. Also controls BFO, AF-RF Gain, Squelch, CORG Sens, Fine Tune, Nu-vistors 17/7587, 6/6CW4, 2/7077; some transistors. Requires 115 VAC 60 Hz; 24 VDC for lights. No further info; 4x18.3x17.5, 2 lbs. Used-operational/not to specs. \$325. \$265.

3156C RECEIVER, companion to 6175F except 235-1000 MHz AM-FM-CW in bands 235-500 and 450-1000 MHz; 40 and 300 KHz bandwidth. Used-operational/not to specs. \$400.00

R-648/ARR-41 RECEIVER

R-648/ARR-41 RECEIVER, 190-550 MHz AM and 60-260 MHz AM-FM-CW in five bands. Mechanical digital-type tuning in 1 KHz steps; 500 KHz final IF; mechanical filters 1.4 and 5.0 KHz. Controls for BFO, Sensitivity, Broad-Sharp Volume of CW, and Dial Lock. With tubes 6X4, 6X5, 6X6, 6X7, 6X8, 6X9, 6X10, 6X11, 6X12, 6X13, 6X14, 6X15, 6X16, 6X17, 6X18, 6X19, 6X20, 6X21, 6X22, 6X23, 6X24, 6X25, 6X26, 6X27, 6X28, 6X29, 6X30, 6X31, 6X32, 6X33, 6X34, 6X35, 6X36, 6X37, 6X38, 6X39, 6X40, 6X41, 6X42, 6X43, 6X44, 6X45, 6X46, 6X47, 6X48, 6X49, 6X50, 6X51, 6X52, 6X53, 6X54, 6X55, 6X56, 6X57, 6X58, 6X59, 6X60, 6X61, 6X62, 6X63, 6X64, 6X65, 6X66, 6X67, 6X68, 6X69, 6X70, 6X71, 6X72, 6X73, 6X74, 6X75, 6X76, 6X77, 6X78, 6X79, 6X80, 6X81, 6X82, 6X83, 6X84, 6X85, 6X86, 6X87, 6X88, 6X89, 6X90, 6X91, 6X92, 6X93, 6X94, 6X95, 6X96, 6X97, 6X98, 6X99, 6X100. Requires 24 VDC 4 amps; input for detector 115V-117V, 35 lbs sh. Repr. \$145. \$125. Checked, \$220. \$195. MANUAL, partial repro \$15. Schematic \$2.50 Power input connector, \$3.00 w/set purchase.

30-300 MHZ RECEIVER

W-1420/URR (CBI 905A) UHF RECEIVER, covers 30 to 300 Mhz AM, FM, CW in bands 30-90 and 60-300 Mhz; bandwidth selective 20 or 300 KHz. IF 21.4 KHz; IF reject @ 30 Mhz is 54 db, above 50 Mhz is 80 db. Sensitivity: 1 uv/4 uv (AM) and 2 uv/6 uv (FM) for bandwidths 20 KHz/300 KHz @ modulated 1 KHz. Video output 5 v rms across 10K ohm load. Meters for Tuning and signal, separate band tuning knobs and dials, BFO, RF/IF Gain, Audio Gain, Video Gain, Cor Sens, 600 ohm auto out. Partially transistorized; has 2/6CW4, 8058, 7587 nuvistor tubes. Requires 115/230 VAC 50-400 Hz; partial repro manual from microfiche included. 3x19x15, 25 lbs sh. Used-operational/not to specs \$395

30-1000 MHZ RECEIVER

R-484/APR-14 AIRBORNE PANORAMIC SEARCH RECEIVER covers 30-1000 Mhz AM-FM in bands 30-210; 210-400 and 400-1000 Mhz; has 3" dia CRT for panoramic display of these signals RF bandpass 6 Mhz @ 3 db points. Sensitivity 11 uv max (30-100MHz), 13 uv (100-300) 16uv (300-1000). Spurious response 45 db down; image reject 60 db down. IF attenuator 0-74 db in 6 db steps. CRT calibration +3 Mhz center freq; video response +1 db, 200 KHz-2 Mhz. 600 ohms audio; 46/7-9-pin mini and octal tubes plus 3J1, 6F4, and 5678. Req 115 VAC 380-1000 Hz and 24 VDC 20 W. 8x15.5x20, 90 lbs. Used-reparable \$250; MANUAL repro \$15.

ROLLER INDUCTORS

PLATE ROLLER INDUCTOR, 26 turns #16 GA silver-plated wire 3.75" L x 2" dia coil for 14.5 uH max inductance. Has 115 VAC 400 Hz motor/rate generator (will run on 26 V 60 Hz) and 20K ohm multi turn pot geared together in feedback system. Shaft on inductor can be adapted to direct-drive operation. O/a 6.75x4x5, 3 lbs. #L13/ARC-58, used, \$36.95

L5 ROLLER INDUCTOR, part of input tuning of ARC-58; 26 turns #18 silver-plated wire 2" L x 1.125" dia coil for 8.4 uH max inductance. Has 115 V 400 Hz motor/rate generator (runs on 26 V 60 Hz) and 20K pot in feedback system. 3/16" dia shaft adapts to direct-drive. O/a 6x3 x4.75, 3 lbs sh. #L5/ARC-58, used, \$16.95

VERTICAL GYRO

115 VAC 400 HZ VERTICAL GYRO ASSEMBLY with 24 VDC caging solenoid pictured with cover removed. 360 degree roll; +/-85 degree pitch. Gyro output is to be used with selsyn-type receiver indicators. 6x4x4 in sealed can; 6 lbs sh. #V6-1701-319 used, \$15.

GYROSCOPE ASSEMBLY

HONEYWELL VERTICAL GYRO ASSEMBLY #J6-7044-A17, single pitch and roll gyro with 400 Hz motors, mercury switches, etc. Gimbal freedom: ±360° (outer axis, longitudinal), ±85° (inner axis, transversal). Erection rate 2°-6° min. Also 400 Hz 1/8" motors 26 V (torque), 115 V (caging solenoid), and 115 V 21000 RPM (power motor). Pick-up pots: 30K² ohm (roll), 30K² ohm ±80° (pitch). Angular momentum: 4.75x10⁶ gm cm²/sec. Unit has "line of flight" monitors for normal loft or alternate O/S. 7.5x9x6; 11 lbs. Used, \$25.00

SSB HF TRANSCEIVER

RT-594/ARC-38A AM LSB-USB HF TRANSCEIVER, 2.0 to 25 Mhz using 20 preset channels with autotune channel change. Uses stabilized master oscillator which allows possible 35250 channels in frequency intervals of 500 Hz (2.0-7.25) and 1000 Hz (7.25-25.0 MHz). Transmitter output: 100 watts peak min (2-14.25 MHz) 90 W (14.25-25 MHz). Antenna tune power: 50 W. Receiver SSB sensitivity: 1.5 uv for 10 db signal + noise to noise ratio. Selectivity: 3 KHz min 6 db down, 8 KHz max 60 db. Has 25 tubes including three 6159's in PA. Requires +2B, +600, +250, -50, -65 VDC and 6.3 VAC. Also 115 VAC 400 Hz for selsyn on PA inductor. 15.5x8x23.5, 80 lbs sh (UPS in 2 pkg). Used-not checked, \$210.00 MANUAL partial repro, \$20.00

C-1398/ARC-38 CONTROL BOX, channel selection for RT-311/ARC-38 but function switch can be modified for use with RT-594; see page 24. Used, less frequency setting book, \$15.00 SETTING BOOK for C-1398/C-3428, repro, \$10.

DY-118/ARC-38 DYNAMOTOR for RT-311-594/ARC; provides all DC voltages from 28 VDC 6.6/26 amp Rx/Tx. 4.9x6.8x18.3, 25 lbs. Used, \$35.

CU-351/AR AUTOMATIC ANTENNA COUPLER, companion coupler to RT-594/ARC-38A; similar to Collins 180L3 described on page 24 except has Cannon-style control connector and type N connection instead of UHF. Usable with any 2-30 Mhz transceiver in 50-180 watt output range. Automatically resonates an antenna to transceiver's frequency and couples RF signal between the two. Coupler has 7-1000 pf 3 KV vacuum variable capacitor and 28 uH variable ribbon drive inductor. Requires 28 VDC 3 amps, 250 or 400 VDC 35 ma, and 115 VAC 400 Hz 20 VA. 10.5x7.8x11.5, 24 lbs sh. Used, \$115; Manual f/180L3, part-repro \$10.

RT-311/ARC-38, similar to RT-594/ARC-38A except not SSB; used-not checked, \$85.00

AIRCRAFT TRANSCEIVER

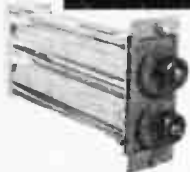
RT-524M AIRBORNE TRANSCEIVER mfg. by Aircraft Radio; covers 136.00 to 149.95 Mhz AM in 50 KHz crystal-controlled steps. 15 watts output. Has volume and squelch controls. Requires 24 VDC 6 amps. With tubes 8156, 2/8102, 6/6CW4, and 2/7587. Schematic included. Size: 6.5x7.5x14, 10 lbs sh. Used, no cover, \$54.95 \$40. MANUAL for RT524M, partial repro, \$10.00

R-901/GR DF RECEIVER

R-901/GR DF RECEIVER, 0.54 to 20 Mhz AM-CW in bands 0.54-1.15, 1.1-2.36, 2.25-4.84, 4.65-9.9 and 9.5-20.5 MHz. 455 KHz IF; bandwidth 1.5 or 4 KHz using two Collins mechanical filters. Built-in crystal calibrator and controls for BFO, RF-AF Gain, Bandwidth, Power Select, Power Monitor meter, Band Switch, Ant Trim. Antenna inputs for 50 ohm directional loop and conventional whip; 600 ohm audio output. Requires 24 VDC or 1.5 V 445 ma and 45 v 30 MA; 11 sub-mini tubes. 8.8x14.5x9, 27 lbs. Used-reparable, \$165.00 CHECKED, \$245. MANUAL, partial repro, \$12.

AM-1955/GRC AMPLIFIER CONVERTER USED WITH R-1148/GRC-55 RECEIVER FOR 600-1000 MHZ BAND. 17 MHZ IF. HAS 115 V 60 HZ MOTOR AS PART OF AFC SYSTEM. WITH TUBES 2C40A, 2/5842, 5654, 1N21B, 1N21WC. 150 VDC AND 6.3 VAC REQUIRED. SIZE: 15x9x8; 30 LBS. SH. USED, \$200 \$38.

BANDPASS CAVITIES



TWIN-CAVITY BANDPASS FILTERS, p/o AN/TRC-24 radio. Gold-plated cavities have tuning knob & dial. See 2/80 Ham Radio conversion info; 7x2.5x9.5, 7 lbs. Used, \$20.00 each:
 F-240/U (67 to 76 MHz)
 F-241/U (76 to 84 MHz)

F-196/U (163-184 MHz) F-203/U (344-374 MHz)
 F-199/U (224-254 MHz) F-204/U (374-404 MHz)
 F-200/U (254-284 MHz) F-235/U (500-550 MHz)
 F-201/U (284-314 MHz) F-236/U (550-600 MHz)
 F-202/U (314-344 MHz)

MOTION DETECTOR

MOTION SENSOR, interesting security device that detects change in ambient light. When someone or thing passes through its 15 ft sensing range and disturbs the light environment, sensor trips alert siren. Utilizes LM324A op-amp and photo cell tied to a zero (null)-seeking circuit. Grey plastic case; requires (4) AA batteries (not included). 5.5x4x1, 2 lb. #IS-MO-DE, NEW \$4.00



SPARES CASE



CY-1031 SPARES CASE, originally used with GRR-5; space for 7- and 9-pin mini tubes, 4 GT-tubes, 2 vibrators, and fuses. Hinged w/fasteners; 3x9.8x4, 3 lbs. Used, \$4.

PLASTIC CASH DRAWER

RUGGED PLASTIC CASH DRAWER with keylock; a good item for the small business man or flea marketer who wants to better organize and protect his or her receipts. Brown slide-out drawer has built-in two-able tray with 15 compartments for currency, coins, checks, receipts, etc., adjustable dividers, and five spring-loaded currency retainers. Handsome textured black case has reinforced top. 5x19x21.8, 1.5 lbs. #PL-CD-685, NEW, \$29.50 \$29.50



DUAL RUNNING TIME



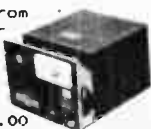
TWO ENGLER 2 1/2" dia 115 VAC running time meters with 5-digits + tenth hour indication, Sodeco 115 VAC 7-digit counter and three reed relays all in 3.5x8 x3.3 black metal box; 3 lbs. #2RTH-CB, used, good-condition \$14.95

PROJECT ENCLOSURES

#SA-1499 TERMINAL BOX, usable as 3.5x7x5 project box; has two conduit holes one end, two connectors on other. Inside 15-term 3/4" barrier strip and P&B MH230D 12 VDC sealed relay; steel; 5 lbs. Used, \$2.95
 #JB-A16161 STEEL JUNCTION BOX, 4.1x6.1x6.1 with three knockout holes on each side for conduit. Dark gray; 5 lbs sh. NEW, \$4.50

#ENC/ROMII ENCLOSURE, designed for portable test instrument; cover telescopes and slide-snaps over slant-style bottom. Top handle and rubber feet on back and bottom. Slanted section 2"D min to 3.8"D max; o/a 8x8.5x5.3, 3 lbs. Unused, \$5.95

ALUMINUM ENCLOSURE and frame from antenna coupler. Adapt as-is or re-work; 7.5"H x 10"W x 10"D. Front has cut-outs for 1-3/4" sq meter and two connectors. Also removable 4.5"x2.5" insulator. 8 lbs sh. #ENC/180L, \$6.00



SPEAKERS



BOOKSHELF SPEAKER in walnut-grained vinyl-covered 7x10x2 1/2 enclosure. Has 4" dia 16 ohm 1 W speaker and 6 foot cord with RCA plug; 2 lbs sh. #ER-WD-SPK NEW \$4.50 ea 2/\$8.

SPEAKER PAIR in PLASTIC ENCLOSURES, each 4" dia 16 ohm 1 W speaker in attractive 8x6x5 1/2 enclosure with 6' cord and RCA plug. White & black plastic per pic; 4 lbs sh wt. #ER-PL-SPK-PR NEW \$3.95/pr
 SPEAKER WRAP for assembling 10x20x4 walnut-grained vinyl-covered enclosure; no grill cloth. 7 lbs sh. #ER-SPK-ENG, 2/\$2.00
 3 X 5 SPEAKER, 2 watts with 1 1/2" dia magnet. Specify 8 or 16 ohm; 1 lb. \$1.35; \$95/100

 100 - 500 LOT PRICING available on all above.

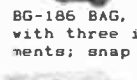
PAGING MIC



MUZAK MBL MULTI PAGE MICROPHONE, dynamic 150 ohm mic is designed for paging and features switching for three page zones plus one "all-call" switch. Usable with amplifiers having input impedance of 50 to 250 ohms; 60-10000 Hz frequency response. With four SPDT rocker switches and 10 foot 8-conductor cord; 3 lbs sh. #MBL-MIC, NEW, \$24.95 \$19.95

ACCESSORY BAGS

all CANVAS in nice usable sizes to carry or store different items; used-good condition:
 BG-172 RUCKSACK BAG, adjustable shoulder straps for backpack carry; 13x13x10 with two external pouches 12"Lx10"H and 12x4 plus four small internal pouches. 6 lbs sh., \$6.00



BG-186 BAG, thin 9.8x14x4 size with three internal compartments; snap closure and strap; 3 lbs sh., \$5.00



CW-189 BAG 9x10x10 with two-snap cover and carrying strap; p/o GRA-6, 3 lbs. \$7. \$4.50



CS-76 BAG, similar to CW-189 except 7x10x8 with strap closure, 3 lbs sh., \$4.00

20 HZ STATIC RINGER

20 HZ INVERTER MODULE, used in telephone equipment to produce 20 Hz 65 volt 50 ma ringing signal from 110 VDC 65 ma input. 3.4x2x3, 2 lbs. #E10/TA122 used \$7.95



PROJECT BOXES

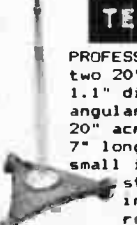


ALUMINUM TRANSIT CASE, originally for test meter but easily adaptable for your project; interior 11.6"Lx8.2"Wx5.3"D. Hasp fasteners; one pair retain top cover. O/a 14.3x10x7.4; 6 lbs. #CS-TCC-11, used, \$6. 2/\$10.

PROJECT CHASSIS, nice 10x12x3.5 size w/capacitors 50000 & 4700 mf 25 VDC; 7 lbs. #CH-3REG, used, \$4.
 #CS-48, steel outer CASE-ENCLOSURE for BC-191/375 tuning units; black finish, no top. 7.8x16.8x7.9, 3 lbs sh. \$3.00 ea; 2 for \$5.



TELESCOPING STAND



PROFESSIONAL QUALITY TELESCOPING STAND two 20" long chromed sections; bottom 1.1" dia, upper 0.9" dia. Steel triangular base has 2" dia casters and is 20" across caster to caster. Removable 7" long bracket can be used to mount small item such as speaker, test instrument, etc. (A third telescoping section could be added to really increase possible uses.)
 27 lbs. #2020-TST, used-good \$24.95 \$18.95

TRANSISTOR AUDIO AMP



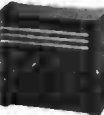
TRANSISTOR AUDIO AMPLIFIER w/5 transistors on off-volume and tone controls. Inputs for ceramic or crystal phono cartridges. Other possible uses as homebrew receiver, intercom, child's project. Use with 8 or 16 ohm 3" or 4" speaker. Req 6-9 V AC or DC; with schematic. 1 1/2x2 1/2x3 1/2. #ER-10-1231 NEW \$2.95; 2/\$5.00 -100, 500, 1K LOT QUANTITY PRICES AVAILABLE-

ENCLOSURES



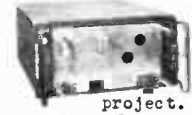
STEEL CABINET with lift top for 7"Hx14"Wx8"D panel. O/a 8x16x8 1/2, 7 lbs. #SK-CAB7148, used, \$5.95
 PANEL with miscellaneous parts f/above, \$1.50

CY-2126/TRC CABINET w/115 VAC 5" fan on rear; f/panel 19.3"Hx19"Wx14.5"D. 30 lbs. Used \$22.



PRINTER STAND/COMPUTER CABINET 24.5"Wx12"D top plus large bottom-hinged door to access interior. On-Off switch for 6-outlet AC strip w/8" AC cord. Black-krinkle finish; 23.8"H, 50 lbs. #PS-TTY, unused, \$22.95 \$14.95

FILE CABINET for items upto 9 1/2" wide X 8 1/2" H; o/a depth 24". 4 for \$17. Steel, O.D. green; 14 lbs. \$6.



CS-61831 CASE w/CHASSIS, 15 1/2"Wx8"Hx23 1/2"D (20"D behind panel). Some cut-outs on front; may be usable for antenna tuner or transmatch project. Aluminum; 20 lbs. Used \$12.

CS-1060 CASE w/CHASSIS, p/o small scope; o/a 8"Wx7 1/2"Hx13"D. Front has cut-out for 3"CRT; some parts on chassis. Handle on top; 10 lbs. Used, \$8.95

STORAGE CASES



PLASTIC STORAGE CASE, rugged but light with hinged top, hasp fastener, and recessed top grip. Two glued spacers; interior 7.5x6.3x5.3. Handy item for shop; 2 lbs. #CS-PL-SR, used, \$2.25; 2/\$3.50



CV-425 ALUMINUM CASE with rounded corners; sturdy single compartment construction with hasp-type fasteners. Interior 9.3x10x5.8. 6 lbs sh. Used \$6.00

CY-4321/GRC-109 SPARES BOX, single 5x10x3 compartment; steel with hasp fasteners. 5 lbs sh. Unused, \$4.95



FIBERGLASS CASE with carrying handle and six hasp fasteners; lid not hinged. Lower section 13.5x8x9; cover 3.5" deep. Has fittings and rubber shocks to be removed. #FIB-SR-684 11 lbs sh; used, \$7 ea; 2/\$15.

#CS-TH-14 ALUMINUM TRANSIT CASE with hasp fasteners; interior 17.5x19.5x8. 22 lbs sh wt; used, \$10.00

#CS-URM11 METAL-CLAD CASE, top hinged, side handles and fasteners. 10x15.5x12. 18 lbs. \$1

EQUIPMENT RACKS



#GGQ-19-80 RACK o/a 80 Hx24 Wx26"D for panel 73x19 has rear door, 24"H lower front door and removable upper angled mount for easy viewing of 7"H panel; 300 lbs sh. Used, \$100.

MCLEAN EQUIPMENT BLOWER RACK, rackmount assembly has dual 115 VAC 50 Hz 1.6 amp 1700 RPM blowers, top & bottom slide-in filters, and line cord; 5"D behind panel. 23x19x8.3, 35 lbs sh. NEW \$29.50

R-390A/URR HF RECEIVER



R-390A/URR RECEIVER famous military set covers 0.5 to 32 MHz AM-CW-MCW in 3: one MHz bands read directly on mechanical digital counter. 455 KHz final IF; has four Collins mechanical filters allowing 2-4-8-16 KHz selectable bandwidth. Calibration points every 100 KHz; also BFO, AGC, dial locks, 500 ohm audio out, Line and Carrier Level meters. Rackmount; no covers. Requires 115/230 VAC 60 Hz. 10.5x19x16.8. 95 lbs (UFS 2 pkgs). Used-reparable, less meters, \$175. Checked, complete, \$345. Less meters, \$295. MANUAL, maintenance, partial repro, \$15.00

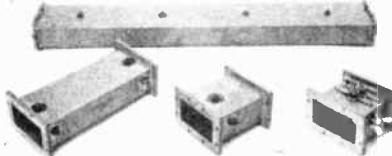
R-390A "AS-IS", less meters, 3TF7, BFD, and covers; "visually inspected" only, \$135.00

FACSIMILE TRANSCEIVER



STEWART-WARNER MODEL 180 DATAFAX TRANSCEIVER, facsimile machine designed to send and receive printed matter and images over telephone lines or private wire. Produces up to six shades of gray. Drum scanner speed: 180 RPM; 6 minute transmission time for 2x11 message. Receives 1500-2500 Hz signal; 2150 Hz required to activate demodulator. Select manual or automatic operation modes. Uses 200' rolls of facsimile paper (not available). Units tested for basic send-receive; some adjustments may be necessary. Schematic & info packet included. Requires 100-127 VAC 60 Hz. 16x12x21, 70 lbs USED, \$85.00

3.7-4.17 GHz WAVEGUIDE



COPPER WAVEGUIDE, 2"x1" size for the 3710 to 4170 Mhz range; Western Electric manufacture, removed from telephone installations. Filters are tuned to preset frequency; adjusting screws can be reset to desired frequency. No further information available.

- #1301-Series FILTER with four adjusting screws; 16 1/2" length, \$24.95
- #1303-Series FILTER, two top and two side adjust screws; 6-11/32"L, \$17.95
- #1300-Series FILTER, one top and one side adjust screw; 3-5/32"L, \$12.95
- #400-Series TUNER, two 1/2" dia adjust screws; 2 1/2" long, \$14.95
- #ED51566-30 TUNER/TRANSDUCER, two 1/2" dia adjust screws, one 3/8" dia screw port; 2-7/8" long, \$16.95
- #J368330K1 XMTR AMPL, dual section 2-5/32" and 1 1/2" variable internal port; o/a 4 1/2"L, \$19.95
- #ED63919-31 AMPLIFIER with 416B tube with 3/8" dia screw port adjacent to tube grid cap; assembly silver-plated brass. O/a 5 1/2"x3 1/2"x1-3/8, 4 lbs sh. \$27.95 Mating 6-prong connector, \$2.00

WW-II VEHICULAR RADIO

BC-620 TRANSCEIVER, part of SCR-509-510 radio set as used in World War II vehicular communications. Receives and transmits over 20-27.9 Mhz FM range on any two of 30 different crystal channels spaced 100 KHz apart. Transmitter output: 1.2 watts. Has tuning meter and tubes 1L6C, 1LH4, 4/1LN5 2/1291, 1294, 4/1299. Uses FT-241 crystal-type (not included) and requires 1.5 VDC 0.7 amp, 90 VDC 45 ma, 7.5 VDC 0.3 A, 150 VDC 45 ma. Size: 12x16x21 1/2, 40 lbs. Used, \$59.50

CS-79 BATTERY BOX for manpack use of BC-620 or BC-659; 17 lbs sh. Used, \$7.50

SCR-509/510 MANUAL, partial repro, \$10.

SCR-609/610 (BC-659) MANUAL, \$7.50

TS-13 or equal HANDSET, \$14 w/set purchase.



R-390A R-392 R-648 PARTS

REPLACEMENT ASSEMBLIES & PARTS for the popular military receivers R-390A (A), R-392 (B), and R-648/ARR-41 (C). SPECIFY receiver type and chassis designations of parts!

- ASSEMBLIES -----
- AUDIO SECTION: \$18(A), \$30(B), \$15(C)
 - CRYSTAL CAL CHASSIS, \$30(B)
 - CRYSTAL OSCILLATOR (less crystals) \$20(A,B)
 - DYNAMOTOR POWER SUPPLY, \$20(C)
 - IF SECTION, CHECKED: \$150(A), \$35(B) \$90(C)
 - RF AMPLIFIER SECTION, \$15(C)
 - RF DECK, complete: \$140(A), \$95(B)
 - RF/IF TUNER LESS VFO, \$90(C)
 - RF OSC ASSY LESS CRYSTALS, \$15(C)
 - SPECTRUM GENERATOR, \$15(C)
 - VFO, (COLLINS): \$60(A,B), \$40(C)
 - VFO, (NOT COLLINS), \$40(A,B)

- SMALL PARTS -----
- ANT TRIM KNOB, small, \$1.25 ea (A,B,C)
 - AUDIO TRANSFORMERS, \$4.00 ea (A,B,C)
 - BAND XTALS \$10 ea (A,B,C); 5/635 (f/One Rx)
 - BEAT FREQUENCY OSCILLATOR, \$15.00 (B)
 - COUNTER DIAL, \$15.00 (A,B,C)
 - HANDLES, per pair \$7.00 (A,C)
 - 200 KHZ CRYSTAL, \$18.00 (A,B)
 - MECHANICAL FILTER 1.4 KHz, \$45.00 (C)
 - MECH FILTER 2 or 4 KHz(A), 6KHz(C), \$35 ea
 - MECHANICAL FILTER 8 KHz, \$27.00 (A)
 - MECHANICAL FILTER 16 KHz, \$20.00 (A)
 - MHz/KHz KNOB: \$6 (A), \$4 (B), \$5 (C)
 - RF, IF, AUDIO GAIN POTS, \$2.00 ea (A,B,C)
 - RF-IF-AUDIO KNOB mid-size, \$1.50 ea (A,B,C)
 - RF/IF TRANSFORMERS, \$8.00 ea (A,B,C)
 - SLUGS only, \$3 ea (A,B,C); with RACK, \$4 ea.
 - GEARS #39 or #21, \$6 (A); others, \$3 (A,B,C)
 - GEAR CLAMPS (specify gear), \$1.50 ea (A,B,C)

MILITARY BATTERIES

MILITARY BATTERY BUY-OUT!

We just purchased tons of equipment batteries from the government; all are unused. Use them as intended or for your own special needs. Not rechargeable.



- BA-48 for Rx section of RT-77/GRC-9 (p 6 WS-87) or BC-1306; 6 CD & 60 A-cells, 1.5 & 90 VDC. 10/81 date; 10x2.2x4.8, 7#, \$8.95
- BA-216, twelve "F" cells, 4.5 VDC; 4/80 date code. 3.9x3.9x6, 4.5 lbs sh, \$3.00
- BA-232, 15 N-cells, 22.5 Volts; 4/83 date code. 1.6x1.3x3, 0.3 lbs; \$1.25 ea, 5/85.
- BA-270 for RT-196/PRC-6 walkie-talkie; 24 AA, 93 N-cells, 1.5, 45, 90, -45 VDC. 9/83 date; 2.8x2.1x7.4, 3 lbs. \$8.95 ea, 12/89S.
- BA-279 for PRC-8-9-10 Rx-Tx; 8 CD, 45 B, 45 AA, 8 C-cells, 1.5-67.5-135--6 VDC. 5/79 dates; 8.3x2.3x8.3, 7 lbs; \$7.95 12/87Z.
- BA-291, 200 FL-2 cells, 300 VDC; 3/80 date. 2.6x2.2x3.8; 2 lbs, \$3.50 ea, 2/86.00
- BA-314, 45 FL-3 cells, 67.5 VDC; 6/81 date. 2.8x1.3x2.5, 1 lb; \$1.25 ea, 12/81.00
- BA-406, 2 D-cells, 3 & 1.5 VDC; 7/82 date. 2.6x1.4x3.2, 1 lb, 2/81.50 ea
- BA-802, 2 F-cells, 1.5 VDC; 6/80 date. 2.6x1.4x4.3, 1 lb, 2/81.50
- BA-807, 30 D-cells, 22.5 & 45 VDC; 1/82 date. 7.8x7.1x2.9, 9 lbs; \$8.50 ea, 2/91S.
- BA-1277, 3 R-42R mercury cells, 1.3 VDC; 5/83 date. 2.4x1.3x4.2, 2 lbs, \$2.50 ea
- BA-1393, 12 RM-3WA mercury cells, 13 VDC; 2/82 date. 5x1" dia, 1 lb; \$2.00, 3/85.00

WW-II MINE DETECTOR



SCR-625 MINE DETECTOR SET, famous World War II unit designed to detect anti-tank mines buried at depth up to 24". Detection indicated on meter attached to handle or audibly by the M-356 resonator. Set includes C-446 1 1/2" dia x 1" search coil, BC-1140 control, BC-1141 amplifier, M-350 handle, M-356 resonator, BG-151 bag, CH-156 transit chest, and manual. With tubes 2/1N5 and 1L6. Requires two "D" cell batteries and BA-38 battery (not available) which supplied 103 and 67 VDC. Units have French markings but U.S. manual included. Because of age, not guaranteed operable; 49 lbs sh. #SCR-625-FR, \$55.00

0.5-32 MHZ RECEIVER

R-392/URR RECEIVER, 0.5 to 32 Mhz AM-CW in 32 one Mhz bands using mechanical digital tuning. Triple conversion on lower 8 bands, double on others. Selective bandwidth 2-4-8 KHz; 100 KHz crystal calibrator points. With 25 tubes of 26A7, 26A6, 26C6, 26D6, 6AJ5, 12AU7. Requires 24-28 VDC 5 amps. Rugged vehicular version of the famous R-390 receiver. 11x14x11; 58 lb sh wt. Used-reparable, \$165. Checked, \$235. MANUAL for R-392, partial repro, \$15.00



LS-166 SPEAKER for R-392, used, \$12. w/set. 115 VAC POWER SUPPLY f/R392-no connector \$25.

SWR INDICATOR CIRCUIT



STANDING-WAVE RATIO INDICATOR CIRCUIT, assemble a SWR meter using this 1 1/2" square 0-10 scale (FS=2 MA) meter with filters and rectifiers and a modified Schering bridge. One pair of bridge arms is resistive, the other capacitive. In theory the bridge circuit is balanced when the antenna is tuned to 52 ohms resistive resulting in a zero reading on the meter. 30-239 connector. Bridge: 2x2x1; 2 lbs. #M701/CU-991, \$8.95

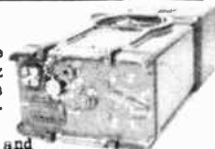
PRC-25 MODULE TESTER

AN/GRM-55 TEST SET, use to check test points in modules of RT-505/PRC-25 transceiver and to isolate circuit problems. (Indirect tests only of modules A2, A12-13, A19-20.) Includes TS-1755 test unit, MX-4622 probe, CX-8593 cable Assy and CG-409 BNC cable. Requires 12.5 VDC 1 W per 5 sec test. 5.5x7x8 10 lbs. Used w/operator's manual, \$75.00



CANADIAN TRANSCEIVERS

CRT-1/CPRC-26 CANADIAN PORTABLE TRANSCEIVER, six channel unit for use in the 47 to 55.4 FM Mhz range. Receiver consists of RF amp, rcal oscillator, mixer, 4/IF amps, limiter, discriminator, and audio amp. Transmitter has master oscillator, modulator, power amp w/3B4. Uses tubes 2/3B4, 5/1AD4, 5692, and 5/5678 all of which are in sealed plug-in modules except the 3B4's. Modules are reparable Receiver sensitivity about 2 uv, deviation 15 KHz. Transmitter output 300 MW. Receiver requires 1.5 V 550 ma 45 V 12 ma, 90 V 30 ma; transmitter 1.5 V 850 ma, 45 V 8 ma, and 90 V 30 ma. (Battery not available.) With battery box but less crystals. O/a 3x4x10 1/2, 5 lbs Used \$12.95 \$9.95



- Accessories for CPRC-26: SCHEMATIC, \$1.50
- AT-5001/PRC ANTENNA, collapsible with flex base; 11"L folded, 47" extended. \$3.00 ea.
- CP-1/PRC COUNTERPOISE, rubber insulated 4 ft long wire w/split pin plug; use as counterpoise and/or trailing wire antenna. 2/\$1.50
- #CAN-C/PL CABLE & PLUG to convert U.S. H-33 handset to Canadian for above, \$2.50
- H-5002/PRC HEADSET, one 300 ohm element, \$4.
- MODULE SPARES, unused; specify RF OSCILLATOR, IF AMP, MODULATOR, AF AMP --\$1.50 ea, 10/\$10

2 - 12 MHZ RECEIVER



RECEIVER SECTION from GRC backpack transceiver, 2-12 MHz in 3 bands AM-CW; 456 KHz IF, 200 KHz calibration points. Controls for AF and RF Gain and headset jacks. With tubes 2/1L4, 3/1R5, 1S5, 3Q4; less grid bias battery. Requires 1.4 VDC 450 ma & 105 V 20 ma. 5x10.5x6.8, 10 lbs. #RX/GRC-9, used, \$28.

#RX/BC1306 RECEIVER SECTION, similar to above but 3.5 to 6.5 MHz and part of earlier BC-1306 radio. 5x9x6, 9 lbs sh. Used, some minor surface corrosion, \$29.95 SCHEMATIC for either receiver, \$2.00 each BA-48 BATTERY for either, unused, \$8.95 CD-1119 BATTERY CABLE, mates to BA-48 but not to receiver. \$9.00

BANDPASS FILTER



F-237/GRC BANDPASS FILTER, designed to operate from 54 to 70.9 Mhz using dial tuning. Bandwidth: 250 KHz @ 3 db points or 4.5 Mhz @ 40 db points. 50 ohm output and input impedance. Unit consists of a 3-gang variable capacitor coupled to 3 sets of three sealed cavities. Type C connections. F-237 has conversion possibilities for 6- and 2-meter amateur applications. An article about these by W. Tucker, W4FXE, appeared in 12/30 issue of Ham Radio. 5x11x11, 17 lbs. \$19.95

CODE PRACTICE SET



AN/GSC 1 CODE PRACTICE SET designed for student practice of Morse code, accommodating up to 10 keys. Hand keying produces either an audio tone with adjustable volume and pitch or a blinker flash. Has effective range of

40 ft. if background noise is less than 60 db Can be operated from 6, 12, 24, or 115 VDC or 115/230 VAC. With built-in speaker, blinker, volume and pitch controls and tubes 6X5 and 2/6AK6. Keys not included. 13x18x11, 58 lbs sh. Used. \$14.95; MANUAL. \$7.50

PHONE JACK STRIPS

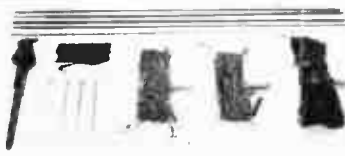
TELEPHONE JACK STRIP, 24 jack pairs plus a monitor jack/pair; adjustable 5x26 terminal block on chassis rear



3.5x19x15, 15 lbs. #J-2098, used, \$28.95 \$22. #J-2097 JACK STRIP, 24 pairs, 3x26 terminal block; 2.8x19x15, 12 lbs. Used, \$26.95 \$15. #24-SWB-PP, similar to J-2097 except no chassis or 3x26 terminal block; 2.8x17.8 x3.8, 6 lbs sh. Used, \$18.00 \$14.00

FIELD DAY ANTENNA KIT

3 in ONE PORTABLE ANTENNA KIT ideal for field day. Composed of GRC-9 2-12 MHz



antenna gear combined in single package. Includes AT-101-102 long-wire (#15 stranded copper) antennas with insulators and clips for adjusting frequency; 5-section 15 ft whip (3/MS-116, MS-117, MS-118) with EN-127 base; plus CP-12-13 counterpoise for 15 ft radial ground plane. Also guy ropes, 3 guy stakes, & CW-419 canvas carrying bag. NATO-surplus; 22#. #FD-GRC-9, used-good, \$49.50

TA-1/PT TELEPHONE



SOUNDPOWERED TELEPHONE SET WITH AUDIBLE AND VISUAL CALL SYSTEM. PALM OPERATED GENERATOR PUTS OUT APPROX. 100 V. THAT SOUND BUZZER IN OTHER PHONE AND ACTUATES VISUAL INDICATOR. COILED CORD WITH PUSH TYPE ENDING POSTS FOR INTERCONNECTING WIRES TO BE FASTENED TO. COMES WITH FIBER CARRING CASE. SIZE: 8x3x3; WT: ACT 2LB USED \$25.00 EACH

OSCILLATOR



TRANSISTORIZED CRYSTAL OSCILLATOR and BUFFER, 56 to 99 Mhz with 75 C temperature controlled oven. Requires 5th overtone HC-6 (20 pf) x-tal (not incld). Has external oscillator input and tuning meter and oven output. Requires 12-18 VDC reg. for osc., 22-30 VDC 1 amp for heater. W/BNC and two submini 27 (UG-1465) connectors, power input DEC 9F connector, and schematic. 6x2x3; #OSC99228, \$8.

MAGNETO PHONES

MAGNETO TELEPHONES for two-wire communications from a fixed location to another. Desk and wall types available; each with handcrank ringing generator, bells, and standard handset w/common U-1 and T-1 elements. 3 V required for voice circuit; Northern Electric mfg. Black; used-checked.



#D-NE-MPH desk-type; 6x6, 5x8, 9#. \$44.50 \$34. #W-NE-MPH wall-type; 5.8x9x4.5, 9#. \$45 \$35.

FIELD TELEPHONE

EE-8 FIELD TELEPHONE, portable hand-ringing magneto type for use where radio communications are not feasible. Two or more can be used in two-wire system up to 17 miles in length. Connect with two conductor wire; GN-38 handcrank generator signals transmission and MC-131 bell alerts of call. Two "D" cells required to operate TS-9 handset. With carrying case and strap. 8x10x3.5, 19 lbs. Used, \$30 \$40. MANUAL, \$5.



TA-43 FIELD TELEPHONE, rugged light-weight unit replaced EE-8 and can be used with them. Includes G-42 handcrank generator, BZ-3 clicker call-signal, H-60 handset, and canvas carrying bag w/strap. 12x7x4, 12 lbs. Used-checked, \$65. MANUAL, repro. \$8.50

RM-39 FIELD CONTROL

RM-39 CONTROL UNIT, allows EE-8 or similar field phone to remotely transmit and receive AM and CW radio communications. Has GN-38 handcrank generator, MC-131 bell, selector for Telephone-Through-Radio-CW, and plugs & jacks for Headset, Key, and Mic. Requires 4.5 V, 15 V, and 3 V from batteries (not available). 5x6x9.3, 16 lbs sh. Used, \$14.95; CS-76 CANVAS BAG, \$5. MANUAL for RC-289 including RM-39, \$7.50



LS-166 SPEAKER

LS-166 SPEAKER housed in cast-aluminum case with cable and U-77 audio plug for use with RT-70/AM-65 and similar family GRC/VRC radio equipment. 4" dia speaker has heavy-duty PM magnet; also 600:8 ohm audio transformer and Hi-Lo switch. 5x5x3.3, 5 lbs. Used, \$12.00



TELEPHONE TONE PAD

ITT TONE KEY PAD, can be used for tone control, signaling, and experiments. Each key produces tone output; characters 0 thru 9, *, #. Requires 9 to 15 VDC; with hook-up info. 3.4x3.2x1.8, 2 lbs sh. ITT #3600G, NEW, \$7.95; 2/\$15. + + + + + WESTERN ELECTRIC #35AF3A TONE PAD, as above, but removed from equipment, \$5.95 ea 2/\$10.



BURIED WIRE LOCATOR

AT&T MODEL 170A BURIED SERVICE WIRE TEST SET portable field unit designed to test and trace path of buried telephone wires and to locate wire breaks or line "faults". Consists of 172A Test Set-Transmitter which provides line reference signal and functions Off/Test, Ohms, Trace, Pinpoint and and 171A Test Set-Receiver which "tunes" the reference signal on null meter to find the line or fault. Requires AT-8681 ground probe (not available) and two 6 VDC lantern calls and three 9 VDC transistor batteries (not supplied). With carrying case & operator info; 12 lbs. Used, \$59.50



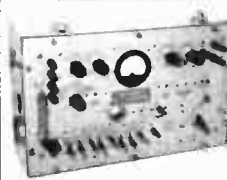
FIELD PHONE-CONTROL SET

We've taken two items in plentiful supply C-433/GRC CONTROL & H-33 HANDSET, and have put them together to function as a low cost field telephone compatible with EE-8 and TA-43/312 two-wire field phones. C-433 has handcrank ringing generator and incoming call bell plus circuit for the H-33. Requires two "D" cell batteries (not supplied). C-433 3.5x8.3x7.2; 10 lbs sh. #C433-H33, used, \$24.95; CW-189 CANVAS BAG, holds two C-433's & two H-33's, used \$4.50



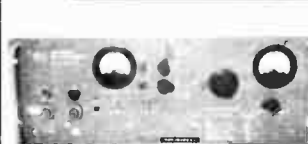
TELEPHONE TEST SET


I-142/PTM-6 TELEPHONE TEST SET, measures characteristics of telephone and related equipment including these operations: 1. Sound source for mics and receivers; 2. Efficiency test for mics and receivers; 3. Capacitor test for leakage resistance; 4. Generator test; 5. Ringer test; 6. Insulation test; 7. Dielectric test indicating percent of pulse period; 8. Continuity test; 9. Instrument tests such as 600 ohm circuit for sound-powered equipment; 24 V. DC-AC res. circuit for common battery phones; impedance matching circuits for carbon and magnetic mics and receivers. Meter has scales -10 to +6 DB and 0-100 VDC. Requires external batteries for 3, 12, 24, and 135 VDC. Batteries not available. 19x12 x9, 46 lbs sh. I-142, used, \$59.50 \$49.50 TS-993/PTM-6A, more recent; 65 lbs., \$65.00



AM-4531 POWER AMP

AM-4531/GH VHF LINEAR POWER AMPLIFIER by Granger Associates; designed for 120 to 152 MHz range to deliver 50 watt output from 10 W input. Uses B122 tube in F-A. Has 2.5" rd multimeter with seven position switch to monitor Plate to 2 KV. Screen to 1 KV. Plate RF Peak to 1 KV. Bias to -10V. Forward Power to 100 W. and Reflected Power to 100 W. Also 2.5" rd 0-700 ma Plate Current meter. Loading and Coupling controls each with lock, and Bias Adjust. Requires 105/115/130/210/230/260 VAC 47-400 Hz. 7.19x14.5, 50 lbs. Used-not tested. \$150.






HS-23 HEADSET, 2K ohm using R-14 elements and unused grey plastic headband; 4 1/2" cord w/plug. Leas cushions, \$9.25

HS-23 w/HB-7 brown headband (not U.S. mfg), 18" cord and PL-354 plug, WRITE

RUBBER CUSHIONS
MC-162 2.5" \$1/pr
MX-41 2.8" dia, \$1.25 per pair

HB-7 HEADBANDS
#HB7-BR, brown w/ 18" cord, \$3.00
#HB7-G, gray w/ 54" cord, \$3.25


CX-1334 CABLE, adapts H-113 or CW49505 to JRC-equip (JK-26 jack and U77 plug, \$4.



#ZAN/CAN3538 dynamic headpieces, 125 ohm impeded;

MOVING COIL-TYPE, QUALITY REPRODUCTION. ADJUSTABLE CANVAS STRAP FITS ON TOP THE HEAD; STEEL-BAND BEHIND. WITH CHAMOIS CUSHIONS, "Y" CORD, AND PHONE PLUG.

UNUSED, \$ 5.95




H-33/PT HANDSET with U-77 plug; for use with GRC-3--8 PRC-8-9-10, & related equipment. 5' cord, 2 lbs sh. Used-checked, \$15.00 ea

Western Electric Sound-Powered 1024 ohms D-173016 trans.

new \$3.00 ea.

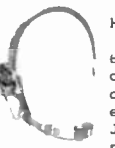
Carbon Elements
F-1 Mic. \$1.50
Lip Mics: M-51 M-6 M419 etc. \$1.50
Telephone elements: U-1 or T-1, \$2.00



H-113/U HEADSET 600 OHM SOFT PLASTIC EAR CUSHIONS 18" CORD w/ PL-54 PLUG THAT FITS JK-26 JACK (SEE CD-307 EXTENSION CORD ELSEWHERE ON THIS PAGE) WT: 3LBS. USED-EX \$5.95


CW49505 HEADSET like H-113 except black and has provision for snap-on CW-51071 lip mic listed below. Used-excellent \$4.95

CW-51071 LIP MIC, 100 ohms impedance; snaps to CW49505 and plugs to CD-318. \$2.50 ea




H-63 HEADSET & BOOM MIC, 600 ohm receive & 100 ohm M51 mic elements; w/ JJ-055 & 3-pin jacks. 3 lbs sh. Used, \$12 \$9.95


AN/GSA-6 CHEST GROUP, push-to-talk switch SA-142 & CX-1077 cable with U-77 plug connects H-63 with GRC radios. Includes canvas straps; 2 lbs. Used \$8.00 \$5.95




WESTERN ELECTRIC D173213 CHEST SET 50 ohm mic, 250 ohm HS-30 headset, 7" cord w/PL-58 plug; 3 lbs. Unused, \$15.



TS-10 SOUND-POWERED HANDSET with 65" cord and clips; 3 lbs sh. Used-checked, \$25.



M-236-6A SOUND-POWERED CHEST MIC, push-to-talk. 18" cable; 6#. Unused \$10.



T-45 LIP MIC




CARBON MICROPHONES 50 OHM F-1 TYPE PRESS TO TALK NO. C-3 (LEFT) 4' CORD PL-55 PLUG UNUSED \$4.95
C-2/10A/1422 (RIGHT) 4 1/2 FT. CORD PL-68 \$3.95




RS-38 MIC, 100 ohm carbon; w/PL-68 4' cord Used w/ coil cord \$7 New, not U.S. \$6.

PLANTRONICS HEADSET

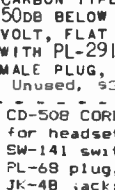
PLANTRONICS StarSet II ultra-light OPERATOR'S HEADSET, improved contoured earpiece, 3-position volume integrated into amplifier plug, and SoundGuard protection from unexpected loud telephone line noise. Also coil cord with PJ-7 dual plug, set of six different sized earplugs, and carrying pouch; almond color. 7 lbs sh. #HSD108-1, NEW, \$44.95 \$35.



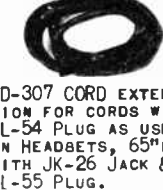
TS-9 HANDSET with butterfly switch as used on EE-8 and similar field phone equipment; 2 lbs. Used, \$9.95



4-23 HANDSET, push-to-talk; cord w/PL-68 & -55. Like TS-13; unused, \$16.



T-45 MICROPHONE CARBON TYPE 100OHM 50DB BELOW 1 MILLIVOLT, FLAT RESPONDS WITH PL-291 2 CORD MALE PLUG, 11" CORD UNUSED, \$3.00



CD-307 CORD EXTENSION FOR CORDS WITH PL-54 PLUG AS USED ON HEADSETS, 65" LG WITH JK-26 JACK & PL-55 PLUG. Used, \$2.00



T-30 MICROPHONE CARBON TYPE, 75 OHM 50DB BELOW 1 MILLIVOLT, FLAT RESPONDS WITH PL-291 2 CORD MALE PLUG, 11" CORD PRICE: Used, \$4.00

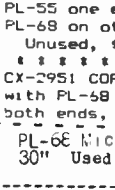
CONTEMPRA PHONE

Modern CONTEMPRA PHONE, quality Northern Telecom manufactured with key pad, ringer, coil cord, and module jack. Low profile; looks sharp on desk or wall. Specify 1st-2nd-3rd color choice: Gold, yellow, brown, beige, almond, white, green, blue, red, and orange. Nice phones at a nice price "as removed from service." 6 lbs sh. #NE-CON-PH, complete-not checked, \$14. 2/\$25.

A. TELEX 510-01 HEADSET. 500 ohms; blue vinyl-covered cushions, 4' cord w/mini-plug. Used, \$4.95

B. H/88 LANGUAGE LAB HEADSET, 600 ohm; blue vinyl cushions, 4' cord w/phone plug. Used, \$4.95

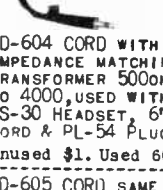
C. H-16/65 HEADSET for noisy environs; 8000 ohm impedance. 65" cord w/PL-54 plug, used, \$8.00



CX-2950 CORD, 10' PL-55 one end and PL-68 on other. Unused, \$2.50

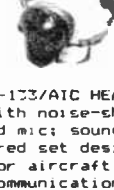
CX-2951 CORD, 10' with PL-58 on both ends, \$2.65

PL-68 MIC PLUG 30" Used, \$1.00



CD-604 CORD WITH IMPEDANCE MATCHING TRANSFORMER 500OHM TO 4000, USED WITH HS-30 HEADSET, 6" CORD & PL-54 PLUG. UNUSED \$1. Used 60¢

CD-605 CORD SAME AS CD-604 ONLY 30" LG. WITH PL-55 PLUG. Used, \$2.00



H-113/AIC HEADSET with noise-shielded mic; sound-powered set designed for aircraft inter communications. Has 24" cord with U-93A plug; David Clark mfg, 4 lbs. Used-checked, \$40. Less mic, \$27.50

STANDARD TELEPHONE EQUIP.

All of our standard telephone equipment is sold as "used-complete" only unless otherwise noted. Some adjustments may be required so that the equipment conforms to your local telephone company's system.


CALL COMMANDER SWITCHBOARDS, NE-634C-1 or similar with plug; gray, green, or beige colors: 11-line 1-hold \$22.95 \$14 17-line 1-hold \$28.95 \$16

3-LINE 3-HOLD AE 87 DESI PHONE 3-lines each, with "hold" buttons; buzzer-type call signaler using 5B23 tubes. With handset, coil cord, 5' cable w/terminal lugs, mount hardware; black, 6 lbs. UNUSED \$22.95 \$17.95

EXTENSION BELLS, ring by using 90 V 20 Hz ringer or handcrank generator. Usable in field & magneto phones. Checked: #MC-131, double coil-type p/o EE-8; 3" dia X 1.8"H, 1 lb sh. \$6.95 #VP-2-1, single coil p/o C-433-434 control; 2" dia X 1"H, \$5.95

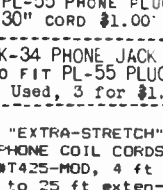
CD-318 PUSH-TO-TALK SWITCH w/lock. Has 7' cable w/PL-68 plug, JK-26 jack, & straps Use with T-30 throat or T-45 lip mics; 2# sh. Used, \$5.

WW-2 CHEST SETS, un*unused*: TD-2 un \$7 TD-4 un \$7 T-46 un \$7 H-12 un \$7 H-18 un \$8 H-19 un \$15 BE74 used \$7



SA-7C SOUND-POWER CHEST SET, push-to-talk switch & 18 ft cord. Comfortable 3.8" X 4.6" ear cushions; 5 lbs. Used, \$25.00

MIC COIL CORD, 1-wire shielded, 2-wire not; 30"-42" #SH-CC3042, \$2.50



JK-34 PHONE JACK TO FIT PL-55 PLUG Used, 3 for \$1.

"EXTRA-STRETCH" PHONE COIL CORDS: #T425-MOD, 4 ft to 25 ft extension with modular jacks; tan. NEW, \$3.95 #B212-LUG, 2 ft to 12 ft with terminal lugs; 4-cond., black. NEW, \$2.50



BLACK STANDARD TELEPHONE HANDSET & CORD, old style, Used \$5. Newer-style used \$3.00

DOUBLE PLUG D178542 for handset; similar to type 289 and 298. Used, \$2.50

OPERATOR HEADSET

WESTERN ELECTRIC TYPE 52 OPERATOR'S HEADSET w/BOOM MIC, has single 150 ohm DC res. receive element and 50 ohm mic on 8" boom; 5' cord has WE396A dual PL-55 style plug. 2 lbs sh. Used-excellent, \$17.00 \$15.

OSLO TELEPHONE, sleek European 1940's phone suggests Art-Deco period; can be used as desk phone or invert for wall mount. Rotary dial, ringer, and cord with terminal lug connections. Not FCC registered; 6 lbs sh. Used, \$14.95; #OSLO-BK, black, \$14.95;



H-60 HANDSET f/TA-43-312 phones. used \$14.



H-189 HANDSET f/PRC-25, VRC-12 Used \$12.



M-80 MICROPHONE with U-229 plug. used \$10



M-29 MICROPHONE with U-77 plug. used \$5

H-250 HANDSET w/U-229, used, \$15.
H-251 HEADSET w/U-229, used, \$14.
H-63 HEADSET & BOOM MIC used \$12.
H-91 HEAD & BOOM MIC w/U-77, \$14.
H-144 HEAD & BOOM MIC w/U-77, \$15.
H-161 HEAD & BOOM MIC w/U229, \$25.
H-182 HEAD & BOOM MIC w/U-77, \$18.

SOLDERING STAND

SOLDERING IRON STAND handy item for the builder-hobbyist; has 2.6" x 5.3" cast iron base with sponge tray and 5" coil with insulating funnel; 3 lbs sh. #SS-IS-101, NEW, \$3.50

REODES 60 SEC TIMER, times from 2 to 60 seconds; bell signals time elapsed. 3" dia plastic case; 1 lb sh. #56414, NEW, \$2.50 each.

12 VDC COUNTER

6 DIGIT MECHANICAL COUNTER 12 VDC non-resettable; black numerals on white. Rear mount flanges; o/a 1.3"x1.5"x2.5"D, 1#. #E07B10DC12, NEW, \$2.95

CANVAS BAGS, STRAPS AND COVERS, MAY BE USED OR UNUSED. ALL ARE CLEAN WITHOUT TEARS. SHOULDER STRAPS ARE ADJUSTABLE AND MADE OF COTTON WEBBING.

CW-216 ACCESSORY BAG f/PRC-8-9-10; holds antennas & handset. O/a 19"Hx5"W (tapers to 3"W at bottom) x3.5" deep; w/snap cover and clip for ammo belt. Used, \$6.

ST-120 BACKPACK HARNESS & M-1956 SUSPENDERS f/PRC-8-9-10, \$8.

CW-206 ROLL BAG for MS-116-117-118 mast sections and related; snap and web strap closure. O/a 40" long x 3" high x 5" deep. Used, \$7.50

CW-167 ANTENNA ROLL BAG for AB-21-22-23-24 masts, \$6.

PRC-25/77 CANVAS, used: ST-138 Radio Harness, \$12; CW-503 Accessory Bag, \$6.

GRC/MRC EQUIPMENT COVERS: CW-329 f/GRC-3--8, NEW \$8. CW-330 f/VRC8-9-10 NEW \$7.

FIELD PHONE CANVAS CASES: for EE-8 w/strap, used \$5. CY-1277 for TA-43/312, \$6.

BRAKE LIGHT

AUTOMOBILE BRAKE LIGHT, 5.5"W x 2.8" H red lens on black plastic stand; top swivel adjusts light angle. German mfg; o/a 7.5"H max. 2#. #BL-G10005, \$3.95

AUDIO

AUDIO RECORDING TAPE on 7.5" plastic reels; 1 mil 1800 ft. Major manufacturers; bulk ordered. 2 lbs sh. #AST7586. Used, \$1.00 ea; 5 for \$4.

1820-2520 MHz

LOCAL OSCILLATOR w/6BM6 klystron in tunable reflex cavity; three probe coupled outputs; requires -300-600 V rev., -700-475 V grid, -200 V beam, 2.5.3 VAC fil. 7-BNC conn & info: 12x4x4, 5#. #OSC/R418, \$45.

TIME-O-MATIC SIGN CONTROL, 115 VAC 60 Hz. THREE CONTACTS RATED 15 AMP EACH. TWO ALTERNATELY MAKE AND BREAK ONCE PER SECOND FOR 15 SEC; OTHER BREAKS FOR 20 SEC. AT THE SAME TIME. THEN ALL THREE MAKE AND THE CYCLE REPEATS. SIZE: 3x5x6; SHPG. WT.: 5 LBS. #53 K-155, \$4.95

CARD SCANNER

CREDIT CARD SCANNER, uses optical system to read raised numbers of credit cards into a photo array. Small AC motor drives card through reader; w/connector diagram. 5x5x4, 3 lbs. #ECR2020, used \$4.95

HEAD MOUNT MASK masks extraneous light during low light viewing of instruments--nice Halloween mask. too! Rigid rubber w/velcro adjusting straps. #5855-179-858T. unused, \$4.95

TX CHASSIS

EXMITTER CHASSIS for 2-12 MHz range; p/o GRC-9 set described elsewhere but "demilitarized" by "whack" on the tuning control. Still a good source of quality switches, coils, and other RF parts. Less tubes and indicator; 10.5x10.5x6.8, 18 lbs sh. #TX/GRC-9-D, *AS-IS*, \$7.95

12-DIGIT FLUORESCENT DISPLAY DIS-PLAY, 3/8" digits 0 thru 9, -, ., and decimal point. Tubes 2"H plus IC's, transistors, etc. 9x8.5x2.5, 4 lbs sh. #PDS-2, \$3.50

12-DIGIT FLUORESCENT DISPLAY, 5/16"H characters, 1-5/16"H DG-10A tubes; 21 resistors, IC's, etc. 5.3x7.4 3 lbs. #DP-3204, \$3.00

INDUCTOR PCB BOARD has 2 100 uH and 2 1200 uH inductors 3/4"H x 1-3/8" dia; also 2/4000 mf 20 v. 3/7000 mf 25 v axial caps. xistors etc. 3 lbs. #54-014335, \$2.

TALLY OSCILLATOR with ferrite coils, 81.9-72.5-44.7-42.9-35.5-34.9-30.2 mH and 39.5 V caps 0.001-0.47 mf and 9/2N3565 xistors. \$2.00

HONEYWELL HUMIDIFIER CONTROL

as used on home humidifiers. Plastic element tape senses 10%-70% humidity and closes normally open 120 VAC contacts depending on setting of variable control. Shaft 1x2 dia; o/a 1x1x4. #H46B1150 NEW \$1.95

THERMAL SWITCH opens 30 sec. after cooling. Operate 130 vac. 2m ohm res. 1x1x2, 20" leads. M-4199 \$1.50

HEATING ELEMENTS

NICHROME 650 WATT HEATER WIRE-COIL, 8 ft long; 2 lbs #NHC-650W, NEW, \$3.95

BRYANT STRIP HEATING ELEMENT, 120 VAC 150 watts; 1 1/2" x 8"L including mounting flanges. 2 lbs sh. #6115-931-7883, 1EW, \$2.95

LOOP COIL TYPE, 9" long; 115 VAC 30 w. #83975, \$2.00

TIMER BONANZA

CARTRIDGE TIMER CONTROL, part of early home video system; cheap gizmo with interesting parts: 115 VAC timer motor with upto 8 hr delay and SPDT contacts. 18 V 200 ma transformer. 12 VDC SPDT relay, SPDT and 4PDT slide switches, etc. 3.9x9.5x2, 2#. #CV-TC87, \$1.4 for \$3.

LONG DURATION TIMER with 115v RESET RELAY, 115v 60 HZ 1/16 RPM MOTOR. CAM ACTUATES SPDT MICRO SWITCH. 3x2x2. UNUSED \$2.95

ILLUMINATED CLOCK MECHANISM AS USED ON CLEAR RADIOS. CLEAR PLASTIC FRONT TO TRANSMIT LIGHT, NO HANDS. HAS 60 MIN TIMER ALSO HAS ON-OFF-AUTO ALARM 2"sq FACE. 115V-60 HZ. Unused, \$1.50 \$1.00; 5/\$4.

SYNCHRON CLOCK MECHANISM, No.610 110 V. 60 CYCLE 3 WATT 1 RPM #EC-129RB, WITH GEAR ASSY, NO RESET OR COVER. 2x2x2 1/2, 4oz. \$1.35

50-87 TIMER ASSORTMENT, 5 various timing device; mixed volt ages, mixed speeds. \$2.50

TX-RX CASE LEATHER CASE for handheld transceiver; snap-flap for attaching to belt. Interior 8" deep x 3"W top tapers to 2.75"W bottom x 1.5" thick; right-side cutaway for control access. Quality made in USA by Merzon; o/a 10.5"L, 2 lbs. #19470217P11 NEW \$7.50

3" DIA 0-360 INDICATORS, usable for antenna position project. I-81, 5 marks, used \$8.95 ID-637/ARN, 3 marks and VAR knob, unused, \$10.95

PARTS GALORE

TELETYPE PHOTO SELECTOR part of an obsolete pay TV system which featured pre-recorded tape program review, coin deposit register mechanism, and audio amplifier-power supply with 4" speaker. Generates 8 Mhz signal to trigger mechanism and 45 Mhz video output. Tape magazine has recording head and plays 60' of 1/2" tape in continuous loop. Mechanism has 4 RPM Cramer 115 VAC motor plus other motor, gears, etc. Lower supply output 150 VDC 100 ma and 6.3 V 3 amps. Tube line-up 3/6J8, 6BE6, 6EA3, and 12BH7. Cabinet 15x7x7, 21 lbs sh. Our bargain price is worth the tape magazine, coin mechanism, power supply, or tubes alone. NEW, \$6.95

KEY ALARM ALARM CONTROL PANEL w/5-position key lock wafer switch, SC628 Sonalert 6-28 V 1-14 ma, and five panel lights. 11.3x4x8 2 lbs. #ALRM-SC628 w/key, \$7

205 MM COPY LENS apertures F4.5-5.6 6.3-8-16 on mtg board. O.D. 3" x 3"L; 2 lbs sh. #AA-L205, used, \$9.

ID-66/APA-44 AIR SPEED INDICATOR; CONTAINS A KOLLSMAN TRUE AIR SPEED METER AND A INDICATING WITH A RANGE OF 84 TO 434 KNOTS. HAS GSTER MOTOR AV-240, RELAY, 1/6AK5 TUBE, COMPENSATING DEVICE PLUS MAIN OTHER COMPONENTS. 15x7x5; 20 LBS. USED \$10

50-87

TENSION GAUGES PRECISION GAUGES for measurement of tension or weight. NEW: #LP-36 SPRING SCALE, 36 oz X 1.2 oz or 1 KG X 20 G scale; 2" long assembly 5.5"Lx1.5" o/a 14.3" long Chatillon. \$8.

#68B SPRING ARM, center zero, left-right reading; 0-70 grams in 5 gm steps. Not stainless; 6.1"Lx1.6"W. NEW \$8.

I-82 or MN-98 RADIO COMPASS INDICATOR, 5" dia, 0-360° increments, and AY-54 autodyn. Use in antenna position projects (see 9/79 QST); 4 lbs sh. Used, \$22.

MC-507 SELSYN-INDICATOR

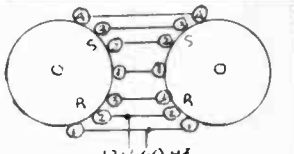
transmitter unit usable in wind direction and beam locator systems. Has 3" dia 0-360° scale 5° steps; 12-24 VAC 60 Hz req. 2 lbs. \$8.95 2/\$15.

I-91(*) RADIO COMPASS INDICATOR 360 deg. sc. used w/ARN-6 sys. 3.2"x3". (can be used with wind direction system) used \$9.95

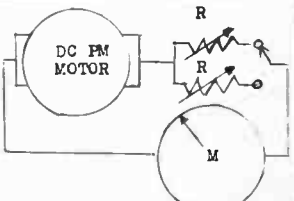
PILOT INDICATOR

MG-2 PILOT INDICATOR for bomb NAV-system. Separate scales 150-0-150° TURN and 360-0-360° TIME TO GO. Two Sperry selsyns mounted in line; 24 V 400 Hz originally but works on 12 V 60 Hz with some response loss. 10x3.8" dia, 4 lbs. \$15.95

WIND DIRECTION



WIND DIRECTION INDICATOR using 26 V 400 Hz 1 phase selsyn transmitters. Design wind vane and indicator for monitoring wind direction from indoors; (two required). #TX/SEL, Unused \$9 ea. Used, \$6 ea.



WIND SPEED INDICATOR using a 24 VDC FM motor as a generator, a 1 millimeter and a resistor range scaler so that wind speed can be monitored indoors. We will supply the FM motor and a 3 1/2" rd 0-1.0-50 scale (FS-1 ma) meter; you design the rest. #WS-MOTOR & METER, \$7.95

AY-1 AUTOSYN MOTOR AS USED IN I-81, I-82 ETC. DIRECT REPLACEMENT. \$5.95

I-81 & I-82 ARMATURES ONLY #3H2716/A1, UNUSED, \$3.95 I-82 GLASS ONLY, \$2.00

SMALL INVERTER SUPPLY

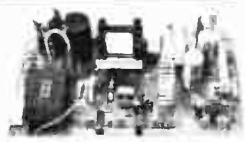
TRANSISTOR INVERTER POWER SUPPLY, input 24 VDC 500 ma output 110 VDC 60 ma. Can be used to supply B+ for low power tube type receivers. Transformer has 286 VCT 70 ma secondary. Other uses possible with modification. Reduced output at lower input voltages. Schematic included.

3 1/2 x 2, 2 lbs sh. #522-1091-004, used-checked, \$9.95; used-defective \$4.95. DA-15S FLUG to fit above inverter, \$1.50 ea.

MICROCOMPUTER SUPPLY

POWER SYSTEMS MICROCOMPUTER SWITCHING POWER SUPPLY, made for one the "big" in the micro circus who quit the "show":

outputs +5 V 7 amp, +12 V 3 amp, -12 V 250 ma. -5 V 300 ma from 115/230 VAC 50/60 Hz input. Made in 1984 so is the very latest design for your micro or other project. 7.8x4.4x1.5, 2 lbs. #PS1558 NEW \$29.95 \$24.95



NORTH ELECTRIC MODULAR POWER SUPPLIES, stable solid-state units removed from equipment. All 115 VAC 60 Hz input; outputs -5% @ 40 centigrade. Appearance varies from picture; 20 lbs sh wt approx.

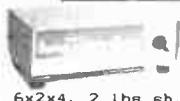
#N65006A 5.0 VDC 35 amps \$45.00
#N11006A 6.0 VDC 3.5 amps \$12.00

ELECTRO MODEL 50 18-22 VDC 2 amps \$20 \$15
PXC PXC-C-36 36 VDC 2.3 amps \$22 \$16

T-BAR #5000-M974 24 VDC 6 A rackmount, \$35.

SPERRY #4113281 SUPPLY, outputs +48 VDC 5.5 amps, +6 V 5 A, -12.5 V 2.5 A from 115/230 VAC in rackmount, 45 lbs. Unused, \$50 \$35.

12-14.5 VDC SUPPLY

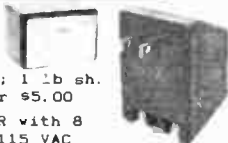


CB POWER SUPPLY, regulated 12-14.5 VDC 500 ma continuous; 1500 ma intermittent. With 6' AC cord and replacement On-Off switch #CB-PS-12, NEW, \$7.95

6x2x4, 2 lbs sh.

POWER CONVERTERS

ASTEC DC-DC CONVERTER designed for PC board mount; +5 VDC input produces -12 VDC 85 ma output. 1.2x1.5x1; 1 lb sh. #AA7210, \$2.95 ea; 2 for \$5.00



PLUG-IN WALL TRANSFORMER with 8 VAC 750 ma output from 115 VAC input; lug output connections. 1.5x2.5x1.5, 1 lb sh. Potrans #WP410608, \$1.95 ea; 2/\$3.

POWER HEATSINK

POWER UNIT HEATSINK ASSEMBLY, 5.3x4.8x1.1 plate with three 2N3055's, two diodes, On-Off switch, and fuse; 3 lbs sh. #AE-HS-3T, used, \$2.95

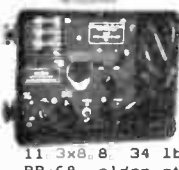


TRANSFORMER & DIODE ASSEMBLY with Signal 24-4 transformer which has two 12 V 4 amp secondaries. Also two 200 V 40 A diodes, two 300 V 25 A SCR's, and a P&B 120 V 50-60 Hz DPDT relay w/10 A contacts. W/schematic. 10 1/2 x 3 1/2 x 3 1/2, 8 lbs. #ASI-M912VPS, \$12.95

SANGAMO DC SUPPLY



SANGAMO DC POWER SUPPLY, output +5 VDC 2.5 amps and ±12 VDC 250 ma from 115 VAC 60 Hz input; transformer-type. Modular-style chassis w/On-Off switch, fuse, and marked output terminals. 5.1x4.1x13.3, 9 lbs. #SANG-696515, used \$10.00



PP-68-B VIBRATOR SUPPLY, 100 to 110 VAC 60 Hz 15 or 50 watt output from 6 VDC 6/13 amp (15/50W) or 12 VDC 3/6.5 A input. With 66" cable. 9.8x11.3x8.8 34 lbs. Unused, \$33.00 PP-68, older style, used-chkd \$23

MRC-66 DC TO DC SUPPLY

MRC-66 DC TO DC SUPPLY has two separate DC to DC transistor inverters operated by 24 VDC input: Output "R" -70 V bias, +100 VDC 20 ma, and +200 VDC 100 ma. Output "T" +200 VDC 150 ma 70 VDC (isolated +, -) 75 ma, and 6 VAC 5 amps. Inverters in separate boxes which can be removed and used independently. Also has 24 VDC control relays, Reg-Ohm regulator for 6 VAC, locking cabinet with cover & key, plug, and schematic. 9 1/2 x 16, 21 lbs. \$22.00

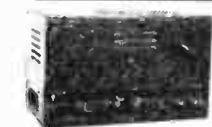


LAMBDA DC SUPPLIES



LAMBDA MODULAR POWER SUPPLIES, 105-125/210-250 VAC 47-63 Hz input; outputs +5% @ 40 C. Used-good cond: WLOS-7-5, 5 VDC 3 amp 4.8x4x2 3 lbs \$14.95

12/24 VDC 22/11 A



CFP-2 POWER SUPPLY output 12 VDC 22 amps or 24 VDC 11 amps. With mains and load control and output mode indicator lights. Input: 90-130 VAC 60 Hz. Size: 11x16 1/2 x 10 1/2, 90 lb sh wt. Used, \$55.00. Now \$45.00

DYNAMOTORS

DM-21CX used \$20	DA-101 used \$17
DM-32 used \$4	DA-102 used \$12
" re-nev \$5	DY-9 used \$9
DM-35 re-nev \$20	DY-10 used \$14
DM-36 re-nev \$7	BD-83 re-nev \$10
DM-53 used \$6	PE-73 re-nev \$30
DM-53 12 V \$7	PE-86 re-nev \$8
DM-64 used \$10	PE-94 re-nev \$20
D-10A used \$5	BD-69 re-nev \$10
D-401 re-nev \$8	PE-133 used \$10

12 VDC DYNAMOTOR & FILTER BASE 21215A for RU-18 WW-2 aircraft receiver 7.4x4.4x5 10 lbs sh. #21215, unused, \$16.00

28 VDC SWITCHING SUPPLY



28 VDC 1.25 A SWITCHING POWER SUPPLY also outputs +12 V 1.5 amp, +5 V 4 A, and -12 V 0.5 A; requires 115/230 VAC 50/60 Hz input. Not for RF applications. 5.5x10. 4 lbs. #PS-1486, \$19.95 \$14.95

5 VDC 28 AMP



HEAVY DUTY SWITCHING POWER SUPPLY with "heavy duty" outputs +5 VDC 28 amps, +12 V 4 A, -12 V 1 A, and +24 V 1.5 A from 115 VAC 60 Hz input. Has On-Off switch, 3-prong input connection and 16-pin Molex output connector; removed from equipment. 2x5x13, 6 lbs. #SWPS-528, \$14.95

SCR HEATSINK ASSY

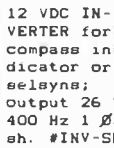
SILICON RECTIFIER BRIDGE, single phase half-wave; GE #C14114CX5 or equivalent. Rating: approx 500 V 35 amps. 7x6 1/2 x 5, 4 lbs sh. #KS-195761L, used, \$8.95 \$4.95



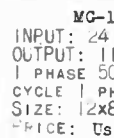
INVERTERS



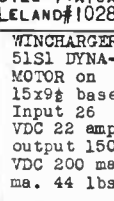
JACK & HEINTZ INVERTER #AN-3533, input 27.5 VDC 37 amps. Output 115 VAC 400 Hz 500 VA, 3 phase voltage regulated. 16x9.5x6, 40 lbs sh. Used, \$40.00



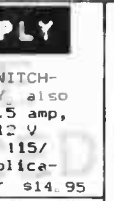
12 VDC INVERTER for compass indicator or seelays; output 26 V 400 Hz 1 1/2. 2.6x7.8x5, 5# sh. #INV-SEL, unused, \$22.



MG-149H INVERTER INPUT: 24 VDC 36 A. 750 VA. OUTPUT: 115 V. 400 CYCLE 1 PHASE 500 VA & 26 V. 400 CYCLE 1 PHASE 250 VA. SIZE: 12x8x8; WT: 25 LBS. PRICE: Used, \$45.00



INVERTER INPUT 27.5VDC 60A OUTPUT 115 V 400 CY 750 W 3 PHASE 26 V 400 CY 50 W 1 PHASE SIZE 11x10x6; WT: 40 LBS. LELAND #10285 USED \$34.95



DM-42 IN-42 DYNAMOTOR; INPUT: 12 VDC 39 AMPS. OUTPUT: 100 AND 115 VDC @ 215 MA. 7x7x1 1/2 42 LB. RECOND. \$15. #LV-DYN/T195, input 10 amps output 250 VDC 300 ma, -45 VDC 10 ma, and 115 VAC 30 VA 400 Hz. 8 1/2 x 3 d. \$25.

HIGH VOLTAGE



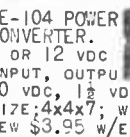
ACE HIGH VOLTAGE POWER SUPPLY, OUTPUT: 3000 VDC 50 UA APPROX. INPUT: 115 V. 60 Hz. USES TWO 1B3 RECTIFIER TUBES. WITH MOUNTING FLANGE. SIZE: 6x7x2; SHPG. WT: 8 LBS. UNUSED. #ACE-HV3000, \$5.95

SPECIAL! 3 for \$10.00

DC CONVERTER



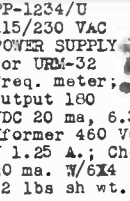
ADTECH DC TO DC CONVERTER, 28 VDC input; outputs 5 V DC 10 amp & +/-15 VDC 2 amp. 2.3x4.8x10 5 lbs. #3DB5-15N NEW \$12.95



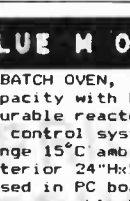
PE-104 POWER CONVERTER. 6 OR 12 VDC INPUT, OUTPUT 90 VDC, 1 1/2 VDC AND -45 VDC. SIZE: 4x4x7; WT: 10 LBS. NEW \$3.95 w/EXTRA VIB. \$4.95



PP-855/PRC-14 VIBRATOR POWER SUPPLY WITH FILTER NETWORK. 6 VOLTS DC INPUT, 5.35 AMP OUTPUT 135 VDC @ 155 MA. SIZE: 7 1/2 x 2 1/2 x 2 1/2; WT: 3 LBS. NEW \$4.95



PP-1234/U 115/230 VAC POWER SUPPLY for URM-32 freq. meter; output 180 VDC 20 ma, 6.3 VAC 1.1 amp. Xformer 460 VCT 20 ma, 6.3 V 1.25 A; Choke dual 20 Hy 20 ma. W/6X4 tube. 12x3 1/2 x 1 1/2 12 lbs sh wt. Used, \$14.95



PP-18 CONVERTER 12 VDC 4 amp to 24 VDC 1.5 amp; parallel for more current. With vibrator & plug; 6.5x5.5 x 8.5, 10 lbs. UNUSED, \$5.95

BLUE M OVEN



BLUE M BATCH OVEN, large 8 cubic feet capacity with Power-O-Matic 60° saturable reactor proportioning control system; temperature range 15°C ambient to 180°C. Oven interior 24"Hx24"Wx25"D. Units used in PC board testing and have removable 5x6 card rack installed for thirty 4"x14" cards. Also extra power control electronics, running time meter, and large 0-250°C West temperature meter. Requires 208 VAC 60 Hz 2.7 KVA 1 phase. 86x37x34, 300 lbs. #POM-5863BX, used \$695 \$550.

SPEED CONTROL

WALL MOUNT SPEED CONTROL, solid-state unit designed to adjust speed of Miami-Carey ceiling fans is rated 120 V 60 Hz 3 amps. Use to vary speed of any motor of similar rating. Includes aluminum mounting plate for standard outlets, hardware, and wiring info. 1 lb sh. #MSCW/KIT, NEW, \$5.95

TUBE SOCKETS



4X150 SOCKET PAIR f/
T-195 xmitter modlr
4x3x2, #T195/4X150
Removed, \$10.

CERAMIC PLATE CAPS, cut-offs.
5/8" Size, \$7.5; 3/8", \$6.00
OCTAL TUBE SOCKET EXTENDER,
plugs in to save wear-and-tear
on your tube checker's octal
socket; #1189, NEW \$1.75

U-102 OCTAL TEST SOCKET, test
points for octal tube; plugs
into socket. #4578 NEW \$2.50

TUBE SOCKETS, used/unused:
Octal-moulded/bakelite, ring
mount or 2-hole mount, \$4.0 ea
Octal Ceramic, ring mount, \$6.5
Octal moulded, 2-hole, \$4.5 ea
Miniature 7- or 9-pin, moulded
or bakelite \$3.35; ceramic \$6.00

OCTAL PLUG, mates to octal tube
socket; shell cap w/side out-
let. #83-CP8/3-17, NEW, \$1.25

JOHNSON CERAMIC SOCKETS
#210 for 811-866, used, \$3.00
#214 for 750TL/1500T, \$5.00
#234 for 715/718, \$2.50
#237 for 813, \$5.00
#244 for 8008, used, \$2.50
#247 for 829-832, used, \$2.00

4X150/4CX250 sil-
ver-plated socket
w/chimney & 1100
pf bypass capaci-
tor. #122-215-2, used, \$18.00

TUBE SHIELDS for 7-9-pin mini-
tubes (specify type), used \$4.00

BLACK IERC-type SHIELDS f/ mini
tubes: (Specify tube #) \$85 ea

BLACK IERC-type SHIELD f/ large
octal (6080-size) tube, \$1.50

SHIELD for 4-400A, used, \$6.00

TERMINAL BLOCKS--TELEPHONE TYPE
#T4X10F4A, 4 rows,
ten terminals each;
total 40. Size: 3.5x
3x2. Unused, \$4.25

WB 2-rows 25-term; used \$2.
4B9B65 40-term, flat mt. \$2.

879-9661 3 rows of 30 terminals
one side wire wrap.
size 8-7/8x2-3/4x1-3/4 \$3.50
AIRCRAFT STYLE TERMINAL STRIPS
AN-3436-2-6 6 term. 4x7/8x11/16
6-32 studs on 19/32 centers .55

AN-3436-4-16/10 term. 12x1x1
10-32 studs on 3/4 centers \$1.25

5EK-22 BOX Consists of 3 AN-3436
terminal strips 13 term. each &
2 AN-3436 9 term. ea. The 10/32
studs extend thru. the phenolic
board and have solder terminals.
Board size 5x8x2; 4lbs \$2.75

RF TAP SWITCH

POSITION CERAMIC
TAP SWITCH for 100 W
WW-2 transmitter;
2.3x2.3x1.8. 1 lb sh.
#329605 unused, \$3.95
10/32 100/3265.

TERMINAL STRIPS WITH
CLIPPED WIRE
BARRIER TERM. STRIPS AVAILABLE,
3/4, 1 & 1 1/2" WIDTHS, 2 TO 16 TERM
INALS. TWO TERMINAL 20¢ EA. EACH
ADDITIONAL TERMINAL 3¢. WE WILL
SHIP CLOSEST TO YOUR ORDER.

HEAVY DUTY TER-
MINAL STRIPS.
APPROX. 2" Wx 1/2".

8 " 6 " 2.00 SCREW DOWN
12 " 8 " 3.00 HOLDER TYPE \$4

Capacitors



CENTRALAB 850-
SERIES high
voltage "door-
knob" capaci-
tors, 0.5" H x
0.75" dia; Used, \$3.95 ea
Specify: 10, 50, or 75 pf
(7.5 KV) or 100 pf (5 KV).

TYPE 858, 1000 pf 5 KV, \$6.
TYPE 857, 50 pf 15 KV, \$4.

MICA CAPACI- MFD WVDC CM
TORS used .02 600 55
in RF power .01 1200
circuits. .022 1200 60
JAN CM-size .005 1200
less than .0062 1200 55
1.8"x1.6". .0004 2500 55
used, \$1.25 35 pf 3500 60

CM65 .002 mf 3500 WVDC, \$2.
FIL-size MICA, 2.8x1.8x1.3:
0.006 mf 2500 WVDC, \$4.00
0.0001 mf 3000 WVDC, \$4.
0.001 mf 3000 WVDC, \$4.50

F2L-size MICA, 3x1.8x1.3:
0.0006 mf 2500 WVDC, \$4.25
0.00007 mf 3000 WVDC, \$3.
0.0051 mf 3000 WVDC, \$5.00
0.00022 mf 5000 WVDC, \$5.
0.002 mf 5000 WVDC, \$6.00

F3L-size, 0.004 mf 8000
WVDC, 3 lbs sh. NEW, \$12.

COMPUTER GRADE

MFD	VDC	SIZE	PRICE
23000	7	5 1/2 x 1 1/2	.60
		Bank of five	2.25
61000	10	4 x 2 1/2	1.50
150000	10	5 1/2 x 3	3.25
28000	15	4 1/2 x 2	2.00**
5200	20	3 1/2 x 1-3/8	1.25**
40000	20	4 1/2 x 2 1/2	2.75**
52000	20	6 x 3	2.85**
18000	25	4 1/2 x 2	2.00**
16500	30	4 1/2 x 3	2.00
25000	30	4 1/2 x 3	2.25
54000	30	6 x 3	4.00**
18000	35	4 x 3	2.50
25000	35	4 x 2 1/2	2.75
37500	35	6 x 3	3.75
9400	40	4 1/2 x 1 1/2	2.00
51000	40	5 1/2 x 2 1/2	4.15
20000	55	5.75 x 3	3.25
1000	50	3 1/2 x 1 1/2	1.20**
23200	50	4 x 3	3.25**
3500	55	4 x 3	2.00**
11000	60	4 x 2.5	2.65
56000	20	6 x 3	2.20**
950	75	4 x 3	2.00
5200	200	6 x 3	7.50
1400	99	4x2 dents	1.00**
2700	300	5 1/2 x 2 1/2	5.00**
900	165	4x2 dents	1.00**
1250	180	4 1/2 x 2 1/2	3.00**
500	200	4x2 NEW	2.25
500	200	5 1/2 x 3	1.00**
1700	200	5 1/2 x 3	3.80
** marked, take 25% OFF!			
800 MF	250 VDC,	3.3x2, 93.	
		10 for \$24. 20 for \$40.	

8 MF 4 KV DC
case ground,
non-PCB; 8.3
x3.5x2, 4#.
#CDE-LPC212,
Unused \$10.

MOTOR-RUN
CAPACITOR,
50-60 mfd
330 VAC
plastic en-
closed electrolytic; 4.4x2"
dia. #MSP-77225, \$2.25 ea
mf 330 VDC; 2"Lx1.2" dia.
NEW \$2.25 ea; 5 for \$9.

PHOTO-FLASH CAPACITOR, 750
mf 330 VDC; 2"Lx1.2" dia.
NEW \$2.25 ea; 5 for \$9.

ANTENNA CIRCUIT SWITCH
100 WATT
3/MAKE
3/BREAK
SIZE:
4 1/2 x 2 1/2 IN.
#379626
\$2.50

RESISTOR PAIRS
on brackets;
rating/size f/
each resistor:
0.2 ohm 100 W 6x1, 2# \$3/pr

EDGEWOOD RIBBON RESISTOR,
0.67 500 W; 11x2, 3# \$8.

ROTARY SWITCHES

1-POLE 17-POSITION 2 1/2" dia
bakelite; 3/8x1" dia shaft.
CRL #PA3001 NEW \$1.95; 2/3#

ROTARY SWITCH, 2-DECK. ONE
4PDT MOMENTARY BOTH SIDES;
OTHER 2PDT MOM. B.S. AND
IMPCT MOM. 1-3/8" DIA.; CER-
AMIC. #329825-20, \$1.00
MINI-ROTARY, 1-pole 3-pos.
shorting. 1" dia; 1/8" dia
shaft. No hardware.
#LED-M13-S, unused, 75#

THUMB-WHEEL WAFER
SWITCH, 18 POSIT-
ION, NUMBERED, 2
MOLE MTG. HORIZON-
TAL OR VERTICAL,
2 1/2 x 3/8" # 960 NEW \$1.25
SAME AS ABOVE 10 POSITION
2 1/2 x 3/8" # 980 NEW \$.75

2-DECK 5-POS w/OFF-ON swit-
ch 2/SPST 8 A 125 V. 2 1/2 x
1 1/2, 1/2" d shft. #2D5PSW \$3.

MALLOY NON-SHORTING TYPES:
#32E4J 3-circuit 4-pos \$1.
#3243J 4-ckt, 3-pos., \$1.10

2-DIGIT THUMB SWITCH
00 to 39; can be mod-
ified to 99 but one
digit has 1-pole 10
pos wafer, other binary
code output. Digitar Serie
23000; 1 1/2 x 1 1/2. NEW \$1.75

Rotary switch one deck 17-
position, one tie deck. 1 1/2"
x1. silver pl. SW-249 \$2

CERAMIC 2-pole 4-position:
1-5/8" dia, 1"x1/4" dia
shaft. #SW 1064-4 NEW \$2.25

DAVEN SWITCH

18-POSITION, CON-
TINUOUS TURN, 2"
dia. Zinc-silver
contacts. 9x2 1/2" dia
shft. #329825-92.2
Unused, \$3.00

Miniature tap switch 1 pole
7-position rated 1 amp.
1x3". Grayhill 7 pos. \$2.00

FIVE-DECK ROTARY SWITCH,
each 2-pole 4-pos; bake-
4x1.6" dia; shaft 1/2x1/4"
dia. #SW/RM39, used, \$1.25

CERAMIC 2-deck 8-position;
1-3/8" dia wafers. Shaft
1/4" dia. #383-5447, \$2.50

CERAMIC 1-deck 11 position
1-3/8" dia wafers; 1/4" dia
shft. #SW112/TV2, used, \$3.

BAFELITE 1-DECK 1-POLE 10-
POSITION w/stop, 1-3/8" dia
wafer; #1110-3713 NEW \$1.25

DUAL CONTROL SWITCH, 1/2"
dia outer shaft switches 1-pole
4-position rotary; 1/8" dia
inner shaft adjusta 50K ohm
pot w/on-off. #3540 NEW \$2.

RESISTOR PAIRS
on brackets;
rating/size f/
each resistor:
0.2 ohm 100 W 6x1, 2# \$3/pr

EDGEWOOD RIBBON RESISTOR,
0.67 500 W; 11x2, 3# \$8.

U-106 TERMINAL
BINDING POSTS,
"push" spring-
loaded type;
silver-plated.
Threaded 1";
o/a 1.9". Used \$1 ea.

Parts Kits

HARDWARE ASSORTMENT
from electronic e-
quipment such as
washers, screws, ri-
vets, nuts, termi-
nals; 2 lbs \$2.00

MICA
CONDENSERS
25 ASST.
10 MPPD To
6800 MPPD.
\$1.00 a KIT

COMPUTER GRADE
CAPACITOR ASST. 10
capacitors ranging
5 to 30 VDC & 1000
to 50000 mf; used.
10 lbs sh. \$4.00

PRECISION
RESISTORS
25 asst. on
boards. Car-
bon or wire
wound 1%
\$1.50/kit

RESISTORS
WIREWOUND
25 ASST.
5 to 20
Watt. Wide
range of values some
tapped. 25 ASST \$1.00

VOLUME
CONTROLS
10 ASST.
Popular
Values
\$1.00

TERMINAL
WGS, ring
spade, crim
types. Wide
variety of
sizes for all uses in
plastic box,
APPROX. 200 PCS. \$2.00

ROTARY WAFER SWITCH
six different types
Multi-decks and
contacts \$1.25

RESISTORS
25 W 4 ohm Slider +
4A fixed: 4x0.6 \$7.75
100 W 1/2 tapped 0.2-
0.4-0.4, 6:1.3 \$1.75

100 watt 750 ohms,
6.5x1.3" dia, \$1.25
110 watt 10 ohms,
8x1.3" dia, \$1.50
145 watt 80000 ohms,
12x1.2; used, \$1.50
166 watt 200 ohms,
12"x1.3" dia, \$1.75
200 watt 5000 ohms,
10.5x1.2", \$1.75
200 W 2A SLIDER ad-
just, 10.5x1.3, \$3.

Clip-Mount POWER RE-
SISTORS, 90 W 7.5"Lx
1" dia. \$1.50 ea:
800, 10K, or 16KΩ
35KΩ non-induct, \$3

120 W 7000 ohms 9.5x
1.3" dia, \$1.75 ea
140W 11 11.5x1.2 \$2

MOUNTING CLIPS for
above resistors; 1"H
ceramic insulators.
#CL-RES, \$2.50/pr.

450 WATT 301 OHM
3x, glass; 13.1"Lx
1.3" dia. #3352, \$7.

18-POS 1-POLE NON-SHORTING
SWITCH w/external auxiliary
3 amp low-voltage contacts
that "make" f/ 180° of ro-
tation. 2.3x1.8x1.6, 1/4"
dia shaft. #258-5352, \$3.00

THREE DECK 7-POSITION TAP
SWITCH w/screw terminals;
10 amp shorting contacts.
1.8x2x3.1 + 1.3"x0.3" dia
shaft. #ES32303LM, \$3.50

WESTON G-1 VOLTMETER SWITCH
1-deck 9-pos w/silver-plate
non-shorting contacts. Ro-
tates 360° non-stop. Pheno-
lic w/knob #SW-G1 NEW \$2.50

ELECTROLYTIC (E)/PAPER (P)

6800uf 16 V axial (E) 4/31
450 uf 25 VDC (E) 50¢ 5/32
1000 mf 35 V axial (E) \$3.50
1500 uf 63 V axial (E) 75¢
50-30 uf 150 V (P), 2/31.

30-30-15 mf 150 V (E) \$6.5
80-40-20 uf 150 V (E) 2/31
250uf 150 V axial (E) 2/31
25-25 uf 200 V (E), 45¢
60 uf 250 VDC (P), \$1.75 ea
160 uf 250 VDC (P), \$1.10
160-240-240 uf 200 V \$1.65
50 mf 350 VDC axial, \$1.75
40 mf 450 VDC (P), \$6.65 ea
20-20-20-20 mf 450 V (E),
3"x1.3" dia; NEW, \$1.50 ea

MYLAR AXIAL CAPACITORS:
0.01 mf 200 VDC, 4/61.00
0.33 mf 400 VDC, 3/61.00

1 KV DISCS: 7/51. 100/96.
UF .0001 .0002 .002 .0056

TANTALUMS, 35 VDC PCB-type
4.7 or 6.8 uf 4/31 10/320
40 uf 25 V, 2x2/8, 2/31.
47 uf 20 V. 2x2, 45¢

RESISTORS

3/5 W, 20¢ EA;	10/25 W, 30¢
0.5 " 10 " "	" " " "
2.0 " 10 " "	" " " "
2.43 " 3 " "	" " " "
10 " 8 " "	" " 30¢
34 " 5 " "	" " " "
35 " 5 " "	" " " "
100 " 5 " "	" " " "

BLEEDER RESISTORS

0.75 ohm 25 watt
1000 " 25 " , WW
15K " 10 " , "
15K " 3 " , "
25 " 25 " , "

1.6 OHM 220 W, 5%, \$1.50
0.05 " 105 W, 5%, 4x1, \$1.

PRECISION RESISTORS
100K ohm 0.33 W 0.1%, \$4.00
7.5K OHMS, 0.333 WATT,
0.25%, WIREWOUND, 40¢ EA.
28K OHMS 1/2 WATT, 0.05%,
WIREWOUND, 40¢ EA.

999 MEGOHMS, 10 watt 1%,
6.3"Lx0.3" dia, \$1.25 ea

DALE PRECISION POWER RES.
100 WATT 1400 ohms 1%;
3.5x3x1.8. 1 lbs., \$2.50
250 WATT 43 ohms 1%; 4.5x3
2.3 (RH-250), 2 lbs. \$3.

10K125 W KOOLOHM 3x3/4 \$4.00
3K 25 W 1% Silicohm, \$7.75
51K ohms 2 W 0.1%, \$6.00 ea
10 Megohm 2 watt 1%, \$6.50

SLIDER 50 W 500 ohm, \$1.00
228 W 1.8A, 10.5x1.6, \$2.50
220W 30A SLIDER 10.3x1.3 \$2

SLIDER VARIABLE WW RESISTOR
15 ohm 35 watt, 10¢, \$1.00
10 ohm 75 watt Ohmite \$1.50

MINIMUM ORDER \$5.00

HIGH VOLTAGE TRANSFORMERS


PRI	HZ	SE	DA Y	SIZE	WT	ST	K	PRICE
117v	60Hz	375v	40MA	2/6.3 .6A	2x4x2	4LB	#24003	\$3.95
105/115/125	780 VCT	65 ma	5x4x3x4	15	#A3499			\$5.95
200/225/250	60 Hz	6.3 VCT	4 A, 5 V 2 A					
115	60	350 CT/26 MA	2x3x3	4	647-6762			3.95
115/60	620 VCT	140 ma	4/1x5x4.9	14#	#T1/620			\$7.95
230	5 V 3 amp, 6.3 V 6 amp							
115 60	375 VCT	90 ma	5x4.3x3.8	10#	#1RX03YY/141			\$9.
	two 2.5 V 10 A, 5 V 2 A, 6.3 VCT 10 A							
115 60	780 VCT	180 ma	3.6x4.6x3.5	9#	#T44925			\$8.95
	5 V 2 amp, 6.3 V 2 A							
115 60	289 V 200 ma	5.5x4.6x4	14#	#FR146/S10				\$8.95
	207 V 125 ma, 5.3 V 1.4 A, 5.3 V 9 A							
115 60	670 VCT	70 ma	4.5x3.3x3	6#	#PSC-70			\$6.95
	5 V 2 amp, 6.3 VCT 3 amp							
115 60	900 VCT	105 ma	3.7x5.3x4.1	8#	#PCR-105			\$8.
	5 V 2 amp, 6.3 VCT 3.5 A							
115 60	1000 VCT	220 ma	5x4x4	20	#T1/610			\$10.95
	2.5 VCT 5 A, 5 VCT 3 A (1750 V insul)							
120 60	6.4/1A	3/6.4	3A	2x3x2	1	645-0612		2.25
115 60	280 VCT	75 ma	4.5x3.8x4.6	14#	#8767			\$6.95
	13.5 V tapped 1.5 V 1.2 amp, 5 VCT 3 A							
115/60Hz	360VTAPS/7/332/346v.	125MA	228v.	0.15				
	6.6VCT 4.2A	4x5x3 1/2	12LBS.	#7489394				\$3.95
115 60	610 VCT	50 ma	3.1x4x2.8	5#	#803901			\$5.95
	5 V 2 amp, 6.3 V 2.3 A, 6.3 V 0.9 A							
115/230V	600 VCT	200 ma	4.5x5.3x3.5	10#	#T103/C292			\$8.
	6.4 V 1.85 amp, 5 V 2 amp							
115 60	342 VCT	350 ma	3.5x4.8x4.1	11#	#PL-T216			\$10.
	300 VCT 1.15 A intermittent							
105-125/	1000 VCT	250 ma	8x8x6	23#	#T1/CV157			\$14.
210-250	400 VCT	30 ma	6.3 VCT 16.5 A	6.3 V 2.5				
115 60	500 VCT	10 ma	2.5x3x2.3	3#	#PHC-10			\$3.95
	6.3 V 0.6A, 6.3 V 1.2 A							
115 60	600 VCT	40 ma	2.5x3.1x3.4	3#	#T101/ME26			\$5.95
	6.3 V 2.5 amp, 6.3 V 1.2 A							
115 50	96V VCT	120 ma	4.8x4.4	3#	GE#68681			\$7.95
115 60	570 VCT	40 ma	5.5x3.2x3.5	5#	#T1/TA182			\$4.95
	220 VCT 55 ma int'l, 6.3 V 3 amp							
115 50	600 VCT	150 ma	5x4.5x3.8	10	#ME1281			\$5.95
	500 VCT 100 ma, 6.3 VCT 7 amp							
115 60	2000 VCT	500 ma	7x5.5x5	32#	#S-P244			\$39.50
	(1500 WV, 700 ma intermittent)							
115/230 60	800 VCT	50 ma	4.3x3.5x3.8	3#	#T1/T6-34			\$6.95
	6.3 V 5 A							

LOW VOLTAGE TRANSFORMERS

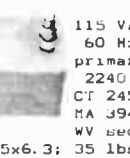
PRI	HZ	SECONDARY	SIZE	WT	STOCK #	PRICE
115v	60Hz	6v/1A 45vct/.5A	3x2x2x2	2Lb	#1461312	\$2.95
220/440	60	three 2.5 V 5 A	6.7x4.5	13#	#UB370	\$8.
		2.5 V 15 A, 3 KV test				
115 60	12 to 29.7 V	3.5x4x4.2	11#	Stancor RT-206		\$12.
	(24/11.5 VDC 6/12 amp choke input)					
115 60	Two 2.5 V 6 A	3.6x4.5x3.2	8#	#FIL-T216		\$8.95
	12.6 VCT 6 amp					
115 60	5 VCT 14.5 A	3.6x5.5x4.3	11#	#T1/T368		\$10.
	26.5 VCT 500 ma, 6.3 VCT 2.5 amp					
220v 60Hz	2.5vct	4x3x3x3	9	THR-8708		\$3.95
	5vct .3a					
115 60	6.5 VCT 11 A,	4x6x3x3	16	#FT2550		\$8.95
	6.5 VCT 6.2 A, 5.2 VCT 4.4 A, 6.5 V 7.8 A					
115 60	24 VCT 50 VA	2x3x2	3	#BK11269001		\$5.50
115 50-400	34/2.7 A	4x4x4x4	14	853-6026		\$4.50
	3.0/250 MA					
115 50/60	5/1.0 A	RD.4x2x2	6	869-2849		\$4.95
	5/1.0 A					
117 60	31v/3.27A, 15.5v	3x4x4x4	10	5950-9195		\$3.95
	.51A, 23vct/.21A, 24v .85A					
215 V 60 Hz	2.5 VCT 10 A, (10 KV)	3x5.3x3.3	6#	#T2/610		\$6.



AUTO TRANSFORMER
UTC #R-44
220/240 V to 110/120 V 50/60 Hz 250W on box w/4-breakers, relay, flange mount. O/A 6x1x4x4, \$9.



PRI: 115 V 60CYC
SEC: 850CT 280MA
280CT 10MA
5 V 5 A
6.3 V 600MA
36 V 5 A
5x5x7x7; 28 LBS.
#5950-646-3943
\$6.95



115 VAC 60 Hz primary 2240 V CT 245 MA 3943 WV sec. 7.5x5x6.3; 35 lbs. #SMB202-907. \$20.
#SMB-202912, 448 V CT 30 ma; 3x3x2x2 3 lbs. Used \$2.50

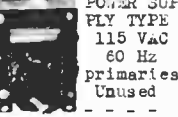
5000 VCT 325 MA

Pri: 115 VAC 60 Hz
Sec: 5000 VCT 325 ma, 7 KV rms test ma, 7.5x9.5x6.5, 80#. #T402/AM2353, \$45.

Pri: 115/50/60Hz
Sec: 1860vct 130 ma. 1500 wv 5x4x4x4; 18 lb #MB202-909 \$15

Pri: 115/230 VAC
Sec: 480 VCT 95 ma 480 VCT 75 ma 6.3 V 3 amps 3.3x5x3.5, 10 lbs #T1/CV542, \$8.95

Pri: 120 VAC 60 Hz
Sec: 2000 VAC 125 VA, 400 VCT 25 ma 6.3 V 1.2 amp, 26 V 400 ma, 3.5x4.3x3.3, 6 lbs sh. #T101/CP95, \$5.95



POWER SUPPLY TYPE
115 VAC 60 Hz primaries Unused
#B12696; 18 V 1.5 amp, 19 V 2.5 A, 10 V 4 A; 2x4x3 7 lbs sh. \$4.95
10 for \$45.00

#PT-09: 48 VCT 2.5 emps; 3x3x3, 6 lbs sh. \$5.95

#SR-44B: 36 VCT 2 emps; 7.5x2.9; 2.7 lbs. Used \$4.95

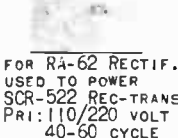
#TRA-1577: 15 VCT 3 amp, 5 V 1 A. 2x3x2, 4 lbs. \$3.95

#EMC-56: 50 VCT 3A 3x3x3x3, 8 lbs. \$5.95 ea; 10/\$54.

10V. 75 A

Pri: 220 VAC 60Hz
Sec: 10 VCT 75A. Requires 6 mfd capacitor 660 AC 6x4x5x2; 24 lbs. #126114781 \$18.95

Pri: 105-130 VAC
Sec: 600 VCT 80 ma 6.3 V 3 amp, 5 V 2 A, 4.1x3.5x4.6; 10 lbs. #193-8636, unused, \$6.95



FOR RA-62 RECTIF. USED TO POWER SCR-522 REC-TRANE
PRI: 110/220 VOLT 40-60 CYCLE
SEC: DC VOLTAGES 300 @ 230 MA BIAS 150 @ 8 A 13.4 @ 3.9 A 6x5x8; 30 LBS. #3340-296-862-192 PRICE: \$7.95

Pri: 115 V 60 Hz
Sec: 117 V 20 ma 6.3 V 700 ma; 2x 2.5x1.6, 2 lbs sh. #26R32, NEW. \$3.

115/230 VAC 50-60 Hz

Pri: 115/230 VAC 50-60 Hz
Sec: (12 V 14 A. by wiring 12 V secondaries in parallel) or 12 V 9 A, 12 V 3.2 A, 12 V 2 amp; also 44 V 2.5 amps. 5x4x4x4; 22 lbs #P-601719, \$7.95

Pri: 115 v. 50/60
Sec: 3/17 v. 5 AMP 28 v. 10"



WITH CAPACITOR REQ. VENTILATION 4x5x7x7; 20 LBS. GE-9T91A4074 \$11.95 \$8.95

Pri: 115 v. 50/60
Sec: 100 VCT 1.5A 20" 3.0A 2/20 v. 3.0A 35 v. 5.0A

WITH CAPACITOR GE-9T91A4069 REQ. VENTILATION 5x6x7A; 23 LBS. \$7.95 \$5.95


MODULATION

p/o VHF Xmitter
Pri: 9000 ohms CT
Sec: 7000 ohms, 85 ma 20 watts. 3.5x4.8x3, 8 lbs. #AF/T593, \$7.95

MODULATION TRANSFORMER from HF ART-13 transmitter; 50 w rating. Pri: 15000 ohms Sec: 7300 ohms. 4 KV test. 4.3x 3.3x2.8, 4 lbs. #677N252, \$4.95

TCS MODULATION
Pri: 6000 ohm
Sec: 6000 ohm 200 watts HF; 200-5000 Hz. 3.5x 3.5x2.9, 4 lbs. #677N201, \$6.95

ARC-38 MODULATION
Pri: 5500A 235 ma or 2000A 300 ma
Sec: 200A 20 ma 90 watt max. 3.1x 3.5x2.9, 4 lbs sh #677-0923, \$7.95



100 WATT MODULATION TRANSFORMER
PRI: 7500 OHM CT 30,000"
SEC: 3000 OHM 35W 200 MADC 600 CT. 1 W MS TEST 1,2,3 500 v. OTHERS 2500 v. 200-3500 CPS. 4x4x4x4; 11LBS #5950-646-3092 PRICE: \$4.95

T-368 MODULATION
Pri: 20000 ohm CT
Sec: 9100A 275 ma 250 v; used with two 4-125's. 6x 5.3x4.6, 28 lbs. #T5/368, \$17.50

TRANSFORMERS LISTED BELOW HAVE 115 VOLT 60 HZ PRIMARIES UNLESS OTHERWISE STATED

Sec: 18 V 5.4 A, 26 V 1 A, 6 V 900 ma, 25 V 500 ma, 35-10-0-10-35 V 5 A. 4x4x4x4, 16 lb #401-21 unused \$8.95

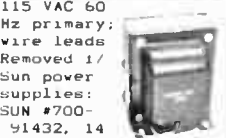
SEC: 40v 2.5A/6.3v 1.5A 3x3x5x5; 10 LBS. #43278 \$4.95

Sec: 250 V tapped 50 V 120 ma, 4 KV test. 4x6x3x3, 9 lbs sh. #BF-18587 used \$6.95

Sec: 30 vct 560 ma 40 vct 450 ma 2x2x2x2; 2 lbs. #401-6 \$3.00

Sec: 450 VCT 250 MA. 40 VCT 1 A. 2/6V 1A. SIZE: 3x3x4x4; 9 LBS. URC#732-774-00 \$6.95

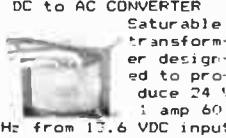
Pri: 230 VAC 60 Hz
Sec: 375 VCT 50 ma, 6.3 V 2 A; 2.5x3x2.6 3#. #8316527, \$2.50



115 VAC 60 Hz primary; wire leads Removed 1/ Sun power supplies: SUN #700-91432, 14 VCT 7.5 A two 30 VCT 2.5 A, 30 VCT 1.2 A, 50 VCT 2 A, 12 V 2 A 5.4 V 2 A 6.3 V 2 A; 4.5x5.8x5.5, 13 lbs. \$7.50
SUN #778392, 36 VCT 4 A, 11 V 15 A, 30 V 2 A, 19 V 2 A; 4x5.3x4.1, 16 lbs. \$7.95

40 VCT 25 A

REGULATING TRANSFORMER
Pri: 105-125 V 60 Hz
Sec: 48 VCT 25 amp W/capacitor. 7.5x7x6, 50#. GE#9T91V149, \$32.



DC TO AC CONVERTER
Saturable transformer designed to produce 24 V 1 amp 60 Hz from 115 VDC input in a simple transistor oscillator circuit. Feedback windings regulate frequency to 60 Hz; would work well at 400 Hz using 555 IC to drive transistors. W/ schematic. 2.5x2.8x2.3 2 lbs. #23-219, \$3.95

2/20 V 5 A

TORRIDAL-type. 4.5" dia X 1.5"H: 115 VAC 60 Hz primary. Sec: 2/20 V 5 amps; 4 lbs #4365-P152 NEW \$10.95

Pri: 115 VOLT 60 HZ.
Sec: 130 VCT @ 200 MA
Size: 3x2x2x2; 2 LB. URC#8316423 \$2.50

Sec: 26.8 vct 1 A. 2x2x2x2, 2 lb. #401-17 \$3

Sec: 24 VCT 3.5 A, 40 VCT 575 ma, 105 V 350 ma, 90 V 150 ma, 4.5x3.8x3.8, 8 lbs sh #KAL-2334, NEW. \$5.95

Pri: 115/230 V 60 Hz
Sec: Dual 64 VCT 2.2 amp; 5.8x4.6x5, 15 lbs. Unused \$15. \$12.

10 VCT 8 A secondary from 115 VAC 60 Hz pri; 2500 V ins. 3.1x3.8x3, 4 lbs STANCOR P4097, \$10.95

24 VCT 10 A secondary from dual 115 VAC 60 Hz primary. 3.8x3.3x4.3, 9 lbs sh. MWC #1411-10. \$14.95

SEC: 40 VCT 1 A. SIZE: 3x2x1x2; 1 LB. URC#56000 \$2.95

Sec: 24x2A/6.3V 100MA 24x100MA. SIZE: 3x3x3 4 LB. URC-LT-646 \$4.95

Sec: 30 VCT 200 MA. 45 VCT 100 MA/2.5V30MA. SIZE: 2x1x2x2; 1 LB. URC#374501-1 \$2.95

SIGNAL TRANSFORMER
Pri: 2/115 VAC 60 Hz
Sec: 2/6.4 VCT 12 amp 4x3x3x3, 7 lbs sh. #DL-12.8-12 NEW \$14.95

2/18 VCT 0 A

Pri: 115 VAC 60 Hz
Sec: 2/18 VCT 6 amp; wire for 18 VCT 12 A or 36 VCT 6 A. 4.5x 3.8x3.8, 10 lbs. Signal #DL-26-6. \$16.95

Sec: 125 V tapped 90 volts 3 amp. 4x4x3x3, 10 lbs. #225-3992, \$12

22 VCT 3 A.

80 VCT 1.5 A.

Pri: 100, 115 v. 60 Hz.
Sec: 22 VCT 3 A AMP. 80 VCT @ 1 1/2" SIZE: 3x3x3x4; WT: 8 LBS; #3592890015 \$4.95

ISOLATION, 230 V 50/60 Hz to 115 V 435 ma, 3/4x4x3 7 lb. #3456 \$5.

VIBRATOR TRANSFORMER
Pri: 12.6 V 115 Hz
Sec: 160 V 160 ma 2-1/8x2x3x3, 4 lbs #5950-243-5679, \$4.95

Pri: 115 VAC 60 Hz
Sec: 460 VCT 50 ma 6.3 VCT 2 amps 3x2x2x2, 4 lb. #7514 \$4

32 V 3.5 A secondary; 3.3x2.8x2.3 open frame; 4#. #X5157308 used, \$5.95

Pri: 115 VOLT 60 HZ.
Sec: 35 VCT @ 1 AMP. 6 v. @ 300 MA. SIZE: 2x2x3x3; WT: 3 LB. URC#1341155-2 \$2.50

Pri: 115 VAC 60 Hz
Sec: 45 VCT 500 ma 6 V 500 MA
Size: 3x2x2x2; 2 lbs. URC#203A6725-10 \$2.50

Sec: 80 VCT 2 amp

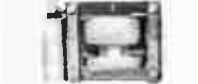
TRANSFORMERS

40 VCT 9 A



Pri: 100/115 VAC
Sec: 40 VCT 9 amp,
22 V 18 amps.
5 1/2x6 1/2, 32 lbs.
#7213-4112, \$15.

As above, but sec
39.8 VCT 8.5 A,
22.7 V 12 amps.
#56C2-1500, \$12.



Pri: 115 V 60 Hz
Sec: 15 V 3 AMPS;
13 V 2 A;
6.3 V 7 A.
WITH CAPACITOR,
4 1/2x3 1/2x3 1/2; 13 LBS.
#PV-175-9, \$4.95

AUDIO

STANCOR audio NEW:
#A3B37, pri 50C-
500 ohm; sec C.06
to 48 ohm 15 watt
2.9x2.4x2, 2# \$4.
#A8035, pri 70.7 V
line 156/312/625/
1250 ohm; sec 8
4/2/1/0.5 W. 2.8x
1.6x1.4, 2# \$2.95
#A8039, same as
#A8035 except for
25 V line, \$3.00

Pri: 600 ohms
Sec: 8 ohms 2 W
1.6"x1.3" dia
#T1/LS166, \$7.50

Pri: 250/4000 ohm
Sec: 150, 600Ω CT
400-3000 Hz; 1 1/2
1 1/2x2 1/2, 2 lbs sh.
#C-280/RM-39 \$3.

Pri 25000 ohms
Sec: 4 ohms; 5
watt. 1.4x2.4
x1.4, 1 lb. Stancor
#A-3327, \$5.

Pri 20KΩCT/30KΩCT
Sec: 1000Ω split,
1500 ohm split.
1/2"x1/4" dia. UTC
#DO-T39, NEW, \$4.

Pri: 7000 ohms
Sec: 4000 ohms tap-
ped 250 ohms; 200-
8000 Hz. 1 1/2x2 1/2,
1 lb. #247-9266 \$2.

Pri: 10000 ohms
Sec: 600 ohms CT
1 W. p/o R-390A.
1.5x2.1x1.5, 1 lb
sh. #AF/390A, \$5.

Pri: 4300 ohm CT
Sec: 500 ohm CT &
43 ohm CT, 10 W.
2.8x4x2.8, 4 lbs
#189-3742, \$5.95

Pri CT to match 5K
ohm PP 243 plates;
sec 9K CT to match
PP 100TH grids (B)
3.5x3.1x2.5, 4# sh
#55B030, used, \$6.

INTERCOM AUDIO
Pri: 45-50 ohms
Sec: 3-4/6-8 ohms
8 watts. 2x1.5
x1.5, 1 lb. Stancor
#A8091, \$3.50

INPUT TRANSFORMER
Pri: 150 ohms CT
Sec: 150,000 ohms
100-8000 Hz 1.5mm
2 1/2x1-7/8 dia, 1 lb.
#5535, \$3.50



1-177
TUBE CHECKER
TRANSFORMER
SIZE: 4 1/2x4 1/2x4 1/2
STK. # 229613.667
PRICE: \$4.95



Pri: 26/115/230 V
60 Hz.
Sec: 13 V. 8 AMPS
TWO 230V WINDINGS
TO SUPPLY 370 VDC
600 MA.
5 1/2x5x5; 22 LBS.
229613.514 \$7.95

Pri: 115 V 60 Hz
Sec: 6.3 VCT 2.5
amp, 2.5x4.8x2.5
4#. #T7/368, \$4.



ALL PRIMARIES
115 VOLT 60 CYCLE
SEC: 6V. @ 500 MA.
1 1/2x1 1/2x1 1/2; 3 oz.
URC#1378643 \$1.25

Sec: 6.3 v. 1 amp
1 1/2x1 1/2x1 1/2; 4 oz.
#E16073-001 \$1.50

Sec: 6.3 VCT 2 amp
2 1/2x2 1/2x1 1/2, 1 lb.
Stancor P-2945 \$3.

Sec: 2/30 v. 250 MA
2x1 1/2x1 1/2; 4 oz.
URC#60605 \$1.50

Sec: 6.3 VCT 1.5 A
2x2 1/2x2, 1 lb sh.
#F-16X, NEW \$1.95

Sec: 12 V 2 amps
2x2 1/2x1 1/2 1 lb sh.
#37-7622 NEW \$2.25

AUDIO BANDPASS
2320 Hz peak, 1285-
4200 Hz Band Width.
Pri 600/250 ohms
Sec: 120000 ohms
2 1/2x2 1/4, 4 lbs sh.
#321892-19, \$4.95

MIC TRANSFORMER
Pri: 50 ohms 30 ma
Sec: 500 ohms, 400
to 1900 Hz. 1 1/2x1 1/2
x1 1/2, 1 lbs sh.
#T204/PP-115 \$2.00

Pri: 500 ohms CT
Sec: 500 ohms CT,
600-12000 Hz; 2 1/2x2
x2 1/2, 2 lbs sh wt.
#T203/FP-115 \$2.00

LOW VOLTAGE TRANSFORMERS

ALL PRIMARIES 105/110/115
120/125 VOLTS 60 CYCLE.

SEC: 6.6 V. 18 AMP
3 1/2x5 1/2x4; 12 LBS.
SE#9T35Y159 \$4.95

Sec: 6.3v 2.75A/6.3
v 5.5A, 2.5 KV test
5 1/2x3 1/2x3 #7629805 \$6.

Sec: 17 V 1.5 A, 19 V 1.5 A
2.5x3x2.5, 7#. #54-902, \$4.

Sec: 5 VCT 12.6 A, 3.5x4.5
x3, 7#. #T3/6101, used, \$7.

Sec: 6.3 VCT 20 A; 3.8x4.5
x3, 7#. Stancor #P6309, \$12

Sec: 6.3v 3.1a/6.3v 2.5a/6.3
v 4.5a/6.3v .30a/2-5.0a2 amp.
#T1A017A \$3.95

Sec: 6.3 VCT 3 A, 1500 V
test; 3.7x4.5x3.1, 5 lbs
sh. UTC #S-55, NEW, \$5.

Sec: 2.5 VCT 10 A 2500 V
insulation; 2.5x2.5x3, 3
lbs. Stancor #P3024, \$4.95

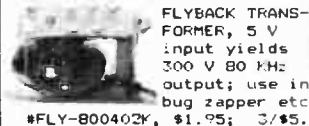
Sec: 12.5 V 2 amp, 150 V
2 A; 4 1/2x3 1/2x4 1/2, 13 lbs sh.
#773605, unused, \$6.96

Sec: 6.3 vct @ 3.4w/0.5vct
@ 13.7a/5.2v @ 6.3a/5.2v @
2.1a. 4 1/2x5 1/2x6; 15 lbs.
TRC-SMB-202910 \$6.95

Sec: 5 VCT 6 A, 6.3 VCT 5 A
(3 KV insulation); 3.3x4.5x
3.8, 6#. UTC #S-67, \$8.95

Sec: 5 VCT 5 amp; 3.3x3x2.5
4 lbs sh. #279625, \$3.95

Sec: 6.3 VCT 0.6 A, 1.5x1.8
x1.5, 1#. Stncr #P6465 \$1.50



FLYBACK TRANS-
FORMER, 5 V
input yields
300 V 80 KHz
output; use in
bug zapper etc
#FLY-800402K, \$1.95; 3/#5.

Pri: 220 VAC 60 Hz. Sec: 2/
5 VCT 3 A, 5 VCT 6A. 4x4x3
10#. Kenyon #T355-220, \$8.

Pri 8000 Ohm 250 ma sec
2800Ωct 300 ma. 200 Hz-
20 kHz 120 watts. 8x4 1/2x4 1/2
30 lbs. #T201/XD-141, \$12.

Pri: 21000Ωct; sec 8000Ω
ct 250 ma, 150-3000 Hz 250
W 7 KV test. 7 3/4x4 1/2x4, 28
lbs sh. #229635/610, \$15.

PLATE TO PLATE, pri 15800Ω
4500Ω 900 ma; sec 7500 Ω,
535 ma, 400-3000 Hz. 11x8 1/2
x10 1/2 110 lbs. 568-4831 \$36

STEP-UP/STEP-DOWN XFORMER
Pri: 115 VAC 60 Hz
Sec: 208/220 V 150 W 4.5x
3.5x3.8, 8#. #SU-SD150 \$8.

ISOLATION, pri 115/230 V
60 Hz; sec 105 VAC 1 amp
2.2x2.6x2, 3#. #A762101,
NEW, \$6.95 ea; 2 for \$12.

370 VA ISOLATION
Pri: 100/120/
220/240/260 V
Sec: 70-35-20-
20 volt. Use
secondaries in
series for 105
-110-125 V 3 amp load, 5 A
intermittent. 5.3x4.4x4.5,
17#. #BE16141, NEW \$16.95

HIGH VOLTAGE TRANSFORMERS

DC POWER SUPPLY
PRI: 115v 60 cy
SEC: -8000 v.
-25-1/4 MA.
-120v @ 15 MA
-24v @ 1.2 A
-16v @ .45 A



SIZE: 4x4x9 1/2; WT: 15 LBS.
#GE9T63Y2280G03 \$14.95

Pri: 115/230 VAC 60 Hz
Sec: 980 VCT 250 ma 5 VCT
2 A, 6.3 V 5 A; 6x4.8x4,
12 lbs sh. #T1/T593, \$12.

Pri: tap 100-150/19C-250 V
Sec: 820 V 290 ma, 25 V 299
ma; 4x4.5x4.9, 14 lbs sh.
#AL-21106, used, \$11.95

Pri: 115 VAC 60 Hz
Sec: 900 VCT 250
MA,
4 1/2x4 1/2x3 1/2; 15 LBS.
#SS-S-P243, \$7.95

Pri: 115/230 v. 60 Hz.
Sec: 520 vct @ 90 MA.
6.3v/1 1/2 A. 6.3vct 4A.
SIZE: 4 1/2x5 1/2x3 1/2; WT: 7 LBS.
#TBRX03LB/FGC-29 \$5.95

Sec: 820 VCT 120 ma, 5 V 3
amp, 6.3 V 3 A; 4.5x5x4.8,
12#. #T1/SG71, used, \$8.95

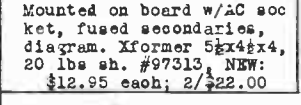
Pri: 115/118/121/124 VAC
Sec: 42 VCT 2.5 amp, 2 VCT
12 amp; 6.3x5.8x4.8, 14
lbs sh. #253-2593, \$8.95

IGNITION TRANSFORMER
Pri: 115 VAC 60 Hz
Sec: 7000 V 3.75 ma
4x5x4 1/2, 6 1/2" mtg; 10 lb
#9T63Y3068G4 used \$8.

Pri: 115/230 V 60 Hz
Sec: 920 VCT 100 ma
4/6.3 V 8 amps, 5 V
6 A, 5 V 2 amps
5x5x6, 20 lbs sh.
Paeco #910-96R \$12.

Sec 2500 V 5 ma, 2.5 V 2 A,
5.3/2.5 V 3 A; 3.5x4x3.3, 7
lb sh. #26R290, used, \$7.95

ISOLATION

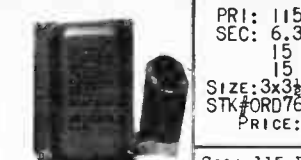


DUAL PRIMARY, each 100/
110/120 VAC 60 Hz; can be
wired for 200/220/240 V
input. Secondary 120 V
1.1 amp tapped 100 V 1 A;
8 V 2 A -0-8 V 1 A; and
16 V 1.5 A -0-16 V 1 A.
Mounted on board w/AC soc
ket, fused secondaries,
diagram. Xformer 5 1/2x4 1/2x4,
20 lbs sh. #97313, NEW:
\$12.95 each; 2/\$22.00

6336 VCT
500 MA
Pri: 115 VAC 50-60 Hz
Sec: 6336 VCT 500 ma,
7500 V insulation;
10.5x10.5x9, 90 lbs
sh. #T9/T368, used, \$85.00

335 V 300 MA, 6.3V 3A
from 115 VAC 60 Hz pri; replacement
xformer for DRAKE transceiver. 3.3x
3.3x3, 7 lbs. #17-61914, NEW, \$8.95

4800 VCT 475 MA
or 5670
Pri: 115/230 VAC 60 Hz primary, 9 1/2
10 1/2x8 1/2, 110 lbs. #229621/610, \$65.00



CONSTANT VOLTAGE
by Sola, input
95-130 VAC 60 Hz
Output: 25-27 VDC
3.5 amps. 5x3.8
x4.8, 12 lbs sh.
#22662, used, \$6.

Sec: 115 V 75 ma, 2.5 V 5A,
6.3 V 6 A, 6.3 V 3 A, 6.3V
1.8 A; 4 KV insulation.
4 1/2x7x6, 12 lbs. RP18585 \$6.

Sec: 880 VCT 300 ma, 715
WV. 4x4.4x4.4, 16 lbs sh.
#T3/T368, used, \$12.00



VERSATILE MULTI-OUTPUT TRANS-
FORMERS from DC power supplies.
Each have primaries 100/110/120
VAC 60 Hz; secondaries 26-9-3-
0.9 V (38.9 V total) @ same cur-
rent and 150 VCT 200 ma winding.
#021/D22-0050, 4 amp output v/4
diodes; 2.6x3.8x3.5, 5#, \$7.50

#023-0050C, 7 amps out; 3.5x4.3x3.5, 8#, \$12
#2002335C, 36 amp out; 5.3x6.4x4.5, 22#, \$36
#ACDC-30453, pri 115 VAC 60 Hz; sec 21.5,
11, 5 V (36.5 V total) @ 22 amps, 75 VCT
200 ma. 5.3x5x4.5, 17 lbs sh. \$24.00

#75T-2658, 80 VCT 1.5 amp (3 A int), 115
V 230 V pri; 1.8x4x3.1, 9#. \$5.95

#TS-465, 44 VCT 3.5 amp, 30 VCT 1.2 A,
9 V 1 A; 4 1/2x3 1/2x3 1/2, 7 lbs. \$5.75

#701-221, 46 VCT 3.5 amps, 7.5 V 2 A,
4x3 1/2x3 1/2, 6 lbs sh. \$5.95

#TA-600, 48 VCT 3.75 amps, 48 VCT 1 A;
4 1/2x3 1/2x3 1/2, 8 lbs sh. \$5.85

#701-129, 50 VCT 2 amps, 6 V 2 A;
3 1/2x3 1/2x3, 5 lbs sh. \$4.95

#701-203, 55 VCT 4.5 amps, 7 V 2 A;
4x4x3 1/2, 10 lbs sh. \$7.95

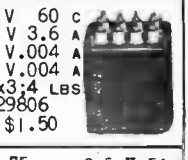
#701-205, 2/55 VCT 4 A; 4 1/2x4 1/2x4 1/2 10 lb. \$9.95

#701-206, 115/230 VAC primary, secondary two
55 VCT 3 A; 4 1/2x4 1/2x3 1/2, 10 lb. \$9.50

#701-205, 115 V 200 ma, 6.3
V 6.25 A; 2 1/2x3 1/2x3
5 lbs sh., \$4.95
#435-2054, 435 V
370 ma; 2 1/2x3 1/2x3 1/2
8 lbs sh., \$7.95
#1000-2054, 869/
930/1000 V 300
ma; 3 1/2x4 1/2x4 1/2, 14
lbs sh., \$11.95

Pri: 115 V 60 Hz
Sec: 900 VCT 160
ma; 4 1/2x5 1/2, 8
lbs. #74618 \$7.95

Pri: 115 V 60 Hz
Sec: 900 VCT 84
ma; 5x3 1/2x4 1/2, 12
lbs. #746-7167 \$4



PRI: 115 V 60 C
SEC: 6.3 V 3.6 A
15 V.004 A
15 V.004 A
SIZE: 3x3x3 1/2 4 LBS
STK#ORD7629806
PRICE: \$1.50

Sec: 115 V 75 ma, 2.5 V 5A,
6.3 V 6 A, 6.3 V 3 A, 6.3V
1.8 A; 4 KV insulation.
4 1/2x7x6, 12 lbs. RP18585 \$6.

Sec: 880 VCT 300 ma, 715
WV. 4x4.4x4.4, 16 lbs sh.
#T3/T368, used, \$12.00



COMMERCIAL GRADE TRANSFORMERS
suitable for constructing DC
regulated power supplies or
other. All 115 VAC 60 Hz pri-
maries; end bell style with wire leads. NEW:

#75T-2658, 80 VCT 1.5 amp (3 A int), 115
V 230 V pri; 1.8x4x3.1, 9#. \$5.95

#TS-465, 44 VCT 3.5 amp, 30 VCT 1.2 A,
9 V 1 A; 4 1/2x3 1/2x3 1/2, 7 lbs. \$5.75

#701-221, 46 VCT 3.5 amps, 7.5 V 2 A,
4x3 1/2x3 1/2, 6 lbs sh. \$5.95

#TA-600, 48 VCT 3.75 amps, 48 VCT 1 A;
4 1/2x3 1/2x3 1/2, 8 lbs sh. \$5.85

#701-129, 50 VCT 2 amps, 6 V 2 A;
3 1/2x3 1/2x3, 5 lbs sh. \$4.95

#701-203, 55 VCT 4.5 amps, 7 V 2 A;
4x4x3 1/2, 10 lbs sh. \$7.95

#701-205, 2/55 VCT 4 A; 4 1/2x4 1/2x4 1/2 10 lb. \$9.95

#701-206, 115/230 VAC primary, secondary two
55 VCT 3 A; 4 1/2x4 1/2x3 1/2, 10 lb. \$9.50

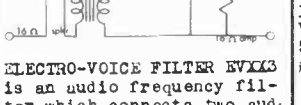
#701-205, 115 V 200 ma, 6.3
V 6.25 A; 2 1/2x3 1/2x3
5 lbs sh., \$4.95
#435-2054, 435 V
370 ma; 2 1/2x3 1/2x3 1/2
8 lbs sh., \$7.95
#1000-2054, 869/
930/1000 V 300
ma; 3 1/2x4 1/2x4 1/2, 14
lbs sh., \$11.95

Pri: 115 V 60 Hz
Sec: 900 VCT 160
ma; 4 1/2x5 1/2, 8
lbs. #74618 \$7.95

Pri: 115 V 60 Hz
Sec: 900 VCT 84
ma; 5x3 1/2x4 1/2, 12
lbs. #746-7167 \$4

Pri: 115v 50-133cy
Sec: 20 VOLT LOAD
OR 12.5V @ 2 AMPS
MOUNTED ON 4" RD.
ELECT. BOX COVER
3x3x2; 2 lbs.
#FR-24960 \$1.25

AUDIO FILTER



ELECTRO-VOICE FILTER EVX13
is an audio frequency filter
which connects two audio
amps to two speaker
systems. Bass frequencies
below 300 Hz are passed to
one side of the system and
higher frequencies are
passed without change to
both systems. Eliminates
need for two full range
systems. 5 1/2x4 1/2x5 1/2, 8 lbs.
Unused, original-boxed \$4.
W/water damaged case \$2.50

Pri: 115 V 60 Hz
Sec: 900 VCT 160
ma; 4 1/2x5 1/2, 8
lbs. #74618 \$7.95

Pri: 115 V 60 Hz
Sec: 900 VCT 84
ma; 5x3 1/2x4 1/2, 12
lbs. #746-7167 \$4

5030 VCT
500 MA
secondary:
pri 115 V 60 Hz
P/o 8C-610E; 12x
11x10, 115 lbs.
#229612, \$67.50

PLUG-IN TRANSFORM
PRI: 115V 60HZ
SEC: 24V 20VA
2 1/2x2x2; 2LB.
BE#8002 \$1.50

CHOKES

6 HY 250 MA 105 ohms 2 KV-T
4.3x3.5x3, 8#. #L123/610 \$4

19 HY 105 ma 170 ohms; 3.3x
4.3x3, 4#. CRV20390, \$5.00

4 HY 650 ma 25 ohm 1.07 kv
6.2x5x4 20 lb GE7485547 \$9

12 HY 80 MA 375 ohms; 3x2x2
1 lbs. #20C53, used, \$3.00

2 HY 100 ma 100 ohms 2 KV
test; 2x1x1 1/2 #T56379 \$2.00

10 HY 150 ma 150 ohm 500WV
3.3x3.4x4, 5#. #L3-AM20 \$5

4 HY 250 MA 60 ohm 3 KV ins
2.8x3.5x3.5, 4#. #C-1412 \$4

4 HY 550 MA 40 ohms \$4.95
3.2x4x4; 7 lb Paeco 911-39

5 Hy 500 ma 30 ohm, 5.26 WV
4.3x5.1x4.5, 15#. #8600, \$5

4 HY 400 ma 70 ohms 450 Vrms;
3.2x3.2x3, 6 lbs.
#SMD-422-745 \$4.

4 HY 300 ma 70 ohms 1000 V-
rms; 3.2x3.2x3 #SMD422768 \$4.

1 HY 700 ma 11 ohms 1K WV;
5.2x3x3 1/2, 9 lbs. L101/141 \$3

2 HY 700 ma 23 ohms 1K WV;
5.2x3x3 1/2, 9 lbs. L201/141 \$4

10 HY 400 MA 55 ohm 700 WV,
5x5.3x4, 17#. #SHB203042 \$8

20 Hy 16 ma 810 ohms; 3.2x
2.2x2, 2#. SMB202914 \$2.75

7 Hy 140 ma; 2.8x3.5x2.6,
4 lbs. GE#80G116, \$3.50

6 HY 150 MA 100 ohms 2 KV
2.9x2, 3#. #L603/390A \$3.50

150 MA AVAILABLE VARIOUS
HY TELL US YOUR NEED.

3 HY 350 MA 30 2K PV; 3.1x
4.2x2 1/2, 6 lb. L-225/PP115 \$3

3.5 HY 200 ma 90 V 1 KVRMS
3.1x4x3, 4 lbs. #7629828 \$3

TUNED REACTOR, 210 mHY 1 A
choke in circuit with 8 mF
and 4 mF capacitors; switch
selects 50 or 60 Hz opera-
tion. 1.5 ohms max DC res.
4.2x6x4 1/2 10 lbs. USC3416 \$8.

PRI: 60 V 60 Hz. SEC: 2130
V 16 ma, 112 V 4 ma, 4.2x6
x4 1/2, 10 lbs. #HAL31P \$8.95

10,000 VOLT

AMP P/N 845321-3
PRI: 115V 60HZ.
SEC: 10,000VAC 100MA
5x5x4 10lbs \$20

SCOPE XFORMERS

ACE HV POWER SUPPLY as on
page 10; 3000 VDC 50 ua
output from 115 VAC 60 Hz
input. Includes 2/1B3 tubes
6x7x2, 8 lbs sh wt. Unused.
#ACE-HV3000, \$5.95 2/10.

PRI: 112/117/122v. 60 HZ.
SEC: 228v 15 MA.
360v @ 125 MA. TAPPED
4.7v/332/346
6.6 v. 4.2 AMP.
5x3x3 1/2; 8lb. 229613-869 \$5

HV OSCILLATOR TRANSFORMER
#HP-160 & USM-105A scopes;
used with 50 Khz 6A25 os-
cillator. Two HV windings
approx 5000 V each. 2.1x2
x2 1/2, 2 lb. #3882 NEW \$35.

PRI: 115/230 VOLT.
SEC: 54.4vct 2.5A
37.5vct 7.8A

6.2x5.2x4 1/2; 20 LBS.
SCHOTT TV4X020A
\$12.95

PRI: 117v 50/60
SEC: 6500VCT
65MAOC, 4350WV
5.2x6.2x7 1/2; 35LBS
539-6504 \$25.00

HIGH CURRENT CHOKES
#6220526, 85 mHY 10 amps;
0.49 ohms DC resistance.
4.2x3 1/2x4 1/2, 15 lbs. \$9.95
#6221188, 4 mHY 8.7 amps;
0.083 ohms DC resistance.
4.2x2x2 1/2, 4 lbs. \$4.95
#WE30A, 60 mHY 7.5 amps;
0.74 ohms DC resistance.
4.2x4x2 1/2, 12 lbs. \$7.95
#WB1059A, 8 mHY 15 A; 0.11
ohms DC res. Sealed-type.
5x4 1/2x4 1/2, 15 lbs. \$8.95
#WB1060A, 2 mHY 15 A; 0.14
ohms DC res. Sealed-type.
3 1/2x4 1/2x3 1/2, 8 lbs. \$5.95
#WE241C, 2.5 mHY 25 A; .25
ohms DC res. Sealed-type.
3 1/2x4 1/2x3, 7 lbs. \$7.95

10 HY 250 ma 850 ohm, 4x
3.4x5.3, 12#. #L1/T593, \$7.

10 HY 75 ma 268 ohms; 4x2 1/2
x2 1/2; 3 lbs. #CS13886, \$3.

DUAL CHOKE
11 HY 100 MA
200 OHMS
4x4x5 1/2; WT 8
#3C557F-1
\$1.75

3 PHASE DELTA
60 HZ 400 WV
nominal 208 v
3phase
1940 WV
1370 v rms 52
ma rms per leg
5x5.4x4 1/2; 18 lb
686-6836 \$25

DUAL CHOKE, 2.5
HY 500 ma 30 ohm
240 Vrms 120 Hz
& 2.5 Hy 400 ma
35 ohm, 25 Vrms
120 Hz. 7x3.3
x3.3, 15 lbs sh.
#6452, used \$6.

16.7 HY 90 MA
110 ohm 280 WV;
4.3x3.3x3, 7#. #L301/141, \$6.

**SWINGING
CHOKE**
2.5/12.5 HY
200/20 MA
2.5x3x1.9 3 #
#L601/390A,
Used, \$4.

6.7 Hy 215 ma
2100 V test;
4x6.5x3.3, 8#
#UX6911, \$5.

1 hy 235 ma
80 ohm
2x2x1 1/2; 8 oz
#0146 \$2.00

UTC MULTI-CHOKE, 2 windings
Series: 9 mH 0.75 amp,
5 mH 1.5 A, 2.2 mH 7.5 A,
1.6 mH 15 A e 0.03A OCR.
Parallel: 2.25 mH 1.5 A,
1.25 mH 3 A, 0.55 mH 15 A,
0.4 mH 30 A e 0.0075A OCR.
3.5x4.8x3, 8#. #H-171, \$9.

PRI: 115 VAC 50-60 Hz
SEC: 420-175-0-175-420 V
60 ma, 6.3 V 9 A, 2/6.3 V
600 ma, 4.5x4.1x4.5, 15
lbs sh. #229619-135, \$6.95

PRI: 115/230 VAC
SEC: 650 VCT 70
ma, 6.3 V 3.8 A
3.2x4x3, 7 lbs sh
#24626/TS1060 \$6.

120 VAC 60 HZ in;
0-120 VAC output
Used-checked;
knobs and dials
included:
4.5 amp. NEW \$28.95
3 amp \$18.
5 amp \$24. 20 amp \$65.
40 amp \$145.00

240 VAC input; 0-240 V out
2 amp \$16.
QUANTITIES LIMITED. Write
your needs; stock changed!

12 VOLT 60 HZ input, 0-3.5
V 2 amps out. #5-1066, \$3.

VARIAC M-5/RMS11-2, 0-135V
5 AMPS FROM 114 VAC 400
HZ INPUT. #7486, \$12.95

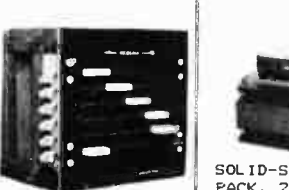
VARIAC M20BB 120 VOLT 350
20 AMP. MOTORIZED 115V400
#5950-089-7734 NEW \$65.00

POWERSTAT 136-3, three 20
amp 0-140 VAC variables
ganged for 60 amp max out-
put; 70 lbs. Used, \$175.00

POWERSTAT, 115v. 400/800HZ
OUTPUT: 0-130V
7.5 AMPS,
0.975 KVA.
#5950-518-
2508, NEW
\$19.95

POWERSTAT #1156D-2P, 0-140 VAC 100 AMP output
using two 0-140 VAC 50 amp variable trans-
formers with T5587 parallel shunt. Input 120
VAC 50/60 Hz; 160 lbs. Used-checked, \$395.00

POWERSTAT #1156D only, 0-140 VAC 50 AMP
output; 8C lbs sh. Used-checked, \$195.00



**DAVIS DIMMER
AUTO TRANSFORMER**
Input 230 VAC 60
Hz 1 Ø; five
slide adjust 0-48
V outputs, 20 amp
max-total. Used
as stagelight
control. 10x10x7,
90 lbs sh.
#GR-3-048 \$39.95

**MULTI-VOLTAGE
ISOLATION TRANS.**
PRI: 73/88/95/105/
115/125/190/210/
230/250. 50/60 CY
SEC: 17.6/35.2/189
193/196/200/203
Ø 1.6 AMP.
9.2x4.2x7 1/2; 40 LBS.
229619-6 \$14.95

SWINGING CHOKE, 10/25 HY
125/15 ma. 4.2x3x4 1/2, 6 lbs.
#TF1R040LB/P3C-29, \$5.95



VARIABLE TRANSFORMERS

120 VAC 60 HZ input, 0-3.5
V 2 amps out. #5-1066, \$3.

VARIAC M-5/RMS11-2, 0-135V
5 AMPS FROM 114 VAC 400
HZ INPUT. #7486, \$12.95

VARIAC M20BB 120 VOLT 350
20 AMP. MOTORIZED 115V400
#5950-089-7734 NEW \$65.00

POWERSTAT 136-3, three 20
amp 0-140 VAC variables
ganged for 60 amp max out-
put; 70 lbs. Used, \$175.00

POWERSTAT, 115v. 400/800HZ
OUTPUT: 0-130V
7.5 AMPS,
0.975 KVA.
#5950-518-
2508, NEW
\$19.95

POWERSTAT #1156D-2P, 0-140 VAC 100 AMP output
using two 0-140 VAC 50 amp variable trans-
formers with T5587 parallel shunt. Input 120
VAC 50/60 Hz; 160 lbs. Used-checked, \$395.00

POWERSTAT #1156D only, 0-140 VAC 50 AMP
output; 8C lbs sh. Used-checked, \$195.00



**SOLID-STATE POWER
PACK, 250 VOC 200
ma +0.05% with
+4% volt adjust;
115 VAC 400 Hz in.
4.9x6.4x2.2, 5 lbs.
#894-5397 NEW \$20.**

**TELEPHONE REPEAT-
ING COILS, 1:1 for
600 ohm circuit;
3x2.6x2.3, 2 lbs.
#C-28B \$4.00**

**#D1621946, 2-wind-
ings 400 x 9 ohms;
3.1x5x1.7 2# \$4.50**

**DUAL CHOKE, 0.05H
500 ma 1.36 ohm;
3.2x4x2 1/2, 4 lbs sh.
#3C57527-5 \$3.00**

KNOB FOR VARIACS
2-3/8" dia. fits
3/8" shft. #/ptr.
Luxitrol, \$1.50

4" dia WHEEL with
pointer for 11/16" dia
shaft. #KNOB-35 used \$3.00

DIAL PLATES, unused:
4" dia 0-100 scale; 7/8"
dia ctr hole. Takes three
screws: #BP80B7, \$1.00 ea

10" dia 0-100 scale; 1.5"
dia ctr hole. Takes four
screws: #BP653, \$2.50 ea

POWERSTAT variable trans-
former, 120 VAC 380/1000 Hz
input; output 0-120 VAC 13
amps. 7x6.2x3.3, 9 lbs sh.
#GA-50650L, used, \$18.95

SCREWS. #BP653, \$2.50 EA

TF-238 400 Hz
LINE REGULA-
TOR, input
100-130 VAC
400 Hz; output
115 VAC -5 V
400 Hz 7.5 KV. Uses 13 amp
variable transformer and
buck-boost transformer;
p/o TPS-12 system. 10.2x14 1/2
x9 1/2; 55 lbs sh. Unused \$75.

POWERSTAT 21

POWERSTAT TYPE 21 VARI-
ABLE TRANSFORMER, 120
VAC 50/60 Hz input; out-
put 0-140 VAC 4.5 amps
0.63 KVA. 3.8x4.3x3.5, 5
lbs sh. NEW, w/knob & dial, \$28.95

LINE REGULATION

CN-1091/G50-76 LINE
REGULATOR, input 115
VAC 47-63 Hz with
output 115 VAC 60
amps. Has 2.5" dia
30-150 VAC meter and
Output Increase ad-
JUST. #OLA MFG; 14x
19x12.5, 225 lbs sh. Used, \$195.00

POWERSTAT #1156D-2P, 0-140 VAC 100 AMP output
using two 0-140 VAC 50 amp variable trans-
formers with T5587 parallel shunt. Input 120
VAC 50/60 Hz; 160 lbs. Used-checked, \$395.00

SOLA REGULATORS

SOLA #23 22 125 CVS harmonic
neutralized hard-wire type. In-
put 95-130 or 190-260 VAC; out-
put 120 VAC 250 VA 60 Hz; 9.6x
7.5x 5.4, 32 lbs sh. Unused, \$85. \$75.
SOLA #23-25-210, CVS-type similar to above
1000 VA out; 17.9x6.5x5, 78 lbs. Used, \$175.

SOLA #63-13-114 PORTABLE
LINE REGULATOR, best quali-
ty CVS-type. Input 95-130
VAC 60 Hz; output 120 VAC
140 VA 60 Hz. Two outlets,
On-Off, and cord. 5.6x5.8
x11.7, 18 lbs sh. NEW, \$85.

400 WATT REGULATOR

SOLID-STATE LINE REGULATOR,
use to protect your valu-
able equipment from line
variances and spikes.
Input 96-132 VAC 50-60
Hz; output 115 VAC +5X
0.75 to 3.5 amps. Har-
monic distortion 12%
total max; circuit
breaker. MIL-spec quality; 11x
6.5x11, 70 lbs sh. #102-5673, unused, \$49.50

3-PHASE ISOLATION TRANSFORMER
for 10 hp generator. Pri 220
VAC 3 Ø; Sec 200 VAC 3 Ø 26
amps 50/60 Hz. Has castor
wheels. Cable & 2 V out-
puts. 11x11x21.5, 25 lbs sh.
#3C57527-5, NEW \$150.

ANTENNAS

HY-GAIN ANTENNAS

HY-GAIN MOBILE-COM ANTENNAS, new: 760-SERIES antennas include 52" whip, 2.5"H spring base, 18' RG-58 coax cable, PL-259 connector, & UG-175 reducer; 5 lbs NEW, \$9.95 ea: #761 (30-33 MHz) #762 (36-42 MHz) #767 (33-36 MHz)

280-SERIES mobile coil antenna w/ 52" 1g whip & 2" dia loading coil: #280 10 meters, 2-3/4"H coil \$9.95 #281 15 meters, 2-3/4"H coil \$9.95

3 FOOT MAST SECTIONS (left), painted copper-coated steel; sequentially screw into each other with 3/16" dia MS-49 top section smallest thru 5/8" dia MS-54 largest. Sections self-supporting to 15'H; MS-53 can fit into another MS-53. 1 lb sh. May need paint. MS-49-50-51-52-53, used \$1 ea. Unused \$1.50 ea.

CW-206 ROLL BAG for MS-116-117-118 mast sections; 40"Lx3"Hx5"W, used, \$6.00.

FIXED STATION BASE for AT-271/PRC antenna; black phenolic 3 1/2" dia base w/silver-plated receptacle; BNC connection, and load coil 2 lbs. #CAN-100-7555 \$4.

MP-65 MAST BASE similar to AB-15 below except 4"Lx3" dia insulator; o/a 17"L; 4 lbs. \$12.

AB-243 CORNER BRACKET f/ MP-45-57 and AB-15 bases. (Pictured w/AB-15 below.) 8 lbs sh. Used, \$7.00

MOUNTINGS f/MX-6707 used: #SC-D-180027 f/base, \$10. #SC-D-446058 corner, \$10. EXTENDER f/SCD-446058 \$5.

AB-15 MAST BASE for MS-116-117-118 or AB-21-22-23-24 mast sections; spring action with 3.3"L x3" dia ceramic insulator and bottom terminal. Requires 2" dia hole for mounting. O/a 15"L. 3#. Used, \$6.95

MS-116-117-118 MAST SECTIONS, each 39.3"L. MS-116 is stackable bottom section, MS-117 is middle and MS-118 is tapered top; 1 lb sh each. Used, \$3.50 each

AT-101/GRC-9 LCNG-WIRE ANTENNA, 107.5 ft #15 stranded-copper v/8 insulators & jumpers to adjust 4.3-12 MHz frequency; 3 lbs. 98. AT-102, adds 2-4.3 MHz to AT-101, \$10. AT-101-102 SET, \$15. AS-1721/PRC-47 LONG-WIRE ANTENNA, 45 ft vinyl-covered with insulators at 15' and 25'; clips at insulators adjust length. 4 lbs sh. Used, \$12.

AT-339/PRC-6 HOMING ANTENNA 78-55.4 MHz range. Hand-held folding loop; 5-step output attenuator. 4' cord w/BNC connector. Loop 24"H: 12.5x5x2.5 collapsed. 5 lbs sh. Used, \$9.

ANDREWS #83799 similar to 87P connector for NJ7-50A Heliax cable; 1-5/8" EIA flange, 50 ohm. With installation bit; 6 lbs. NEW, \$20.00

AT-96/APN-12 VHF STUB ANTENNA with N connection 14" H. 5 lbs. Used, \$15. AS-2108 ADF LOOP. 100-3000 KHz; 28 VDC. Used, 11.8x11.2 #1.3 4 lbs Used \$16.

SU-92/APN ANTENNA COUPLING UNIT is a impedance matching device enabling the operation of 2 receivers from one ant. has one SO-239 & 2-binding posts and tuning adjustment 500 Khz-4 Mhz, \$3.95

TM-218 TERMINAL, p/o BC-659, unused, \$9 W-128 wire. 2 ft. \$2.50; 6 feet, \$6.00

AS-27A/ARN-5 horizontal-folded DIPOLE used with BC-733, ARN-5 108-110 MHz receivers, \$15.00

AT-438/GR DIPOLE ANTENNA 15" folded, takes PL-259 coax. conn on insulated bracket, \$15

ANTENNA WIRE SOLID COPPER #10 VINYL COVERED, 250FT #4884C \$25

AT-96/APN-12 VHF STUB ANTENNA with N connection 14" H. 5 lbs. Used, \$15. AS-2108 ADF LOOP. 100-3000 KHz; 28 VDC. Used, 11.8x11.2 #1.3 4 lbs Used \$16.

VIS-O-GLOW NEON LIGHTNING ARRESTORS, #4392, \$1.00 EA.

8 FOOT DISH ANTENNA

AS-554/TRC 8' dia ANTENNA with aluminum mesh paraboloid surface. Designed for 1700-2400 Mhz with 30 db gain; 4.5 Mhz bandwidth. 20 db major to minor lobe ratio. Rugged military construction; looks like one can add onto and extend the cast aluminum support to increase dish diameter. 36" feedhorn focal length; 16" fall from edge to center. Shipped in sections with feedhorn and yoke. Mesh may have minor but repairable breaks. 425 lbs sh wt. Used \$280, \$285.

AS-1720 ANTENNA SET

AS-1729/VRC ANTENNA SET consists of MX-6707 matching unit-antenna base, AS-1730, and AT-1095 fiber-glass mast sections; designed to be used with RT-246-524/VRC transceivers and vehicular installations of PRC-25-77 radio sets. MX-6707 has automatic or manually tunable frequency ranges 30-33, 33-37, 37-42, 42-47.5, 47.5-53, 53-56, 56-60, 60-65, 65-70.5, and 70.5-76 MHz FM; also BNC connection for RF. Bottom mast section AS-1730 is 52.5"L, upper AT-1095, 64"L; MX-6707 14.3x5.5" dia. 15 lbs; used, \$49.95 MANUAL for AS-1729, partial repr, \$8.50 MX-6707 MATCHING UNIT used, \$29.95 AT-1095 or AS-1730 masts only, \$12.50 each.

AB-21-22-23-24 MAST SECTIONS, 27"L (AB-21 is bottom), 1# sh ea. Used. \$2.50 ea

AN-45 Antenna f/BC-620 (SCR509-510) transceiver; telescopes 17 1/2"-98", unused \$7.50 Canadian MARK II #19 UHF ROD ANTENNA with ZA-1764 base; o/a 27.5"L. Unused, \$10.

AT-272A RIBBON ANTENNA & AT-272 FLEX-BASE SET f/PRC-8-9-10; 2 lbs. Used, \$8

AT-1096/VRC MAST SECTION, used with MX-2799 matching unit and AT-1095 mast; used, \$15.

AN-130 WHIP ANTENNA for BC-1000, used, \$10.

ANTENNA SPRING MOUNT, p/o MX-6707 described above; #SM-C-542057, used, \$7.50

MP-74 GOOSENECK BASE for MS-118/AB-23 Mast Sections, 14" lg. w/spade type bracket for side mounting. \$2.00

M-422 ADAPTER for using MS-116/AB-23 sections with PRC & BC-1000 as long ant. \$2.00

AB-129 Rubber Base f/AT-271 on PRC-8-9-10 \$2. AB-591 Rubber Base f/AT-271 on PRC-25-77, \$4.

AB-1093/USQ-42 WHIP ANTENNA w/spring base and PL-259 connector on base bottom. Lower two sections telescope 21"-35 1/2"; screw on 18 1/2"L wire-like top section. NEW \$15

40-100 MHZ YAGI ARRAY

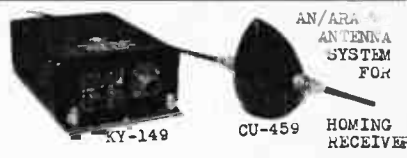
AS-756/TRC TWO 3-ELEMENT YAGI ARRAY for 40-100 MHz; range, 5 db gain; vertical or horizontal polarization. Consists of array spacer bar, two antenna booms, and 12 each long, short, and subassembly antenna elements. Component lengths adjust according to frequency; spacer 58"-112", booms 72", elements 40"-52". Matching transformer built into each boom. 95 lbs sh (UPS in 4 prgs): AS-756, \$79.50 #YA-756, single 3-element array f/AS-756 \$76.

AB-101 MAST SECTIONS for ANTENNA SUPPORT, steel mast 2" dia X 68" long with swaged end and locking device; sold in sets of 7 only. 100 lbs sh - no UPS. Used, \$38.00

AB-719 SPRING BASE

AB-719/VRC SPRING ANTENNA BASE, designed to mount on MX-2799/VRC matching unit but will "bolt" to any flat surface. Has BNC RF connection; mates to AT-1096/VRC 52" mast section which screws into AT-1095 64" top section. Mast sections not included. 4.8x9.3x3, 4 lbs sh. Used, \$7.95 AT-1096 MAST, used, \$15; AT-1095, \$12.50

ARA-31 HOMING SYSTEM



For use in the 24 to 49 Mhz FM range. Complete system consists of four AT-824 24" antenna elements, two CU-459 ant. element connectors, a KY-149 keying unit w/mtg. and one SA-474 switch box. BNC connections except for one reverse pole BNC. An/ARA-31 w/manual, new, \$50. AT-824 antenna element, \$8.00 each. CU-459 antenna connector, \$5.00 each. SA-474 switching box, \$6.00 each. KY-149 keying unit, \$25.00 each \$18.95

CU-987 DIRECTIONAL COUPLER, connect into RF line and originally provided outputs 100 W & 1 KW Forward & Reflected; two "N" conn. 2.4x4x2, 1#. Used \$18

AS-578/ARA ANTENNA for ARC-27-34-55 direction finding sets; 15 lbs. Used, \$25.

AS-313/ARN-6 ANTENNA LOOP for AN/ARN-6 radio compass system; 18 lbs. Used, \$15.

MAST MOUNT

ADJUSTABLE MOUNTING PLATE for antenna mast or pipe; three wingnut bolts adjust for 1.1"-2.25" dia pipe. 9" dia base; cast aluminum. 5.5"Hx9" dia 7 lbs sh. #HB-92110, used, \$9.95

SPDT ANTENNA RELAY, with unused contact grounded; part of 30 W 225-400 MHz transmitter. Coil 60 VDC 15 ma 4000 ohm; 3-BNC connections 2x1x2. #D-0089, unused \$9.95

SPDT ANTENNA RELAY

SPDT ANTENNA CHANGEOVER RELAY, 6 vdc 20 ohm. Contacts appear to be good to 100 watts. BNC type conn 3x1x2. #5945-539-3025 unused \$7.95

CP-12-13 COUNTERPOISE

CP-12-13 COUNTERPOISE heavy rubber-covered wire spreads to form 15 ft dia radial network for ground plane antenna; used with MS-116-117-118 mast sections; 4 lbs sh. Used, \$12.00

GY-12/42 GUY ROPE SET, 3x20' lengths, \$7 M378 ROPE, 80', \$6. M379, 10', \$1.50

HYE-QUE



RUDWIG HYE-QUE antenna insulators and strain connector for long-wire installations; full legal power capacity and weather-tight polymer construction. NEW: #HO-CONN strain assembly with PL-259 connection for lead-in wire drop, \$5.50 #HO-INS-PR insulator pair, \$1.25/pr

ANTENNA WIRE & REEL

AS-107/CPT 3 WIRE #16 ASSEMBLY 300 ft #16 strand braided cadmium alloy copper wire on PL-49 reel and crank; mounted to aluminum door with adjustable brake and snap swivel. Part of CPT-7 "Gibson Girl" transmitter antenna which attached to kite or balloon. 2x4.5" dia, 3 lbs. Unused-complete wire, reel, door, \$9.95;

CABLES

NEW COAXIAL CABLE

NEW MANUFACTURE AND BRANDED WITH STANDARD TYPE NUMBERS TO MIL-R-17A SPECIFICATIONS.

PRICES LISTED FOR LENGTHS INDICATED, IN-BETWEEN LENGTHS USE THE HIGHER PRICE. LESS THAN 100 FEET ADD 10% TO HIGHEST PRICE

COAX	100	500	1000	5000
RG-8/U	52	.25	.23	.22
RG-11/U	75	.23	.22	.21
RG-58/U	53.5	.13	.12	.11
RG-59/U	73	.17	.16	.15

Prices subject to change without notice.

NEW COAXIAL CONNECTORS

SO-239	PL-259	CH-259	PL-258 JUNCTION
\$.79 ea 10 or more \$.75 ea	\$.89 ea 10 or more \$.85 ea	75¢ ea. 10 or more 70¢ ea.	\$1.50 ea 10 or more \$1.25 ea
#2H-SO-239, two hole mt SD-239 \$1.75	#63-56FCP, short barrel PL-259 for RG-58 50¢	UG-260 BNC conn for RG-59. \$1.	

COAX CONNECTORS

CONNECTORS & ADAPTERS: (m) male (f) female, (bulk) bulk head, (rec) receptacle (r/a) right angle; (U) used, (N) unused.

TYPE BNC:	UG-88 m (RG-58) U \$5.50	UG-291 f panel U \$1.
	-260 Un \$.85	-909 bulk U \$1.
	-273 to UHF. Un \$2.00	-306 R/A adapter used. \$1.75
	-282 to post \$1.50	
	-290 f rec U \$5.65	

TYPE C:	UG-573 m (RG-8) U \$1.50 ea	UG-710 m R/A Un \$3.
	UG-626 m (RG-21) U \$2.	-943 (RG-21) U \$3.

TYPE N:	UG-21 m (RG-8), NEW, \$4.00 ea	UG-201 (f) to BNC
	UG-27 m/f R/A Un \$2.00	(m) Un \$2.50
	-58 f chassis U 1.50	-593 f chassis bulk U \$2.00

TYPE TNC:	Greiner #6006 m Un \$2.50; U \$1.50	#6177 m R/A Un \$3.
	#6098 to N 1 bulk U \$3.	

BALANCED ANTENNA INPUT for R-390A receiver: STAR 7162 (RG-58) U \$5.

UG-100 m U \$1.50	DA-113 dummy U \$5.00
-109 f/UG-100 \$1.50	UG-212 HN R/A Un \$3.
-920 R/A HN (m) to HN (f), unused, \$3.00	
M-359 elbow: PL-259 to SO-239 U \$.80; Un \$2.	

COAX CABLES from mil-equipment; used-unused: CG-530 CABLE, 54" RG-62 w/2 UG-260 BNC, \$3. CG-357, 50' RG-59 w/male & female "N", \$4. RG-213-3, 3' RG-213 w/90 male "N" conn, \$6. RG-213-18, 18' RG-213 w/"N" connectors, \$10. TNC-BNC CABLE, 3"L; 90 BNC, strait TNC, \$4.

WIRE SALE

Vinyl-covered hook-up wire, all stranded copper; no color choice. May not have continuous lengths over 1000 ft.

#10	\$14/100'	\$100/1000'	
#14	\$6.50/100'	\$42/1000'	\$185/5000'
#16	\$4.50/100'	\$28/1000'	\$110/5000'
#18	\$3/100'	\$18/1000'	\$60/5000'
#20	\$2/100'	\$12/1000'	\$30/5000'
#22 shielded	\$3.50/100'	\$22/1K'	\$75/5K'
#26 solid	\$6/500'	\$9/1000'	\$30/5000'

AIRCRAFT-TYPE WIRE, nylon insulation w/braid covering; silver-coated wire and shield: #22 stranded, \$4.50/100' 10x100' \$32.

COMPUTER CONTROL CABLE in black PVC jacket, #24 wire in color-coded vinyl; LV-low voltage	Cond	10'	100'	500'	1000'
#CC24-28LV	28	\$.45	.32	.28	.22
CC24-14	14	.32	.28	.24	.18

1700 TO 2800 MHZ

1700-2600 MHZ WAVEMETER, 20-turn vernier tune; increments of one. BNC input connection: 1N21 diode out put. Dn 3.5"W bracket; o/a 4.8"H x2". 2#. #SHD-203123 used, \$24.95

AMPHENOL RF and AUDIO CONNECTORS, all new package; Male (M), Female (F)

Sale!

ENC quick assembly: #31-4702 70 (M) \$1.25; -4701 50 (F) \$1. -4703 70 (F) \$1.35

UHF-types: #82-23 (M) to (F) w/ground, \$1.50 #83-55PA, press male to (F) adapter, \$1.25 #3-58FCP, short barrel PL-259 /RG-58, \$.50

83-877, adapter with PL-259 each end, \$1.25 #83-23 UHF m-1 lightning arrester, \$2.50 82-831 push-on chassis BNC (f). NEW, \$.45 #61-103 mini plug or #61-104 mini jack, \$.50

MICROPHONE CONNECTORS, all males 1/8" diameter

#80-23 press fit 60¢	80-876 lock ring \$1	80-872 extended pins 60¢	80-878 lock ring \$1	80-886 threaded barrel \$1
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RIBBON CABLE for computer wiring or similar jobs; 20-conductor #22 stranded wire with ten color codes. #RIB-20C: 10' \$.50 100' \$.40 500' \$.30 1000' \$.20 Price per foot: \$.50 \$.40 \$.30 \$.20

MULTI-LINE TELEPHONE CABLE, 18 feet of 50-conductor PVC jacketed cable with Cinch 77-72500 blue connector on one end and terminal lugs on the other; a nice ready-made piece for those complex wiring jobs. 3 lbs; #50-TC-18, used, \$5.95

BELDEN TV WIRE

BELDEN CITY COLOR SHIELDED TWIN LEAD WIRE: two 26 AWG 7x34 stranded copper-covered steel conductors with Beldfoil shield. Recommended for VHF-UHF-FM use in high interference metro areas. 75 ft (3#), \$8. 100 ft (4#), \$10.00

2-CONDUCTOR "O" GAUGE COPPER CABLE in PVC jacket Use for welder or jumper cables or generator hook-up Each 2-conductor at length indicated: #8369-25, 25 feet, \$25.00 #8369-50, 50', \$42. #8369-100, 100', \$70. LESS than 25 ft, \$1.25/ft; (Weight 1 lb/ft.)

CODE SIGNALING LAMP

CANADIAN MORSE CODE SIGNAL LIGHT, mirrored reflector tilts by trigger in handgrip; site-tube on top. Usable also as spot light. Includes 4" clear lens, 10' cable, and carrying case. Light bulb not available (change socket for common bulb). 9x5.3x8, 15 lbs. #CAN-5A, used \$10. Extra 4" LENS, red. green or clear, \$1.50; 4/\$5.

COLLINS 250 KHZ I.F.

250 KHz IF ASSEMBLY from Collins 618S-1 transceiver. Has 250 KHz mechanical filter with 6.7 Khz width and tubes 3/5749 and 2/5726. 4 1/2x6x3 1/2, 3 lbs sh wt. #IF250-67/618S1, used, \$12.95

250 KHz IF ASSEMBLY from RT-311/ARC-38 transceiver. Similar to above but with two mechanical filters--one 2 Khz width, the other 8.5 Khz. #IF250/ARC38 \$24.95

250 KHZ CRYSTAL OSCILLATOR from Collins 618S1. Has 250 Khz BFO oscillator coil, crystal oven with CR-46 250 Khz crystal, and 2/5749 tubes. 4 1/2x6x1 1/2, 2 lbs sh. #OSC-250/618S1, \$6.95

BANDPASS

CEI HIGH-PASS FILTERS, silver-plated receiving type with "N" connections: #HPF-300, 300 MHz pass; 8.5x3x1.8, 2#, \$16. #HPF-40, 40 MHz pass; 5.6x3x1.8, 1#, \$14.95 LOW-PASS M-derived 500 Khz cutoff filter; input/output impd 50 ohms. Removed from 150 W 285-325 Khz power amp. 2-"N" connections; potted. 6.3x3.5x2, 2#. #FL501/2353, \$7.95 RF OUTPUT TRANSFORMER from 285 to 325 Khz P-A; matched two 4-250 tubes using 2250 VDC on plates push-pull to 50 ohm output. Detector output and N connection; potted. 6.5x3.3x4, 3#. #T502/2353, \$9.

PRC MODULES

A38 TRANS-MITTER VFO module for RT-841/PRC 77 backpack Transceiver; 2.4x1.3 x1. Used-not tested, \$6. Schematic, \$1.50

ARC-38 OSCILLATOR

Q 215/ARC 38 STABILIZED MASTER OSCILLATOR ASSEMBLY from Collins-made RT-311/ARC-38, an aircraft HF transceiver. Utilizes series-fed electron-coupled oscillator, a more stable frequency variation of the Hartley-type. Step-adjusted inductor covers 14000 positions to tune oscillator frequency of 1.75 to 3.5 MHz in 125 Hz steps. Includes Collins SMO #70E-22, discriminator #147A-1, 27.5 VDC motor gear drive and tubes 3/6AK5, 6BA6, 2/6BE6. Many parts common to ARC-38A SMO assembly. 6x6.5x10. 15 lbs sh. Used, w/schematic. \$35.00

618S-1 POWER AMPLIFIER, p/o Collins 2-25 Mhz 100 watt transceiver. Has 12.3 uH roller inductor; coil 3 1/2x1 1/2" dia with 27 turns #14 silver-tinned wire rotated by 115 VAC 400 Hz selsyn. Also ten Centralab 850 HV capacitors 10 pf, 50 pf, 7/100 pf, and 1000 pf. Big silver contacts on ceramic switch; uses three 6159 tubes. 11x5x6, 10 lbs #3496/618S-1, less tubes, \$28. With tubes \$36. MATING CONNECTORS, 2 required, \$2.50 ea SCHEMATIC for 618S-1 power amp, \$1.50

ANTENNA TUNER

ANTENNA TUNING ASSEMBLY with two 20-400 pf 0.02" air gap variable capacitors. Each rotates 180° in 10 sec using 24 V 60 Hz and 4 mf 330 VAC capacitor (not included); can be adapted to differential use. 360° rotation actuates fixed capacitance in parallel over next 270° in 13 steps. 400 Hz servo motor runs on 24 V 60 Hz; intermittent 115 V 60 Hz required to engage fixed capacitance steps. W/schematic; 4.3x6.5x3.3, 5 lbs. #2C1003/RT-195, used, \$10. VAR-CAPACITOR 20-400 pf; #C1003-VC, \$5.95 ea

VARIABLE SPEED DRIVE CONTROL USED WITH MOTOR No. E-85-132. GL#35750/RJ750A1, FIELD 100 VDC ARM. 140 VDC., 2.6 A INPUT 230 V. 50, 60 HZ. 5 LBS Unused w/schematic \$15.00

MOTORS

115 VOLT AC-DC MOTOR, starts at 15 VDC; runs counter-clockwise. 3" dia X 5 1/2" lg plus 5/16" dia X 1-1/8" lg threaded shaft. 5 lbs sh. #AC-DC-R102, unused, \$4.95 115 V AC-DC MOTOR, starts at 25 VDC, runs clockwise. 2 1/2x3x4 1/2 plus 5/16" dia X 1 1/2" long machined spiral shaft. 3 lbs. #AC-DC-R102, \$3.

100 RPM 12 VDC GEAR MOTOR, output at 1/8" x 1/8" bar which would mate with slotted shaft (not included). Also 3400 RPM available on 5/32" dia x 1/2" lg shaft. O/A 5 1/2x2 1/2x2-3/8; 3 lbs sh. #LEB-1115ZS unused, \$8.95

HANDCRANK



HANDCRANK MAGNETO GENERATOR removed from telephone equipment; features long crank with shaft which extends 2.5" from the generator and versatile mounting plate that allows left or right side or bottom mounting. Use to replace "dead" generator in your antique phone, or as remote signaler (ring bells/buzzers), or as "worm shocker"; 4 lbs sh. #MAG-GEN-10B5, used-checked, \$15.00



G-41 HANDCRANK GENERATOR, sealed can-type from field phones; preferred in situations where extraneous voltage & dirt is a concern. 4"Lx2.5" dia, 3#. Checked, \$15.00



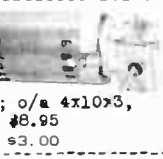
DC MOTOR, operates over 10-15 VDC 100 ma 2375-2425 RPM with governor. Shaft 5/16" L x 1/16" dia; o/a 2-7/8x1-1/8. #AST-GK26 \$7.95

6 RPM SLO-SYN

SUPERIOR ELECTRIC SLO-SYN 6 RPM SYNCHRONOUS STEPPING MOTOR, 120 VAC 60 Hz 0.5 A 50 oz-in running torque. Reversible instant start-stop. 3/8" dia stainless steel shaft; on mounting plate with capacitor. 7.1x4.5x5. 7 lbs sh. #SS50-1292RU, used, \$12.95 \$13.95



GE MINA GEAR MOTOR, 328 RPM 3/8" dia right angle output shaft; other 3500 RPM 5/16" dia shaft, 5 in-lb torque. Requires 115 VAC 60 Hz and 7 mf 220 VAC capacitor; o/a 4x10x3, 8 lbs sh. GE #SKQM49N3, used, \$8.95
CAPACITOR for above, non-PCB, \$3.00



106 RPM GEAR MOTOR

GE MINA GEAR MOTOR, 115 VAC 1.1 amp; 105.7 RPM. 30 in-lb torque. 1"Lx1/2" dia shaft with 1/8" square key; removable sprockets. Includes integral fan; 10 mf capacitor required. Motor size 7.5"Lx4.5" dia, 9 lbs. #SSCP10HG1S, used, \$14.95
10 mf CAPACITOR for above, non-PCB, \$3.00

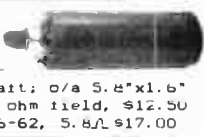


160 RPM DRIVE UNIT w/clutch has Globe C-25A512 27 VDC 15000 RPM motor and 27 VDC clutch assembly. Motor operates with good torque over 5 to 27 VDC. 160 RPM output on 3/16" dia X 1/8" shaft. O/A 3x4x3 1/2, 3 lbs. #160DRV/618 used \$8.95



ROBOTICS MOTORS

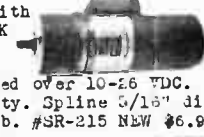
15" STEPPER MOTOR from printer; requires +9 to +40 VDC. High speed and performance w/driver circuit info. 1x1.3" dia shaft; o/a 5.8"x1.6" dia, 2 lbs. #RBM-2-62, 2 ohm field, \$12.50
#R3M-4-62, 4Ω \$15. #RBM-6-62, 5.8Ω \$17.00



15°-4-PHASE VR STEP SERVO, 5 ohms 1.5 A/φ; 28 VDC input pulse. 2x 1/2" dia shaft; o/a 3x3x3, 2 lbs sh. Made in Canada; removed from equipment. #20M54C1, \$9.95



26 VDC REVERSIBLE MOTOR with clutch for fast stops; 12K RPM @ 26 VDC 1.2 amps. Clutch engages at 10 VDC which allows variable speed over 10-26 VDC. Rated for intermittent duty. Spline 5/16" dia shaft; o/a 4x1 1/4" dia, 1 lb. #SR-215 NEW \$6.95



20-60 RPM motor, 28 VDC 0.5 amps reversible PM-type. Has mounting collar and tape recorder reel bobbin on shaft. Shaft 3/8" L X 3/16" dia w/o bobbin. 4" L X 2" dia; 2 lbs. #220504/UNH-6, unused, \$12.95



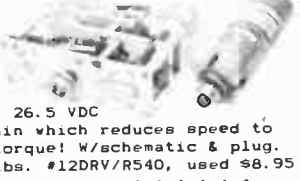
GE DC MOTOR 27.5 VDC 2.5A .044HP 7400 RPM 2.5x1.75 plus .35 in long 3/16 shaft sh wt 3 #5BN14EA2-6822 \$7.95



#A7155 DELCO DC MOTOR, 28 VDC 2.4 A 1/30 HP 3600 RPM. Size: 5 1/2 x 2 1/2" dia; shaft 1" x 1/2" dia, 2 lbs. Unused \$4.

MOTORS

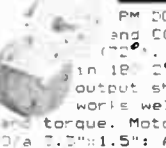
12 RPM DC DRIVE MOTOR ASSEMBLY with Globe 27.5 VDC 1/100 HP 15000 RPM motor, 26.5 VDC clutch & geartrain which reduces speed to 12 RPM. Strong torque! w/schematic & plug. 4.5x1.5x4.5, 2 lbs. #12DRV/R540, used \$8.95



27.5 VDC REVERSIBLE PM GEAR MOTOR, 85 RPM no-load speed, 1/4 duty cycle; estimated 75 RPM 100 oz-in torque when under load. Shaft 1/2" L x 5/16" dia with gear. O/a 4x 1.3x1.3, 1 lb. Globe #5A1231, used, \$2.95

DC STEPPER MOTOR

PM DC STEPPER MOTOR, dual coil--CW and CCW rotation; each coil 5-pole (20°). Motor has gear box resulting in 18 2° steps for each rotation of output shaft. Coil 17 VDC 20 ohms but works well on 5 VDC at reduced speed and torque. Motor 1.4x1.6", shaft .4" x .1" dia O/a 2.3x1.5"; Airpak #AB2702, \$4 ea \$7.10.



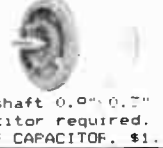
0.7 RPM GEAR MOTOR, 115 VAC 60 Hz, 110 oz-in torque; 3/4" L x 1/4" dia shaft; w/shaft coupler and microswitch assy. 2.3x2.3x2.3, 5.5" L w/assy; #. #RBH2505-14 used \$45 \$11



BARBER COLEMAN AC GEAR MOTOR, 230 VAC 60 Hz; approx 3 1/2 RPM. 5/16" dia shaft X 7/8" long; Size: 2 1/2 x 3 1/2 x 3, 2 lbs sh. B-C #108134483 NEW, \$3.95



INDUCTION MOTOR, Eastern Air Devices J71-B. 115 VAC 60 Hz 0.25 amp input for 1/40 HP 1100 RPM output. Quiet running; good replacement motor for blowers. 3.1"x3.5" dia. shaft 0.9" x 0.7" dia; 3 lbs sh. External capacitor required. #54B-2239, unused \$4.95; 4 mf CAPACITOR, \$1.

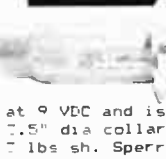


SA-28 AIRCRAFT INSTRUMENT ASSEMBLY with 27 VDC PM motor, 10000 RPM with worm gear assembly and other parts. Motor size 1 1/2 x 1 1/2, 3/16" dia shaft; o/a 6" L x 3 1/2" dia, 2 lbs. Unused \$8.95



MULTI-SPEED PM MOTOR

MULTI-SPEED 24 VDC PM MOTOR can be wired for 11500 RPM 0.012 HP 0.7 amp or 3000 RPM 0.035 HP 2.2 amp operation; motor starts to turn at 9 VDC and is reversible. 6"x2.7" dia with 1.5" dia collar; geared shaft 0.8" x 0.4" dia. 7 lbs sh. Sperry #2960071, used, \$12.95 \$8.95



JOHN OSTER TYPE C-24A-1B KS-5829 SERIES MOTOR; 27 VDC, 0.01 HP, 7000 RPM. SIZE: 3x2 DIA.; SHAFT: 1x1 DIA. WT: 1 LB. Unused, \$2.95



200 RPM 32 V 60 Hz GEAR MOTOR, has shaft 1 1/4" dia and 3/16" dia shaft for fan. For intermittent use, increased voltage increases torque. O/a 5 1/2 x 5 1/2, 3 lbs. #MOL-2460, unused, \$3.25



26 V 400 Hz 2750 RPM MOTOR will operate from 12 VAC 50 Hz; 2x2.8x2.2. #B701/R107 \$2.



12 VDC MOTOR, 3000/5000 RPM clockwise rotation; 40 oz-in torque. 4" L x 3" dia plus 3/4" L x 5/16" dia shaft. 4 lbs. #C55010-12, \$7.95



CONTROL TRANSMITTER SELSYNS, similar to AY201 rotor 26 V 1 φ, stator 11.8 V 3 φ 400 Hz; usable in wind direction and antenna position projects. Various mfg; 1 lb. #WD-CX-SEL \$6.

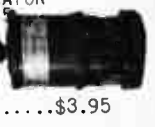
AY-155 AUTOSYN DIFFERENTIAL, 400 cycle, 11.8 V. 3 PHASE ONE TO ONE RATIO. BENDIX & OTHERS. SIZE: 1 1/2 x 1 1/2. PRICE: REMOVED FROM EQUIP. \$2.95
AY-231 and AY-232 SAME SPECS. AS ABOVE.
15CX4 TRANSMIT 115 VAC 400 Hz, used, \$4.95
15R34L RESOLVER 26/11.8 V 400 Hz, used \$4.95

33TR4 RECEIVER, 115 VAC 400 Hz, used, \$10.00

MK II SIZE 6 SELSYNS, 115 VAC 60 Hz; sold in mated pairs for rotational and position-indication uses. 7 1/2 x 4 1/2 dia, 12 lbs/pair. Used-checked, various manufacturers, \$45/pair

115/90 V 60 HZ SELSYN TRANSMITTER, type 1 HG 3.6x2, 2#. #1HG-MK14-8, used \$35. Unused \$45
#1HCT-MK11-4A CONTROL TRANSFORMER, 90/55 V 60 Hz; 3.6"Lx2" dia, 2 lbs sh. Used, \$30.00

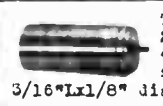
2/J1H1 SELSYN DIFFERENTIAL GENERATOR NORMALLY OPERATES FROM 57.5/57.5 VOLTS 400 CYCLE BUT WILL OPERATE FROM 26 VOLT 60 CYCLE AS SHOWN IN WIRING DIAGRAM ON PAGE 31. SIZE: 2 1/2 x 4 1/2; WT: 8oz. PRICE WITH CONNECTOR CAPS.....\$3.95



DAYSTROM TRANSCOIL CONTROL MOTOR 115 VOLT 60 CYCLE, 1 PHASE, 2 PHASE 200 VOLT CT., 3200 RPM. SIZE: 2 1/2 x 2, SHAFT SIZE: 1/16 x 2 WITH GEAR. REMOVED FROM NEW EQUIPMENT. PRICE: \$5.00



TACHOMETER GENERATOR, motor 26 V 400 Hz 2 φ; generator 18V-400 Hz 0.3 V/1000 RPM. No load speed 10000 RPM. 2-1/8" L x 1" dia; 3/16" L x 1/8" dia shaft. #TACH-SEL-MOD, \$7.95



6 VDC MOTOR & CHOPPER

MAXON 7-POLE 6 VDC PM BALL-BEARING MOTOR w/1.6"x0.5" chopper assembly for speed control feedback use; approx 120 counts/revolution. Shaft 5/8"Lx1/8" dia; o/a 2.4" L x 0.9" D. Swiss-mfg; #MAX-6V-7P, \$7.95



GAST PUMP & MOTOR

VACUUM PUMP & MOTOR, Gast #0440-V119 oil-less rotary vane pump and GE 115 VAC 60 Hz 1/3 HP 1625 RPM motor. Pump rated 4.0 CFM @ zero vacuum; 15" Hg continuous. 26" intermittent. Flex coupling thermally protects 7.4"x5.4" dia motor; mounted on 5.8x0.6x14.4 steel base. Inlet and outlet filters not available. 40 lbs sh. Used-as removed from service, \$45.00

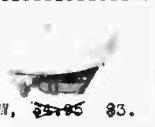


AIR COMPRESSOR

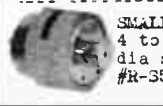
AIR COMPRESSOR rated 30 PSIG. 0.6 CFM max; suitable for air-brush work or light duty inflating. Diaphragm-type unit uses 7 mf 330 VAC capacitor and operates from 115 VAC 60 Hz. Inlet 5/8" NPT; outlet 1/2". 8.3x4.6" dia, 15 lbs. #127P321R, with regulator, \$32.95



CHILD'S PHONOGRAPH TURNTABLE, 7" dia plastic platter with 115 VAC 60 Hz motor; selector switch for 33-1/3 or 45 RPM. Designed for child's record player. 2 lbs. BSR #M142AC37, NEW, \$3.95 \$3.



SMALL RECORDER PM MOTOR, operates 4 to 12 VDC, reversible. 1/8x3/32" dia shaft; O/A 1 1/2 x 1 1/2 dia, 1 lb. #R-357141, NEW \$2.; w/pulley \$2.25



PRR-9 RECEIVER



AN/PRR-9 FM HELMET RECEIVER, extremely lightweight single channel radio in the 47-57 MHz FM range; 5 mw nominal power output. Uses CR-81 type crystal (not available); 455 KHz IF. Requires 5 V 25 ma originally supplied by BA-505 battery (not available).

with AS-1998 antenna and H-264 headset. 7x3 1/2, 2 lbs. Used \$38. Less AS-1998/H-264 \$25. OPERATOR'S MANUAL for PRR-9, \$7.50

ID-1189/PR CHANNEL ALIGNMENT INDICATOR, designed to test AN/PRR-9 and AN/FRT-4 transmitter. Has 47-57 Mhz signal generator; checks both sets' batteries. Instructions, probes, and transit case included. 12x11x6, 15 lbs sh. Used, \$45.00



AN/GRA-6 RADIO CONTROL



AN/GRA-6 RADIO CONTROL GROUP for GRC-3 thru -8 series equipment. Includes C-433 (pictured), C-434, LS-166 speaker, H-33 handset, J-654 junction, CW-189

canvas bag, and manual. Group was used to control radios at distances up to 2 miles and also provided telephone communications. C-433 and C-434 each have handcrank ringing generator and bell; require two "D" cells each. 36 lbs. Used, \$65. Unused, \$100. C-433, used, \$16.00 C-434, used, \$22.00 H-33, used, \$15.00 LS-166 w/bracket, \$15. J-654, used, \$6.00 CW-189, used, \$7.00 MANUAL for AN/GRA-6 group, original, \$7.50

GRC and VRC RADIO CABLES and miscellaneous: CD-501, battery cable for SCR-284, \$10.00 CD-1086, cable for BC-1306 & GRC-9, \$15.00 CO-278, cord for FT-237 mount, 8 ft., \$9.00 CX-1209, connects RT-unit to CY-590, \$10.00 GRC-to-VRC ADAPTER, U-78 one end and U-229 connector on other; 10.5" L. #8438523, \$8. CX-1359, DC battery cable for GKR-5, \$8.00 CX-1360, multi-cell batt-cable 1/GRR-5 \$10. CX-4721/VRC, DC cable, 2.5 ft. \$8.00 SC-C-446149, looks like CX-4722, 10' \$7.50 SC-C-75348, 6 ft adapter w/U-77 & U-78, \$9.

38 TO 54 MHZ RECEIVER



R-110 RECEIVER 38 TO 54 MHZ FM CONTINUOUSLY TUNEABLE, VARIABLE SQUELCH AND AUDIO, OUTPUT IMPEDANCE 600 OHMS. 4.3 MHZ. 1.F. WITH TUBES 3/1U4, 2/1L4, 1A3, 2/3A5, 1S5, 2/3C4, 2/6AK5 & 0B2. VOLTAGES REQ. 135 VDC @ 70 MA. AND 6.3 VDC 2 AMPS. SIZE: 9x13x7 1/2; WT: 32 LBS. USED \$35.95

R-108 RECEIVER, same as R-110 except 20-28 MHz. Used \$22. Unused \$36.

R-109 RECEIVER, same as R-110 except 27-39 MHz. Used \$28. Unused \$42.

PP-282 POWER SUPPLY 24 VDC FOR R-108-109-110 RECEIVERS. MOUNTS INSIDE REC. USED \$5.95

GRC SHOCKMOUNTS



MT-297 SHOCKMOUNT RACK, used in GRC-3 thru -8 systems. Holds one RT-66-67

or -68, one PP-109 or -112, one R-108-109 or -110, and RT-70/AM-65. Includes system interconnect and DC cables but not RT to PP/AM "dogbones." 33.5x4.8x13.5, 70 lbs. Used \$28. MT-299 RACK for one RT-66-67 or -68 and one PP; 35 lbs sh. Used, \$15.00; Unused, \$25.00 MT-300 RACK for RT-70/AM-65, 24#. Used, \$22. MT-327 RACK for one RT-66-67 or -68, one R-108-109 or -110, one PP-109 or -112; 32 lbs sh. Used, \$15.00; Unused, \$25.00

RT-68/GRC TRANSCEIVER

RT-68/GRC TRANSCEIVER 38

54 MHz FM continuously tunable or 100 KHz-step channels. Receives and transmits both voice and 1600 Hz ringing FM; range 10-15 miles. Receiver circuit has variable 1st IF 4.45-5.45 MHz and fixed 1.4 MHz 2nd IF; also squelch and 600 ohm audio output. Transmitter uses crystal-controlled oscillator and oscillator power amp; power output 2 watts (LO) or 15 W (HI). Also meter to monitor xmitter filaments and 90 V input. Requires external power supply available separately. With tubes 4/1U4, 2E24, 2/1A3, 2/1L4, 4/1R5, 2/1AE4, 1S5, 4/3Q4, 3A4, 3/3A5, 2/3B4, 6AK5. 9x13x11.3, 42 lbs sh wt.



Used, \$55. RT-67 as above but 27.9-38 MHz, used, \$39.50; RT-66, 20-27.9 MHz, used \$35.



PP-112/GRC 24 VDC SUPPLY for RT-66-67-68 transceivers; provides all voltages from 24 VDC 6.5 amp input. 7.3x9x13, 39 lbs sh. Used, \$28.00 \$18. Gov't reconditioned, \$35.00

PP-109/GRC SUPPLY, as above but 12 VDC 12 amp input. Used, \$24.00 \$24. PP-109, gov't-reconditioned, \$40.00

CX-1211 interconnect cable RT:PP units, \$7. MANUAL for AN/VRC-8-9-10, original, \$7.50

AN/VRC-10 RADIO SET, consists of RT-68, PP-112, MT-299, CX-1211 cable and manual; 90 lbs. Used \$85.



AN/VRC-9, as above but with RT-67, used, \$70. AN/VRC-8, as above but with RT-66, used, \$65.



RT-176/GRC-10 TRANSCEIVER, part of portable backpack set (accessories listed below) covering 38-54.9 MHz FM continuously tunable

with 0.9 watt transmit output. Controls for Volume, Tune, Squelch, Pointer adjust and dial lock; tubes 9/5678, 2/5672, 3/5676, 1A4, 5A6. See BA-279 BATTERY pg 19 for power requirements. 3x9.5x9, 10 lbs. Used, \$37.

RT-174/PRC-8, as above but 20-27.9 MHz, \$35. MANUAL for PRC-8-9-10, original, \$7.50 MANUAL for PRC-9A-10A, partial repro, \$10. CY-5007/744 BATTERY BOX 1/PRC-8-9-10, \$6. H-33/PT HANDSET 1/PRC-8-9-10, used, \$15.00 AT-272A-272 RIBBON ANTENNA & FLEX BASE, \$8. ST-120 & M-1956 BACKPACK HARNESS, used, \$8. CW-216 ACCESSORY BAG 1/PRC-8-9-10 used \$6

AM-598 AMPLIFIER POWER SUPPLY, functions as 24 VDC supply and audio amp for PRC-8-9-10 transceivers which plug into top. Built-in audio cord connects to RT-audio. With tubes 0C3, 2/12AT7, 2/26E6, 26Z5; 11.3x 11.5x10.3. 38 lbs. Used, \$28.



ID-292/PRC-6 CHANNEL

ALIGNMENT INDICATOR, plugs into RT-196 and tests relative level voltages of its circuits; also PA current and Calibrate Adjust. 2.5x5x2.5, 3 lbs sh. Used, \$14.95 Unused with book & spare 5678 tube, \$28.95



ACCESSORIES

CY-5007/744 BATTERY BOX 1/PRC-8-9-10, \$6.00 AT-272A-272 RIBBON ANTENNA & FLEX BASE, \$8.00 AT-271/PRC 7.5" TELESCOPING ANTENNA used \$10 AB-129 RUBBER BASE 1/AT-271 (PRC-8-9-10) \$3. AB-591 RUBBER BASE 1/AT-271 (PRC-25-77), \$4. H-33/PT HANDSET, used \$15. M-29 MIC, \$5.00 H-189 HANDSET, used, \$15. M-80 MIC, \$10. LS-166 SPEAKER with wall bracket, used, \$15. GRC/VRC CONNECTORS, specify type and equipment used. Used, cut-offs, \$3.00 each. AUDIO PLUGS, metal; used: U-77, \$3. U-229 \$4. CX-1211 CABLE, RT-66-67-68 to PP-112, \$7. CX-2031 BATTERY CABLE for AM-598, \$8.00 SHOCKMOUNT for AM-598, \$5. MANUAL, \$4.00

PRC-6 WALKIE-TALKIE



RT-196/PRC-6 FM TRANSCEIVER, single channel crystal-controlled in the 47 to 55.4 Mhz range. Range: approx. 1 mile depending on terrain and conditions. Handheld unit has push-to-talk switch, volume control, ribbon antenna, carrying strap, and provision for H-33/PT handset. Uses type CR-23 crystal (not included or available). With tubes 6/5678, 3B4, 3/5672, 2/5676, and 2Q21. Requires 1.5, 45, and 90 VDC. 15x5x4 1/2, 6 lbs sh. Used, \$18.95; MANUAL, \$7.50

CY-853/PRC-6 CASE, space and padding for 42 crystals; 6 1/2x6 1/2x1, 2 lbs. Used, \$3.00

RT-196/PRC-6 "AS-IS" less antenna and external appearance "very ugly". However, inside electronics complete with tubes and not corroded. #PRC-6-LA, \$12.00 #LAT-PRC-6, as above but without tubes, \$6.

GRC/PRC BATTERY TEST

AN/PSM 13 BATTERY TEST SET

DESIGNED TO CHECK GRC AND PRC TYPE BATTERY PACKS INCLUDING BA-270, -279, -376, -377, -386/PRC-25, -398/PRC-25, -399, AND -505. METER INDICATES BAD-GOOD (FS=1 MA). WITH ADAPTERS U-240, -241, -242, -297, -314, -315, -346 AND CANVAS CASE. SHPG. WT: 7 LBS. PRICE: USED, EXCELLENT, \$24.95



PRC-8-9-10 TEST SET

AN/URM-113 RADIO TEST SET,

consists of TS-997 and accessories; designed to align and test modules of backpack transceivers AN/PRC-8-9A-10A-10A. Modules AM-427-427A, TF-132, or TF-204 from the radio under test simply plug into TS-997 and 3.5" round meter indicates the "quality" of the respective modules. Also checks crystal frequencies 4.26, 4.3, and 4.34 MHz. Operator info incld: 8.6x13x9.7. 23 lbs. Unused, \$40.



G-375/VRC CONTROL



C-375/VRC CONTROL BOX, used with GRC-3--8 series equipment as a remote junction and switching box. Controls audio lines of two transceivers, one receiver, and one interphone amp. Has two each U-77 connections, volume controls, mic & phone jacks. 7x7x4, 5 lbs. Used, \$10.

C-435/GRC CONTROL, plugs into MT-297 mount and allows duplex use and retransmission of GRC-3 thru -8; functions as junction for control and audio lines of Rx-Tx and aux-Rx. Has 1.75" sq meter; no generator. 3.5x8.8x7.3, 7 lbs sh. Used, \$15.

PRT-4 XMITTER



AN/PRT-4 MINIATURE TRANSMITTER, designed to operate on two preset channels between 47 and 57 Mhz. Output 450 mw (Ch 1), 50-250 mw (Ch 2); also 150 Hz tone. Has built-in speaker and clips onto belt or pocket. Requires 12 VDC originally supplied by BA-399 battery (not available). Units sold "as-is" less antenna crystals, battery box. 2x4 1/2x2, 2 lbs. \$16.95

TECH MANUALS WITH SCHEMATICS FOR:
RT-196/PRC-6...\$7.50
PRC-9A-10A REP \$10.00 AM-598.....\$4.00
RT-66,67 & 0B...\$5.00 PP-109 & 112...\$5.00
RT-70.....\$5.00 AM-65.....\$5.00
R-108, 109 & 110.....\$7.50
AN/VRC 13-15 OR AN/VRC 16-18, CONTAIN INFO & SCHEMATICS ON RT-66,67,68, R-108,169,110,PP-109,112. VAR. MTG. CONTROL BOX ES. \$7.50



R-394/U RECEIVER, 152-172 Mhz FM single channel crystal-controlled. Dual conversion unit has first IF 7.8 Mhz and 455 KHz second IF; also squelch and muting circuits. 8 ohms output impedance. Set features modular construction with plug-in units 1st RF amp, local oscillator, 1st IF amp, 2nd IF and discriminator, and audio/squelch. 455 KHz selective filter is wired in. Also has compartment for modular power supply which is listed elsewhere on this page. Includes tubes 14/5678, 4/1AD4, 5672, 5840, 5783, and 6AK6. 8x5 1/2x14 1/2 22 lbs. Used \$149.95; Gov't-recond \$209.95.

R-257 RECEIVER, same as R-394 except covers 25 to 50 Mhz FM, used, \$129.95



T-278/U TRANSMITTER F.M. 152 to 174 MC APPROX. 30 WATTS, CRYSTAL CONTROL ON ANY TWO (2) PRESET FREQ. PHASE SHIFT MODULATION 15 KC DEVIATION, CR-27/U CRYSTAL UNIT FREQ. RANGE 4750-5437.5 KC. MULTIPLIED 32 TIMES. WITH TUBES 2/384, 3/2E24, 4/5678, 2/5672 AND 2/1AD4.

VOLTAGES REQUIRED AS SHOWN WITH DY-93 DYNAMO TCR ELSEWHERE ON THIS PAGE. USED \$14.95
 SIZE: 8x4 1/2x14 1/2; WT: 12 LBS. UNUSED \$19.95

HX-1547 RECEIVER SUB-ASSEMBLY for R-257 & R-394; relay controls Tx for re-xmit \$4.95



VIBRATOR POWER SUPPLIES for R-394 and R-257 receivers; fits inside receivers; 10 lb PP-867, 24 VDC input, \$4.95
 PP-868, 12 VDC input, \$5.95
 PP-869, 6 VDC input, \$5.50

DY-93 DYNAMOTOR POWER SUPPLY for use with T-208-278-417 transmitters. Input: 12 VDC 20 amps. Output: 380 VDC 180 ma, 225 VDC 45 ma, -25 VDC 5 ma. 8x7 1/2x14, 29 lbs. Used \$9.95



AN/VRC-19 RADIO SET, 6 VDC input system consists of R-394 receiver, T-278 transmitter, DY-100 dynamotor-power supply, C-847 speaker-control, CY-938 cabinet,

MT-1236 mount, H-33 headset, and manual. 17.5x11.3x25, 110 lbs sh (UPS in 2 pkgs). Used- less C-847 speaker only, \$45.00

#12V/VRC-19 SET, 12 VDC input version of VRC-19; DY-93 in place of DY-100, \$55.00

URC-68 DISTRESS RADIO

AN/URC-68 DISTRESS TRANSMITTER, handheld unit designed as an emergency radio for aircraft pilots; operates over 38-42 Mhz FM and 230-250 Mhz using 4 preset channels, voice, MCW, and beacon. All have 40.5 Mhz FM and 243 Mhz UHF channels; other three frequencies depend on selected crystals (not available), 50 KHz spacing. Power output 500 MW (FM), 200 MW (UHF); range 19 miles line of site or 3-5 miles over varied terrain. Includes squelch, built-in microphone, speaker, and antenna. Requires 11-16 VDC originally supplied by BA-1112 battery (net available). 6x3 1/2x1 1/2, 3 lbs sh. Used-reparable with receiver and transmitter output, \$79.50
 AS-IS, no output but good modules, \$59.50
 MANUAL, partial reproduction, \$10.00



CV-278 FREQUENCY SHIFT CONVERTER for RTTY use with R-392 receiver and T-195 transmitter; use with any Receiver having 450-500 KHz IF. Requires 28 VDC 2 A. Has Discriminator meter but less 0-50 uA Signal Input meter. 9.3x7.3x13.8, 25#. Used, \$30. Power plug, \$6.

GE 'PROGRESS-LINE'

GE PROGRESS-LINE 50 WATT MOBILE TRANSCIEVER, single channel crystal-controlled in the 144-174 FM Mhz band Has #4R25C2 receive, #4ET-21A2 transmit, and #4RP2B vibrator power supply sections. Transmit deck uses two 6146 tubes in P-A. Power supply requires two vibrators (not available) for 12 VDC operation. Internal trimmers for antenna tuning, coupling, and P-A plate; 21 tubes. 6x14 1/2x15 1/2. 34 lbs sh. *MA E/36N, used less xtal & cover, \$25 \$30.
S318-CCT CONTROL PLUG, \$3. POW. R PLUG, \$2.50



MODULES from R-394 152-174 Mhz receiver; possibilities for the RF experimenter. W/ schematic; 2.6x2.1x7.3, 2#:
LOCAL OSCILLATOR, tubes 5678, 5783, 2/1AD4, & xtal oven (no xtal) \$4.95
AUDIO & SQUELCH w/tubes 3/5678, 5672, 6AK6 and 10K: 8 ohm AF transformer, \$5.95
 152-172 MC RF AMP, 5840 & 2/1AD4; \$2.95
 1st IF 7.8 MC, tubes 3/5678 & xtal; \$3.95
 455 KHZ SELECTIVE FILTER, 2.5x2x5.5, \$2.95

MOTOROLA TRANSCIEVER

MOTOROLA FM MOBILE TRANSCIEVER, transmits in 144-174 Mhz range, receives between 450-470 Mhz. #TDG050AB transmitter section has output of 25 watts min. (144-167 Mhz), 20 W min. (167-174 Mhz) using single crystal-controlled channel. Crystal multiplication 24 times; 50 ohm output impedance. Has nine tubes including 6146 in power amp. #XRE1000-AH receiver has dual squelch "Private Line" or separate tone-controlled and carrier squelch circuits. Two crystal-controlled channels; 455 KHz final I.F. Audio output 2 watts into 3.2 ohms. With 14 tubes. #XFN-6003B transistorized power supply requires 12 VDC input to supply voltages for transmitter and receiver. Crystals and accessories not available. 6x10x19 1/2, 28 lbs. Used less 6146 tube \$17.50 \$12.50; Schematic set, \$5.



OA-2649/VRC-68 VEHICULAR TRANSCIEVER, 225-400 Mhz using 1750 channels, 1.5 W output. 24 VDC or 115/230 VAC; 175 lbs. Used, \$930.

POWER AMP FOR GRC-9

AM-66A POWER AMPLIFIER for RT-77/GRC, first we've ever seen; French-made for NATO forces. Increases RT-77 output to 30 watts AM-CW, 30 W pulse. Uses three 2E22 in PA; with antenna tune meter. Requires +700 V 320 ma, 280 100 ea, +12 V 900 ma, 5.3 V 2300 ma. Non-English dial markings. 16x13x8, 7 lbs sh. Used, \$35.00
MANUAL (in English), partial repro, \$15.00
AA-18 ALIMENTATION (POWER SUPPLY), provides all the necessary parts for AM-66A from either 12 or 24 VDC input. Similar size and appearance as AA-105; 36 lbs. Used, \$75.
AM-66A & AA-18 PACKAGE including CD-1086 cable, CX-2031 DC cable, and manual, \$165 \$145.

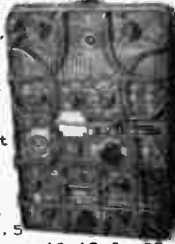
PRC-25 AC SUPPLY

C-7673/PCC-1 RECTIFIER CONTROL UNIT, intended for use with two RT-505/PRC-25 transceivers and TH-81 terminal as controller for telegraph-telephone repeater system. Also functions as 115 VAC 60 Hz or 24 VDC supply for two RT-505's. Control one or both RT-unit, power DRY BAT-BB451-OFF-VEH-115 VAC. handset connection, cables, two 3 A fuses for AC and two 5 A for DC. 2.1x9.7x6.6, 10 lbs. UNUSED, \$100.00
 Used, \$75.00; Used "AS-IS not working", \$40.



RT-77/GRC-9 TRANSCIEVER

RT-77/GRC-9 BACKPACK TRANSCIEVER, covers 2-3.6, 3.6-6.6, and 6.6-12 Mhz; Hi-Lo outputs 7/1 watt AM, 15/5 W CW. Receiver section has 456 KHz IF and 200 KHz calibration points. Transmitter is continuously tunable or two preset channels; uses 2E22 tube in power amp. With tubes 2/1L4, 3/1R5, 155, 3/3A4, and 30A. Requires 580 VDC 100 ma, 6.6 VDC 2 amps, 120 VDC 45 ma, 1.5 VDC 500 ma, and 6.9 VDC 575 ma. 16x13x8, 35 lbs sh. Used, \$69.50



ACCESSORIES for GRC-9 system:
MANUAL for AN/GRC-9, original, \$8.50
CD-1086 POWER CABLES, connects RT-77 to DY-88-105 or GN-58, 44" lg \$12.84, \$15.
SPARE TUBES for RT-77 "used-checked":
 2E22, 4.50 ea. All others, \$1.50 ea.

*** LS-7 LOUDSPEAKER**

Permanent magnet-type has 4" dia cone and 4000 ohm matching transformer in metal box; includes 5 foot cord with PL-55 plug. 4.9x4.9x3.4, 4 lbs. Used, \$15.00
LS-203 SPEAKER, similar to LS-7 but looks like LS-166 (p 7), \$16.



HS-30 HEADSET w/ CD-604 cord, used, \$7.50
T-17 MICROPHONE, used, \$7.00; Unused, \$12.

MT-350 VEHICULAR MOUNT for RT-77, \$15 \$7.50
FR-85 VEHICLE MOUNT BRACKET, \$10.00

+ LONG-WIRE ANTENNAS +

AT-101 LONG-WIRE ANTENNA, 4.3-12 Mhz, \$10.00
AT-102 LONG-WIRE, adds 2-4.3 Mhz range, \$9.
AT-101 & AT-102 LONG-WIRE SET, 5 lbs, \$15.00
MS-116-117-118 MAST SECTIONS, used, \$3.50 ea
IN-127 INSULATOR BASE, holds 3/MS-116 & 1 ea MS-117-118; 14.5" black plastic, 2#. \$10.00
FT-515 BRACKET attaches IN-127 to RT-77, \$3.
MP-55 VEHICULAR MAST BASE for MS-116-117-118 ceramic insulator. 17.5" Lg, 4 lbs sh. \$12.
CP-12-13 COUNTERPOISE, 4 lbs, \$12.00
GY-12 GUY ROPE 20', \$2.50; GY-42 2x20' \$4.50
M-378 HALYARD 80', \$6. M-379, 10', \$1.50

GRC-9 CANVAS BAGS

BG-172 BAG for long-wire antennas, cables, and other accessories; 13x13x10, used, \$6.
BG-174 BAG, for mast sections and GN-58 generator legs; 42x10x4.5, used, \$6.00
BG-175 BAG for GN-58, 10x8x10.5, used, \$5.
CW-140 COVER for RT-77/GRC-9, used, \$10.00

ACCESSORY PACKAGE DEAL

for GRC-9, refer to manual TM11-263 (6/56). All items shown in figure & page #. Used:
BG-172 BAG & CONTENTS, figure 5, page 10 except without BX-53; 28 lbs sh, \$52.00
BG-174 BAG & CONTENTS, fig 6, p 11; (3 ea MS-116, 1 ea MS-117-118); 28 lbs sh, \$45.00
BG-175 BAG & GN-58, fig 13 p 15; 26#, \$20.

DY-88 POWER SUPPLY

DY-88/GRC-9 DYNAMOTOR POWER SUPPLY, power for RT-77/GRC-9 from 24 VDC or 24 VDC input @ 2000 ma max. Usable to power other transceivers. Output: 580 V DC max, 115 V 45 ma, 3 V 2 A, 1.5 V 500 ma, 6.3 V 575 ma, 3x1 3/4x5 1/2 lbs sh. Used, \$100 \$49.50
EX-201 POWER CABLE, \$8.
DY-105 DYNAMOTOR SUPPLY, same as DY-88 except 24 VDC input only; used, \$45.00



GN-58 GENERATOR SET

GN-58 HANDCRANK GENERATOR with legs, seat and two cranks; designed to power RT-77 transceiver in field but other uses possible (An exercise bike for those who want something more from a workout than sweat!) Outputs 425 VDC 115 ma, 105 VDC 32 ma, 6.3 VDC 2.5 amps, 1.4 VDC 465 ma from your own (or friend's?) muscle input. Generator 10.5x7.5x8; 39 lbs sh. Used, \$35.00 \$27.00



VERY HIGH VOLTAGE

DC POWER SUPPLY WITH 107-125 VAC 60 HZ PRIMARY. TWO OUTPUTS: -5.4 TO 5.75 Kv. @ 140 TO 300 U-A. ONE OUTPUT: -5.1 TO 5.3 Kv. @ 100 TO 270 U-A. SIZE: 12x2x4 1/2. WT: 10 LBS. GE#9T63Y2029G6, Used, \$10.95

HIGH VOLTAGE SUPPLIES

HIGH VOLTAGE DC CONVERTERS originally a CRT HV supply module; use in HV experiments or in bug zappers. #ULC-14-07C, input 5-15 VDC 100; output 4.5 to 13.5 KV. Also 175-402 V and 70-93 VDC. Potted; PTK mfg. 3.2x4.2x1.4, 3#. NEW \$9.95 #B2-10841-01, input 10-20 VDC 100-300 ma produces output of 10-20 KVDC; aux outputs of 64-135 V and 35-39 V. Greater current output than above supply; components accessible-not potted. 5.5x5.5x1.8, 2#. NEW \$12.95

TRYGON DC SUPPLIES

DC SUPPLIES for the military; inputs 105-125 VAC 48-62 Hz. Outputs regulated 0.01%. W/2.5" dia volt- and ammeters; 6.5x19x15. #PP-4464 (Trygon M15/15A), output 15 VDC 73V 0-15 amp; 70 lbs sh. Used, \$125.00 #PP-4466 (Trygon M4.5/30A) output 4.5 VDC 7-1V 0-30 amp; 65 lbs sh. Used, \$65.00 \$45.00

COMPUTER SUPPLY

COMPUTER POWER SUPPLY with popular outputs 28 VDC 9.6 amps and regulated 5 VDC 5 A, 12 VDC 5A, -12 V 2 A, -6.8 V 0.8 A. Operates from 100-125 VAC 60 Hz. Supply has many useful components such as transformer rated 39.8 VCT 8.5 A and 22.7 V 12 A, front panel w/(4) 10x2-7/8x1 1/2 heatsinks and six 2N3055 transistors, (2) K25005 bridge rectifiers, capacitors (3) 51000 mf and one 19000 mf 40 VDC, regulator PC card, other parts. Made in Canada for NCR. 10x14x12, 65 lbs sh. #M32-01-775, \$29.95; 2/\$30.

SOLID STATE POWER SUPPLIES rated conservatively and constructed on rugged steel frames. Units have front voltage adjust 10% running light, AC reset. Also adjustable current limiting and overvoltage protection. Power input: 115 VAC 60 Hz. Removed from equipment. Add \$10.00 to prices for "checked" units.

RATING	SIZE	Sh Wt	No.	PRICE
4 V 30 A	13.5x7x15.5	65#	926	\$20. \$24
20-24 V 5.5 A	9.5x7x20	47#	352	\$40. \$30
30 V 3 A	15.5x7x19.5	78#	989	\$27. \$21

DUAL POWER SUPPLY, same style as above, -32-36 V 14.7 A and -32-36 V 10.7 A; two independent regulators w/common buss. 20x12x14, 125 lbs sh. #450, \$60 \$45

12 VDC FOUNDATION

COMPUTER POWER SUPPLY provided 12 VDC 3.5 amp & 4-5 VDC 17.5 amps output with current limit and OVP from 115 V 60 Hz input. Units less regulator cards but otherwise complete. Good basis for your custom supply. 6x8.5 x14, 34 lbs sh. #9566-LC, used, \$17.95 CRT LOW VOLTAGE SUPPLY, 10 VDC 1.75 output +/-1 V from 115 VAC fused input. W/cover and plug. 4x6.3x10.5, 13#. #LV-HFE, used, \$5.95

COMPUTER SUPPLIES

COMPUTER POWER SUPPLY, outputs +5 VDC 15 amps and +12 V 1 A from 115 VAC 60 Hz input. Uses IC regulator to drive 2N3055; also LED status indicators, 4 1/2" axial fan, and cover. 6x6x19 3/8 lbs. #MA-2149, used \$20 \$15. #FD-2266 DISK DRIVE SUPPLY as above but +5 V 5 A, +24 V 5 A, -5 V 1 A; Wilton mfg. \$24.95

DC REGULATOR BOARD

POWER SUPPLY REGULATOR BOARD for supplies +5 -5 regulated 3 amp and upto 24vdc unregulated. W/capacitors 2/15000 mfd 15 V, 22000 mfd 30 vdc, 2/4BPC bridge rectifiers, two 2N6576, 2/2N4441 SCR. Regulators fixed encapsulated circuit boards and replaceable. 7.75x6x4; 3 lbs sh. #MEND-REG-SU, NEW, \$6.50

MODULAR SUPPLIES

AC DC #ECV5N6-1 5 VDC 6 AMP MODULAR SUPPLY. +0.05 line and load regulation from 100/117-220/230/240 VAC 47-440 Hz input; 4.9x5.6x2.5, 5 lbs. NEW \$17.95 ACME ELECTRIC 15 VDC 5.5 AMP SUPPLY, voltage adjust +0.75 V; +0.1% line and load regulation from 115-220/230 VAC 47-440 Hz input. Also remote sensing and adjustable OLP. 9x4.9x3, 8 lbs. #APH15-6.S, NEW \$22.95

SUN SUPPLIES

OPEN FRAME SUPPLIES which can be used as-is or taken apart for excellent parts values; 115 VAC 60 Hz input, 32 lbs sh. All unused: #PS-3REG SUN SUPPLY, features two modular regulators 12 VDC 4 amp and one 5 VDC 8 amps max. Unregulated DC outputs 15 V 15 A and 15 V 2 A. AC outputs 50 VCT 2 A, 54 V 2 A, 30 V 1.2 A, and 6.3 V 2 A. Nice 10x12x3.5 chassis; o/a 10"H. Unused, \$24.95 #PS-1415-NR SUN SUPPLY, unregulated DC outputs 14 V 15 amp, +22 V 4 A, -22 V 4 A; AC outputs 19.3 V 1 A, 30 V 1 A. Includes 5.5x4.8x2.6 and 1.5x4.8x1.3 heatsinks w/200 V 25 A rect-bridges and capacitors; no regulator modules, 20 lbs sh. Unused, \$14.95

10/4.5 VDC 15/3.5 AMP

DC POWER SUPPLY provides 10 VDC 15 amp and 4.5 VDC 7.5 A outputs from 100 to 127 VAC 60 Hz input. Wire output in series for 14.5 VDC at 3.5 A. 7x12x4.5, 17 lbs. #FX-2939, \$14.95

CASH REGISTER POWER SUPPLY has outputs +6, +10, +15, -24 VDC from 115 VAC in. Also 6 V gel-cell battery. 6x4.8x1.5 heatsink with 4/70-7 transistors, and regulator board. 8x8.5x7.3, 22 lbs sh. Origin #202550A unused AS-IS \$22 \$14

120 V 20 KHZ SUPPLY

LAMP POWER SUPPLY, an item for the experimenter who finds the 120 VAC 20000 Hz out from 120 VAC 60 Hz input intriguing or finds the supply a good source of usable parts. Consists of two 6x4.1 heatsinks each w/2N3055, transformer w/2-4 VCT 500 ma outputs, ferrite core autotransformers, PC board. 4.8x2.5x7.5, 9 lbs. GE#PT69Y1500-64, \$6.95

UNUSUAL TUBES for collectors and experimenters. Filaments checked but not guaranteed.

JAN 218 RECTIFIER TUBE, 1/2 wave high vacuum; jumbo 3-pin base. 15 1/2"Hx5" dia \$10. 250TH-R TRIODE w/bad filament 4-pin base; 10"Hx5 1/2" dia, \$8. JAN 705A RECTIFIER, 4-pin base. 5"H x 2 1/2" dia. \$5. JAN 715B PULSE AMP TETRODE 4-pin base, similar shape as 705A; 5 1/2"Hx2 1/2" dia. \$6. WESTINGHOUSE OL-2 TUBE WITH-IN-A-TUBE, 12 1/2"Hx2" dia \$7. EIMAC 2-450 high vacuum HV rectifier, 30 KV peak; 7.5 V 25 amp fil. Magnificent large glass! 13.3"Hx4.3" dia; 6#. Unused. NOT tested, \$17.90 \$12.50; if TESTED, \$125.

500 MHZ

TRANSMITTING TUBE 8012-A TRIODE
DIRECT WIRE
FILAMENT: 6.3 V, 1.92 AMPS.
MAX. PLATE: 1000 V, 80 MA, 40 W
CAP: G-F 2.7; P-F 0.4; G-P 2.5
MU 18; GRID CURRENT 20 MA
CLASS "C"
TELEGRAPHY 35 W
TELEPHONY 20W
W/O DATA, UNUSED, \$2.00 EA. 4 FOR \$6.

REGULATOR MODULES from the Sun supplies, each with current limit and voltage adjust. Includes bridge rectifier, filter capacitor, two 2N3055 or equal and 723 regulator; 2 lbs. #SUN-REG-124, 12 V 4 A; 2#. \$10. #SUN-REG-58, 5 V 8 A w/OVP; \$8.

COLECO DRIVE SUPPLY

COLECO DISK DRIVE POWER SUPPLY for ADAM system; transformer type with outputs +5 V 3 amp, +12 V 2.9 A, -5 V 200 ma, and +18 V inductive 1 A. 115 V 60 Hz input. With cords and On-Off switch. 11x4x8, 10 lbs. #COL73559 unused, \$12.95

CIRCUIT SUPPLY MODULE

POWER SUPPLY MODULE with conductor cord, fuse, 100/115 V input switch, and 50% voltage switch. Outputs: 18 V 350 ma and 30 VCT 600 ma. 50% switch results 9 V 350 ma and 15 VCT 500 ma. 6x4 1/2x3, 4 lbs. #PM 4404-87AD, used, \$5. \$3.75

MICROCOMPUTER POWER SUPPLY, USES TWO 3-TERMINAL REGULATORS AND A 723 WITH TIP3055 TRANSISTOR. INPUT: 115 VAC 60 Hz; OUTPUT: -25 VDC 180 MA; -5 VDC 800 MA, -15 VDC 1.25 AMPS. WITH SCHEMATIC. SIZE: 3x5x3 1/2; SHPG. WT: 10 LBS. #ECRPS-744, ser. 65.

24 VDC 6 AMP SUPPLY

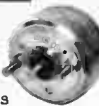
24 VDC 6 AMP POWER SUPPLY originally used in Xerox equipment but usable to power R-392 receiver and other equipment. Requires 105-125 VAC 60 Hz input. 4x9x8 1/2, 20 lbs. #AS-59134, used-checked, \$24.95

PRINTER POWER SUPPLY Has AC outputs 2/24, 6, 18, 42-14-0-14-42 V from 115 VAC 60 Hz input. DC rectification required for proper voltages. Also has line filter for external fan, relay for cover interlock, and two fuses. 11x6x4, 18 lbs sh wt. #803-101, \$14.95 \$9

550 VDC TRANSISTORIZED POWER SUPPLY, 115 VAC 60 Hz input. Units marked "200 VDC" but they test at 240 VDC 300 ma. 5x4x5, 15 lbs. #3930, NEW, \$22

LEDEX

LEDEX HEAVY DUTY SOLENOID #S-8210-025, 8-position 45° stroke, 28 VDC Starting torque: 5 lb-in @ 35 watts (15 lb-in holding) continuous duty. Upto 32.8 lb-in starting torq. @ 700 watts 1/20 duty. 75 size: 2 1/2" dia x 1-7/8" with 3/8"x3/8" dia. shaft. 4 lbs. Unused, \$4.95



LEDEX 24 VDC ROTARY ACTUATOR, 30° index, 20A coil. Has two ceramic wafers, one 2P 4 contact (2 n.c. position); other 4 contact, 8 n.c. Also phenolic wafer with contacts for breaking coil circuit. 5" L shaft for adding more 1-7/8" wafers. O/A 7.5x2.3x2.8, 1 lb sh. #RS-51102, unused, \$6.95

48 VDC ROTARY ACTUATOR, 30° index, 70Ω coil. One fiberglass wafer w/4 shorted contacts unless "selected". 1" L shaft for adding 2 more 1-7/8" wafers. O/A 3x2.3x2.8. #81840-123456. \$4.95

TIME DELAY SEQUENCE RELAY, has 3-SPDT & 1-DPDT 12 VDC 6 A relays. Delay sequence ON/3.5s/5.0s/10 sec. Solid-state w/24 V 1 amp transformer, 250 mfd 50 VDC cap. 115 VAC 60 Hz input. 7 1/2"x3 1/2"x3 1/2", 3 lbs sh. #140-P197C \$6.95



SIGMA DC RELAYS; OPEN-FRAME, 2 AMP CONTACTS, 1/2"x2 1/2"x1 1/2" REMOVED F/EQUIP. #41F500SIL, 12 VDC 5A, \$1.25 #41F1000SIL, 12 VDC, \$1.50

GUARDIAN ROTOMITE STEPPER, 12 VDC 12 position 3 amps resistive. 3x 1 1/2"x1 1/2"; #706-12P-12D NEW \$4.

F&B KP-4175-1 DP-DT PLATE RELAY; sealed metal can, requires octal socket. 2.5x1.5x1.4, unused, \$2.00

DUAL COIL EACH 3PST; one 24 VDC, other 48 VDC. PCB mfg. 2 1/2"x2 1/2"; #116-2601, \$2.50

MOTOR DRIVEN SPST RELAY normally open, 115 VAC 60 Hz 10 A contacts. Non-synchronous 115 VAC 4/5 RPM motor's cams can be set to make contact over 30-60 sec range. Provision to bring out shaft. 2.5x4x2, 1 lb. #N17R-68292, unused \$5.

E-T-A CIRCUIT RESET push switches, type 45-700-F. Fits into 3/8" hole; requires 2" depth. O/A 1 1/2"x2 1/2"x2 1/2"; Used. 15 A. \$2.50

MUTER 433-AC 10K OHM POT, 1930's-40's precision pot; 1/2" dia shaft. 3 1/2"x5 1/2" dia. Unused \$4.



ETEEPING SWITCH 8-deck 20-position 115 VDC Clare type 20 6x6x2, 5 lbs. #A320750 \$10.

#7709181-P6, 9-deck 25-pos 24 VDC \$7.50

SOLID STATE RELAYS control voltage 3 to 30 VDC which controls 140 VAC 6 amps; 1.2x1x1.1. Grayhill mfg. #70S2-04B-06N, NEW. \$3.25

TELEDYNE #601-1003, control volate 3 to 10 VDC, 140 VAC 5 amp load; 2x1x1. NEW. \$3.

P & B 3PDT PLUG-IN TYPE RELAY WITH 24 VDC COIL. 120 VAC 10 A. CONTACTS. #KUP14015, w/socket, \$2.95

AC CONTROL RELAY, 120 VAC COIL; SPST N. OPEN 10 A. AND SPST N. CLSD. 10 A. CONTACTS. SEALED CAN, SOLDER TERM. 3 STUD MFG. 2 1/2"x1 1/2". #7321/6717, \$2.50

DOLLAR DAZE RELAY PCB BOARD, 3-SPDT 12 VDC relays in 1x5/8"x3 plastic cases \$1.50

RHEOSTATS

RHEOSTAT VALUES: FIRST SET OF NUMBERS AFTER RHEO-PREFIX IS THE WATTAGE. YOU INDICATE DESIRED OHMS IN SECOND SET. SCD= SCREWDRIVER ADJUST.

#RHEO-25W-(ohms), \$1.50 ea:	2	5	6	7	
	75	15	50	60	
	250	300	350	400	500
	600	800	1K	1500	2500 3500
	5K	10K			(DUAL 50A, \$3)

#RHEO-50W-(ohms), \$2.00 ea:	5	10	15	16
	18	20	30	35
	200	225	500	100K
	DUAL 35	\$4;	TRIPLE 2.8	\$6

#RHEO-75W- 16 25 100 \$2.50	#RHEO-100W- 5 20 125 1K \$3.
#RHEO-150W- 500 750 \$4.00	#RHEO-225W- 2500 ohm \$6.00

MIRRA 25 WATT "ANTIQUÉ" POTS w/ knob and pointer. Looks like those used in 1920's radios. Specify ohms: 6, 250, or 400. Unused, \$4.50

10-TURN HELIPOTS 2 1/2"x1 1/2" dia; 1/2" dia shafts. Used.

30K ohms 3-term	3x 1/2" L shift \$3
50K ohms 3-term	3x 1/8" L shift \$3
100K ohms 3-term	5x .5" shift NEW \$4.

RB-DUODIALS f/above Used \$5

RADIO COLLECTOR'S DIRECTORY AND PRICE GUIDE by R. Grander & G. Fat-hauer; 1921-1941 in listings, commentary, pictures. 351 pp; 3 lbs sh. \$15.95

REED RELAY CIRCUIT BOARD, 3/500 ohm and one 5K ohm 10-15 VDC reed relays w/ large 1/8"x1/16" contact area. Also one 26 VDC DPDT sealed relay 3/8"x7/8 #792-312, unused, \$.95

CRYSTALS

FT-241 CRYSTALS f/BC-604, 684; channels 0-79. No choice 3/31. Choice \$1.50 200 KHZ FT-241 XTAL, \$3.50

1000 Khz CRYSTAL, temp. coeff. 0.0001% (±10 Hz)°C. Octal base; f/BC221-T3323-LM21 freq. meters. Socket wiring may be changed. #12.

JK-02 CRYSTAL OVEN FOR CR-26 CRYSTALS OPERATES FROM 6.3-24.2 V. AC/DC, OCTAL BASE. MOTOROLA #251B1001 FOR ONE CRYSTAL AS USED IN R-394-257 RECEIVERS. \$1.95 MOTOROLA #251B1003 FOR TWO CRYSTALS AS USED IN T-278-208 ETC. TRANSMITTERS \$2.50

12.0 MHZ CRYSTAL OVEN, octal based unit has CR-28 type crystal; 110 VAC. 4x1.8x1.5 1 lb. #Y501/FR-5, used, \$7. 12.0 MHZ CRYSTAL OVEN octal based unit has CR-36 crystal; 24 VDC. 1.8x1.3" dia: #XTL-MD203, used, \$4.95

AN-3160 PUSH-BUTTON aircraft circuit breaker. 24-30 VDC: 5 or 10 amp. \$1.25 ea

HEINEMAN MODEL AM12BK, 2 1/2"x2 1/2" 12 VDC 3 A \$1.25 50 VDC 3 A \$1.35 50 VDC 40A \$1.50

AM12 115 VAC 60 Hz \$1.50 ea AMPS: .93, 1.75, 4.2, 5-15

JIRPAX UF11-11-676 65 VDC 45 A; delay 51, trip 56.25 A. 2 1/2"x2 1/2". NEW \$3.

#UF31-1R2C2, 65 VDC 1.25 amps; delay 51, trip 1.57 amps. Aux switch 10 amp 250 VAC. 2 1/2"x2 1/2", \$3.00 HEINEMAN AM33MG3, two pole 115 V 10 A; 1 1/2"x2 1/2" \$2.50

HEINEMAN GDE TYPE CIRCUIT BREAKERS, ganged two pole; 4 1/2"x2 1/2" 2 lbs. NEW

#CD2-Z10-1, Rt 0.035 A DC Cur P. Lt 68 A 270 VAC 60 Hz Cur 3. \$4.00 #CD2-274-2, 10 A 132 VAC 60 Hz T.D. 2; 125 A 10 VDC T.D. 3. \$4.35 #CD2-A3-DU, two 18 amp 240 VAC T.D. 1. \$4.50

F&B #375-207-101, 7 amp 250 VAC or 32 VDC max. Recessed button. 1 1/2"x1 1/2". NEW, \$1.25

HEINEMAN CIRCUIT BREAKERS: #AM2511M6, 230 V 3.7 amps 3 1/2"x1 1/2", used \$2.25 ea #JA2-AB-A, 240 VAC; hold 17 A, trip 21.25 A. \$2.

MAGAZINES

We carry current issues of CQ \$2.50 QST \$3.00 Ham Radio \$2.50 73 \$2.95

BOOKS & TECH MANUALS

\$4.00 each
 ** * * * * *
 AN-598
 FP-867-868
 -869
 FP-846
 DY-93-98-100
 ARC-27 O.I.
 ARN-59 O.I.

00 each
 ** * * * * *
 FI-1175
 IU-143C
 RD-60
 AN/33C-1
 I-208
 AN/PDR-27
 \$7.50 each

Notes: All manuals include maintenance info & schematic unless noted otherwise. O.I. Operating info only N.S. No schematic repro -Partial reproduction w/operating, maintenance info & schematic.

\$5.00 each
 RT-66-67-68
 RT-70
 AN-65
 R-520 (mil-Zenith Transoceanic)
 BC-191
 BC-375
 RU-19
 BC-331AH only
 PP-281-282
 -484 repro
 FP-804
 FP-100-115
 A-26

SX-28 repro
 BC-652-653
 AN/VRC-7
 BC-1000
 BC-1335
 AN/PAC-6
 AN/GRH-5
 R-108-109
 R-257
 T-278-416
 AN/ARN-12
 AN/CRT-3

FGC-20 & 21 contains TT-98, -99, -100 and FP-978, \$10.

SCHEMATICS

REPRODUCTIONS of schematics \$1.50 and up. WHITE.

TEST EQUIPMENT MANUALS
 AN/TRM-1 repro \$10.00
 AN/URM-2ED repro 10.00
 AN/URM-25F repro 10.00
 AN/URM-C6B repro 12.00
 SG-12/URM-48 repro 12.00
 TS-403/URM-61 repro 12.00
 TS-621/URM-52 repro 10.00
 RH-5/URM-80 7.50
 TS-510/USM-44 repro 10.00
 AN/USM-50 repro 10.00
 AN/USM-105 repro 17.00
 AN/USM-116 repro 10.00
 AN/USM-117 repro 15.00
 AN/USM-140 repro 17.00
 FR-149/USM-159 repro 10.00
 BC-221 f/most models 7.50

Reproductions \$8.50 each:
 M3-6D ME-26 Q3-8
 S3-92 TS-148 TS-352
 TS-375 TS-382 TS-433B
 TS-497B TS-505 TS-1060
 II-173B PRM-10
 TV-2, -7 or -10A \$10 ea.

TEK G \$6.00 W 6.00 1A1 \$10. 1A2 7.50 1A4 7.50 1A5 7.50 130 6.00 131 6.00

CA partial repro, 8.50
HICKOK 1805, part-repro \$15
 PARTIAL REPRODUCTIONS
 BC-312-342 \$10.00
 BC-603/604 (SCR-508) \$10.00
 SCR-509/510 (BC-620) \$10.
 SCR-608/628 (BC-683-684) \$10
 CV-1982/TSC-26 \$10.00

 AN/ARC-5 BRANCH TEST and ALIGNMENT, covers necessary info to align R-23A, R-148, R-25-26-27 receivers; T-18 thru T-22 xmitters; and MD-7 modulator. W/schematics; repro. \$7.50
 R-105/ARR-15 repro \$15.00
 AN/ARC-38 repro 17.00
 AN/ARC-38A repro 20.00
 RT427/ARC-39 repro 10.00
 AN/ARC-44 8.50
 ARC-60 (R19-CV431) 8.50
 ARC TYPE 12 including R-10-11-15-19, T-11-13, and related equip. 8.50
 AN/ARR-30 repro 10.00
 R-648/ARR-41 repro 15.00
 AN/ART-13 transmitter only, repro 12.00
 AN/AFR-4 repro 10.00
 AN/ARC-9 8.50
 AN/ARC-10 8.50
 AN/ARC-14 (R-808/T-631) \$22
 AN/ARR-52 repro 17.00
 R-395/FRD-1 repro 15.00
 AN/ARC-1 (T-14, R-19, and AN-8 pwr amp) 8.50
 AN/TRC-8 (TSO/R-48) 8.50
 AN/VRC-19 (R394/T278) 8.50
 R-591/URR repro 17.00
 BC-AS-229 repro 9.50
 BC-348-J-N-3 repro 10.00
 BC-348-K-L-R repro 10.00
 BC-624/625 repro 15.00
 BC-639 repro 8.50
 BC-669 repro 8.50
 BC-779/1004 repro 12.00
 CV-157 repro 15.00
 CV-591 (MSR-4) repro 8.50
 R-140 (HRO-E) repro 10.00
 R-220/URR-29 \$12.00
 R-274 repro 12.00
 R-388 (51J3) repro 10.00
 R-390 repro 15.00
 R-390A repro 15.00
 R-392 repro 15.00
 SP-600-JX repro 10.00
 T-195/GRC-19 repro 15.00
 TOS-12 repro 12.00

ARMED FORCES CROSS INDEX OF ELECTRON TUBES, 8/52: older mil-tubes, 120 pp. \$12.50

A USERS GUIDE TO ARC CORP RECEIVERS --by M. Tauson; ARO-5, ARC-type 12 etc. \$4.
"MAINTENANCE TM for Collins 490T-1 (CU-145B/166B)" \$14.
LOW & MEDIUM FREQUENCY SCRAPBOOK, 4th Ed. \$9.95
TI SEMICONDUCTOR MEMORY BOOK (1975), 272 pp, \$1.00

ARRL BOOKS

1988 RADIO AMATEUR HANDBOOK, \$21.
 FIRST STEPS IN RADIO, \$5.00
 OPERATING MANUAL, \$15.
 TUNE IN THE WORLD OF HAM RADIO, vkbook & cassette, \$15.
 UNDERSTANDING AMATEUR RADIO, an introduction, \$5.00
 200 METERS & DOWN, \$4. THE COMPLETE DX'er, \$10.
 FCC RULE BOOK, \$5.00 QRP NOTEBOOK, \$5.00
 ARRL LOGBOOK, \$2.50 FM & REPEATERS, \$5.00
 ANTENNA BOOK, theory and instruction on antennas, \$8.
 ANTENNA COMPENDIUM, articles from QST, \$10.00
 WIFB'S ANTENNA NOTEBOOK, \$8.00
 YAGI ANTENNA DESIGN, \$15. SOLID-STATE DESIGN, \$12.
 SATELLITE EXPERIMENTER'S HANDBOOK, \$10.00
 TOOLS & TECHNIQUES FOR ELECTRONICS, \$4.95

VINTAGE RADIO

VINTAGE RADIO 1887-1929, pictorial story of radio's early years; 1000+ pictures and commentary, 263 pp. Softbound, \$11.95
 A FLICK OF THE SWITCH 1930-1950, sequel w/TV, \$11.95
 1921-1932 RADIO COLLECTOR'S GUIDE, listing of over 9000 radios, 1100 mfgs; 263 pp. Softbound, \$11.95
 MOST-OFTEN-NEEDED 1926-1938 RADIO DIAGRAMS, reprint of Beitman's book of 600 old radio schematics, \$11.95

SOMOBUOY RECEIVER

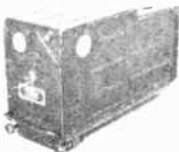


R-1170/ARR-52A VHF RECEIVER 162.5-173.5 MHz AM, FM and video using 31 crystal-controlled channels. Solid-state sonobuoy receiver consists of five plug-in modules: 26 MHz 1st IF, 5 MHz 2nd IF. Conversion possibilities for 2 meters, VHF weather, satellite TV, etc. (See Oct '74 CQ Mag.) Requires external control and 18 VDC. 7.5x2.5x10, 9 lbs. Used, \$29.95; Schematic, \$4 v/set. MANUAL, partial repro, \$15 v/set.

Requires external control and 18 VDC. 7.5x2.5x10, 9 lbs. Used, \$29.95; Schematic, \$4 v/set. MANUAL, partial repro, \$15 v/set.

ARC-45 UHF TRANSCEIVER

RT-295/ARC-45 UHF TRANSCEIVER designed for light aircraft and employs 12 preset channels in the 225-399.9 MHz AM range; 1 watt minimum transmitter output. Receiver IF's: 23.49-24.39 MHz and 2.98 MHz. Audio out 50 mw into 150 ohms. Uses 2/5893 tubes in PA. 5675 as doubler, 7077, plus 28 other miniature and sub-mini tubes. Requires 150 VDC 115 ma. 300 VDC 130 ma, 27 VDC 1.7 amps. 5.3x8.14x3.19 lbs. Used-no crystals \$75.00; Schematic \$5.



SB-328/AR CHANNEL SELECTOR for ARC-45: 12-position channel select, tone button, volume, and 2 pilot lights w/227 lamps. 2.5x5.8x4.3, 1.7 lbs. Used \$5.95; Unused, \$9.95

WW-2 AIRCRAFT TX-RX

SCR-522 RECEIVER-TRANSMITTER, WW-2 vintage unit has 30 watt output over 100 to 156 MHz range on 4 crystal controlled channels (crystals not available). 17 tubes including two 832's in P-A. External DC supply and control required listed below. 16.5x12.5x10.8, 50#. Used, \$29.95 MANUAL for SCR-522, partial repro, \$15.00 PE-94 DYNAMOTOR SUPPLY, powers SCR-522 from 28 VDC 11 A input. 12x5x8, 35#. Used \$9.95 BC-602 PUSH-BUTTON CHANNEL CONTROL, used \$6. CONNECTORS f/SCR-522, \$3 each as available.



BC-457/T-20 COMMAND TRANSMITTER, 4-5.3 MHz unit of the legendary WW-2/Korean SCR-274/ARC-5 aircraft radio. Requires 575 VDC 175 ma. With 1629 "eye" tube for tuning and calibration, 2/1625, & 1626. 5x7x12, 17#. Used, \$24.00

WRITE for stock of other Command Sets.
 MC-215 SPLINE for remote tuning, 6 ft, \$3.00
 DM-32 DYNAMOTOR, 25 VDC f/receivers, \$4.95
 MT-77 MOUNT for BC-442/RE-2 relay box, \$3.00
 FT-232 SHOCKMOUNT for FT-234 rack, \$5.00
 FT-234/ single transmitter rack, \$3.25
 FT-227/MT-70 SHOCKMOUNT f/FT-226 rack, \$2.50
 C-48 TUNING CONTROL, panel style for ARC receivers 190-550 KHz; MC-215 required, \$8.
 C-22 TUNING CONTROL, 108-15 MHz, used, \$7.95
 BC-451 TRANSMITTER CONTROL, 1 to 4mitters; built-in key, mode, mic jack, unused, \$5.00
 BC-496 DUAL CONTROL, 3-6 and 6-9 Mhz dials for BC-454/BC-455 pair; unused, \$7.95
 BC-450 TRIPLE CONTROL, 190-550 KHz, 3-6, and 6-9 Mhz dials for BC-453-454-455; unused \$8.

R-19/ARC AIRCRAFT RECEIVER, 118 to 148 Mhz continuously tunable. No dial; designed for remote tuning with spline shaft. IF-15 Mhz. With tubes 9002, 3/9003, 14A7, 2/14R7, 14Y7, and 12A6. Uses accessories similar to ARC-5 Series. Requires 250 VDC 60 ma and 24 VDC. 6.1x5.1x11.1, 13 lbs. sh. Used, \$18.95



R-11A RECEIVER, 190-550 KHz. Similar to R-19 but has 85 KHz IF and tubes 2/14A7, 14S7, 14R7, 14Y7, and 12A6. Used, \$12.95

K-10 BROADCAST BAND RECEIVER, 550-1500 KHz, similar to K-11. Used, \$24.95

ARC-39 RECEIVER-XMITTER

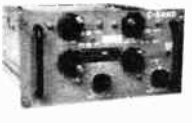


RT-427/ARC-39 RECEIVER-TRANSMITTER, REPLACES COMMAND SETS; COVERS 2.0 TO 9.1 MHz IN TWO BANDS; SIX CRYSTAL-CONTROLLED FREQUENCIES PER BAND. RF OUTPUT: 10 WATTS MIN. INTO 10 OHM LOAD (100 PF). 100% AMPLITUDE MODULATION; AUDIO OUTPUT: 200 MW WITH 1000 UV 30% MODULATED INPUT; 800 MW MAX. BANDWIDTH: 8 KHz @ 6 DB DOWN. METER INDICATES RELATIVE RF OUTPUT TO THE ANTENNA. WITH TUBES OB2, 2/12A77, 4/5749, 5750, 3/5686, 4/5814, & 3/6159. POWER REQUIRED: 28 VDC 4.4 AMPS WHEN RECEIVING; 8.5 AMPS TRANSMITTING. SIZE: 7.1x10.2x21.1; SHPG. WT: 42 LBS. PRICE: USED, COMPLETE, \$49.50 MANUAL FOR RT-427/ARC-39, REPRODUCTION, \$10.

225-400 MHz CONVERTER



AM-914/TRC AMPLIFIER-CONVERTER, originally used with military R-417 receiver as plug-in for the 225-400 Mhz range. Continuous tuning of RF and oscillator; 30 Mhz I.F. Unit has conversion possibilities as discussed in R. Grove's article in 10/80 issue of CQ magazine. With tubes 5670 and 4/6J4. 7.1x6.1x9.1, 17 lbs sh. Used, \$34.95
 AM-1179/GRC, 50 to 100 Mhz, \$39.50
 AM-1177/GRC, 400 to 600 Mhz, \$44.50
 AM-3203A/GRC, 1.35 to 1.875 Ghz, \$49.50



AM-1178/GRC AMPLIFIER-MULTIPLIER, used in T-302 transmitter for 400-600 MHz FM range. 100 W out f/4X150A and 4X150G. 12x6x14, 45 lbs. Used \$75.

BC-AS-229 RECEIVER, 201 to 398 KHz and 2500 to 7850 KHz using plug-in coil sets. Uses tubes 37, 38, & 4/39's. Requires 230 VDC 80 ma and 12 V. 8x7x16, 15 lbs sh wt.



Tuning coils not available. Unused, less coils, \$29.95
 PLUG \$3. TUNE KNOB \$2. MANUAL, repro \$8.50

ARC-3 AIRCRAFT RADIO



T-67/ARC-3 TRANSMITTER, post-WW-II VHF set covers 100-156 MHz AM using 8 preset crystal-controlled channels: 8 W power output. Uses DC-11-16-26 or CR-1 type crystals (not included).
 With tubes 2/832, 2/6L6, 3/6V6, 6J5, 12SH7. Requires 24 VDC and 410 VDC 125 ma. 7.5x12.7x15.3, 24 lbs sh. Used, \$24.95, \$19.95

R-77/ARC-3 VHF RECEIVER, companion to T-67 and also operates on 8 preset crystal-controlled channels (not supplied.) With tubes six: 6A15, 2/12S67, 2/12SN7, 12SH7, 12SL7, 12A6, 12H6, 9001, 9002. Requires 24 VDC and 210 VDC 210 ma. 6.1x11x14.2, 24 lbs sh. Used, \$22.95, \$18.95



SCHEMATIC for T-67 or R-77, \$1.50 each.

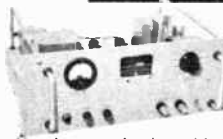


PHANTOM ANTENNA

GP PHANTOM ANTENNA as used with WW-II 350-9050 KHz aircraft transmitters to monitor RF at remote point. Has 3 1/2" rd 0-10 RF ammeter, 10 KV 0.0002 and 0.0003 mf G2 mica xmitting capacitors, 12-nickel-plated terminal posts in 14x12x9; aluminum case w/hinged top; 22 lbs. Unused \$28.

T-363/ARC VHF TRANSMITTER, 132 to 148 MHz AM five channel crystal-controlled; operates from 24 VDC input. 5 W output; companion to R-19 receiver. 4.5x4.5x6, 6 lbs; used, \$16.

ANTENNA COUPLER

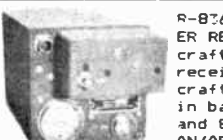


CU-872 ANTENNA COUPLER, handles upto eight receivers in the 2-32 MHz range. Gain: 0 to 3 db. Noise figure: 6 db or better. Has 0-50 microammeter test indicator and circuit selector switch on front. 70 ohm input; type N connections. With tubes 20/6922, OB2. Requires 115/230 VAC 50-60 Hz. 7x19x16.5, 40 lbs sh. Used-repairable, \$49.50 MANUAL for CU-872, partial repro, \$8.50

225-399.9 MHz RECEIVER



R-278 RECEIVER, 225 to 399.9 MHz AM; crystal frequency control for 1750 channels in 100 KHz steps; ten preset channels. Audio freq response: 200 Hz-20 KHz (wide), 200-5 KHz (narrow). Has AVC, squelch, and 44 tubes; unitized chassis, rackmount. 12.1x19.1x20, 115 lbs sh wt. Used, less guard channel, repairable, \$125. \$100 MANUAL, partial repro, \$15. Schematic, \$2.50



R-876/ARN-59 DIRECTION FINDER RECEIVER, same as Aircraft Radio Corp R-30A DF receiver used in light aircraft. Covers 190-1750 KHz in bands 190-400, 400-840, and 840-1750 KHz; replaces AN/ARN-6 radio compass system. Can be tuned using push-on knob or remotely using C-2275 control box (not available) and MC-215 spline. IF 142.5 KHz; with tubes 2/5718, 5896, 5/5899, 3/5902, 2/6021, 6112. Requires 24 VDC 1 amp, 110 VDC 90 ma, 125 VDC 20 ma; also 13 V 100 Hz for loop selsyns if used for DF. Voltages originally supplied by DY-107 dynamotor (not available)
 4.5x4.5x10.3, 9 lbs sh. Used, \$28.95
 OPERATOR'S MANUAL, \$3. SCHEMATIC, \$2 v/set.
 MC-215 SPLINE for tuning, 6 ft, \$3.00
 ID-637/ARN 3" dia COMPASS INDICATOR, \$8 v/set.

R-518 VHF RECEIVER

R-518/FRR-27 VHF RECEIVER, single-channel crystal-controlled reception of AM or tone signals in the 100 to 156 MHz range. Double conversion with IF's of 23 MHz and 3 MHz. Audio output: 1.5 watts into 200-600 ohms; 50 ohms balanced antenna input. W/squelch and tubes 3/12A77, 2/6AU6, 5654, 2/6AV6, and 6005. Requires 115 VAC 60 Hz; 6x19.5x18.8, 45 lbs. Used, \$40. Manual partial repro, \$10.



R-748/TRC VHF RECEIVER, single channel crystal-controlled in the 132-150 MHz AM range; 1st IF 20.7 MHz, 2nd IF 5 MHz. Has built-in speaker and controls Volume, Sensitivity, and Squelch. Selectivity +/-20 KHz; 6 db down; 52 ohm input impedance. Front panel hinged for access to RF chassis; tubes 2/OB2, 4/6AK5, 6A05, 6AX5, 2/6BA6, 2/6J6, 12A77, 12AX7. 115/230 VAC 50-400 Hz; 5.3x10x13.3, 34 lbs sh. Used \$29.95; Schematic \$2.

ARN-30D VHF RECEIVER

R-1021/ARN-30D VHF RECEIVER covers 108 to 126.9 MHz AM in 100 KHz steps (190 channels); originally part of air navigation system. 1st IF 11.7-12.6 MHz; 2nd 1.7 MHz. Electrically turned crystal turrets with frequency displayed on side panel. Adjustable squelch; 300 ohm audio output. 50 ohm input impedance; BNC connection. Tubes 5718, 5840, 5896, 4/5899, 5902, 6021, 6112. Requires 28 VDC 1.8 A and 260 VDC 85 ma. 5.5x11.4x4.6, 10#. Used, \$29.95

PP-2792/ARN-30D 28 VDC SUPPLY, mounts on rear and powers R-1021 from 28 VDC input. 3 lbs sh. Used, \$15 w/R-1021 purchase. Operator Manual f/ARN-30D, part-repro \$7.50

PIEZOE CRYSTAL



PIEZOE CRYSTAL CYLINDER for use in pressure or sound experiments. These unusually large 3.4" dia X 5" long crystals produce a high potential when subjected to pressure change caused by weight and temperature change. When audio frequency is applied crystal responds from 1.5 KHz with a peak at 12 KHz (3500 ohm impedance) and a peak at 17 KHz (230 ohms). Dips and peaks occur throughout the audio and ultrasonic range. Cylinder wall 0.4" thick; can be sawed with difficulty into smaller sections. Originally used in underwater detection system; 7 lbs sh. #P-XTAL-86, removed, \$27.95

VFO - EXCITER - MOD

VFO-MASTER OSCILLATOR FROM THE T-195 TRANSMITTER; GENERATES FREQUENCY OF 1.5 TO 3 MHZ. HAS 5749 OSCILLATOR TUBE AND 5749 BUFFER-AMP TUBE. WITH 2x3/16" DIA. SHAFT. 2x3x7, WT: 5 LBS. VFO/T-195, REMOVED FROM EQUIPMENT,



\$7.95



MODULATOR FROM T-195, DESIGNED TO PROVIDE PROPER AUDIO POWER TO MODULATE POWER AMP AND SUPPLY SIDETONE. 300 HZ AND 3500 HZ BANDPASS. W/TUBES 5726, 2/12AT7, 5814. LESS 4X150 TUBES AND SOCKETS. 8x6x4 1/2, 6 LBS. \$10.95



TRANSISTORIZED GUARD RECEIVER FROM modified RT-178/ARC-27; one channel in 238-248 KHz range. IF's 25.1/3.45 KHz; has detector, noise limiter, AVC, 4/2N1745 transistors, and 25.1 KHz filter. 8x4x4, 6 lbs sh. #5821-953-9695 used \$12.95

AM-777 AMPLIFIER DETECTOR, p/o RT-128A/ARC-21 2-24 Mhz transceiver; IF's 1800/300 KHz. Slug tuned; w/tubes 4/5638, 3/5696 3/5899, 3/6021, 5840, 5902, and 5719. Schematic included. 13x2x3 1/2, 5 lbs. Used, \$10.00



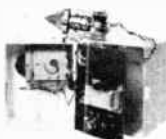
HYDROGEN GENERATOR

M315B HYDROGEN GENERATOR, used to provide hydrogen for 4' balloon p/o CRT-3 Gibson Girl rescue radio. Has 1200 grams of calcium hydride crystals in long can which, when immersed in water, produces hydrogen gas. (EXTREME CAUTION must be exercised in the performance of this process because hydrogen gas is dangerously flammable and the liquid calcium by-product is very caustic!) The M315B cans are dented; suitable only for the recovery of calcium hydride. 11.6"x4.3" dia, 4 lbs sh. Unused-dented, \$6.95 ea; 2/\$12.00 INFLATION TUBES FOR M315B, \$3.00 ea



TRANSISTOR RADIOSONDE

TRANSISTORIZED RADIOSONDE WITH CLOCKWORK TIMING MECHANISM (NO KEY); USED IN METEOROLOGICAL OBSERVATION OR SIMILAR APPLICATIONS REQUIRING AN EXTREMELY LIGHT-WEIGHT TRANSMITTER. UTILIZES A 2-TRANSISTOR MODULATOR AND A 2-TRANSISTOR TRANSMITTER CIRCUIT. TRANSMITTER HAS A 7533 INTEGRAL CAVITY TUBE WHICH FUNCTIONS AS THE TUNED CIRCUIT FOR THE OUTPUT: 1660-1700 MHZ, 575 MW (NO FURTHER DATA). WITH HUMIDITY ELEMENT. TRANSMITTER SIZE: 2 1/2" DIA. X 6"; OVERALL SIZE: 7 1/2"x4x5 1/2", 4 lbs sh. FRIEZ #3002, unused, \$9.95 \$6.95



AN/AMT-4A RADIOSONDE, consist of T-304A transmitter and MD-147C modulator; unit is similar to Friez 3002 except uses tubes 5764 and 5875 and operates at 1680 Mhz. Requires 1.5, 6, & 15 VDC. 2 lbs sh wt. #T-304A transmitter only, \$4.95; 2/\$8. MD-147C modulator only less humidity and pressure elements, \$3.00; 2/\$5. T-69F/AMT-2 RADIOSONDE TRANSMITTER only, 390-410 Mhz; 5703, 5910 tubes--\$2. BB208 battery, \$2.

TELE CASTER I

TELE CASTER I TELEPHONE METER, cost-effective device for the individual or business who wants to keep "tabs" on the length and costs of long-distance and, perhaps soon, local telephone calls. Initial and secondary rates/period are programmable using the numeric plus 6-function keyboard. LED display shows cost/period plus elapsed time hr-min-sec. Also display flashes 15 sec before rate change and has X60 speed-up time so maximum acceptable charges could be determined before the call. In sturdy, handsome beige plastic case. Requires 115 VAC 60 Hz; 2 lbs. NEW w/info \$8.



TAIL LIGHT ASSEMBLY

TAIL LIGHT ASSEMBLY with red tail/brake light and back-up light; also license plate bracket and one each GE1156 and 1157 bulbs. 13x6.5x3.5; 3 lbs sh. Peterson #M418LBL. NEW, \$6.95 ea; 2/\$12.00



OFFICE CASTER SET

OFFICE EQUIPMENT-STYLE CASTER SET, includes four 2.3" dia dual-wheeled black plastic casters with 3/8" dia threaded 1/2" long metal shaft. Two of the casters have a brake lever. Designed for copy machines but usable for similar weight equipment where "good looks" is a consideration. With hardware and instructions; 2 lbs sh. #73S1234, NEW, \$7.50



VASCAR II SPEED TRAP



VASCAR II DISTANCE/TIME COMPUTER-INDICATOR originally used by police agencies for clocking speed of vehicles while the police car was in motion or stopped. Speed of unknown vehicle determined by referencing a pre-measured distance or the distance can be set while both vehicles are moving. VASCAR can determine speed of vehicle in front of, behind, in opposite direction of, or across the path of the police car. Displays average speed in tenths of miles per hour upto 199.9 MPH. Computer module consists of four circuit boards with 5 VDC logic and transistors. Operates from 12 VDC 3.4 amps. Includes computer module, control/indicator module with cable and plug, power plug, and manuals. "AS-IS" transducer is now included. 2.5x13.5x7.3, 18 lbs sh. Used-not calibrated, \$60.00

X-RAY CONTROL

RITTER X-RAY CONTROL PANEL, interesting experimenter item; has 0-120 VAC 2.4 amp Staco variable transformer, 20-pos Impulse/Seconds switch. 1.8x0.8" edge-meter, SC110 120 VAC Sonalert, 7 A circuit breaker & ON-OFF rocker switch. 12.3x12.3x3.3, 7 lbs. #R-XR-CP. NEW, \$17.95 #NVR-XR-CP above X-RAY control less the variable transformer; 4 lbs sh. \$4.25



GRAB BOX ASSORTMENT OF USED AND UNUSED MANUFACTURERS AND GOVERNMENT SURPLUS ELECTRONIC PARTS SUCH AS ASSEMBLIES, MOTORS, COILS, TRANSFORMERS, CHOKES, CIRCUIT BOARDS, CAPACITORS, RESISTORS, AND OTHER USABLE ITEMS. PACKED IN 50 LBS. CARTONS. \$7.50 EA. OR TWO CARTONS FOR \$13.00.

Shipped via UPS with freight charges varying from \$6 to \$24 per carton. Allow for charges. GRAB BOX IS GOOD FILLER TO TAKE ADVANTAGE OF MOTOR FREIGHT 150 LBS. MINIMUM WEIGHT RATES.

PDR-27 RADIAC SET

AN/PDR-27 PORTABLE RADIATION DETECTOR consisting of IM-74 radiac meter and DT-53 or similar detector or probe with BS-1 Geiger-Mueller tube. Meter indicates amount of beta and gamma radiation in milliroentgens per hour. Range scale 0.5, 5, 50, and 500 M-rntgs/hour. BNC connection for headset monitoring. Requires 135, 22.5, and 1.5 VDC originally supplied by batteries (not available). 8x6x12.5; 15 lbs sh. Used, \$34.95



MANUAL FOR PDR-27, original, \$5.00 BS-2 GM TUBE, \$7.50; H-43 HEADSET, \$6. AN/PDR-27 "UNUSED" SET: IM-74, H-43, harness, manual, & CY-693 case; 25 lbs, \$95.00

HY-GAIN CB BOARD



HY-GAIN CB TRANSCEIVER BOARD; 7 xtal. IF transformers, PF coils. Similar to Hy-Gain boards converted to 10 meters (73 Mag. 2/84) and 6 M (72, 2/85); no further info. 5.4x5, 2 lbs. Unused AS-IS \$3.95 2/\$7

UHF MODULES

MODULES removed from R-540/ARR-40 265-284.9 Mhz aircraft receiver. Experimental potential by themselves or together. Connector plugs and schematics included.



MAIN RECEIVER MODULE includes 20 CR-23 crystals for the twenty 1 Mhz/step channels. Has 2 RF stages, Injection Osc, Injection Amp, Tripler, and HF Mixer. Mixer output 20.75 Mhz; with tubes 3/6AK5, 2/5840, 6021. Requires 120 VDC; filaments need rewired for 6.3 V. 4.5x3x5. #RF-REC/R540, \$7.95

GUARD RECEIVER/ IF MODULE, single channel (238-248 Mhz) xtal-controlled receiver with 1.85 Mhz IF output from 20.75 Mhz input. Tubes 2/5840, 3/6021. Requires 120 VDC; filaments need rewired for 6.3 VAC. 4.5x4.5x1.5, 4 lbs sh. #GUARD/R540, \$6.95 SET both #RF-REC/R540 & #GUARD/R540, \$10.



WEBCOR RECORDER

WEBCOR TAPE RECORDER plays and records 3-3/4 or 7-1/2 ips on upto 7" dia reels; has fast forward/rewind, edit lever, footage counter, and 20-0-20 record level meter. Built-in speaker; jacks for mic, bridge and external speaker. Monaural use only; 100-10000 Hz response @ 7-1/2 ips. 500K mic impedance; tubes 12AU7, 12AX7, 6X4, 6E05, 6HU6, 7025. Requires 115 VAC 60 Hz. 13.5x12.3x7, 32 lbs. Used-checked for basic playback/recording; may need further adjustment. Without mic & reels. #WEB-173B \$35. MIC \$6. MANUAL-partial \$8.50

ANTI-JAMMING TRAINERS

AN/ULT-T2 (15X12) X-BAND INTERFERENCE TRAINER, a low power transmitter in the 8500-9600 Mhz range designed to train radar operators in anti-jamming techniques. Unit can be manually tuned and modulated by a sine or square wave, pulse, noise, or modulation from an external source. Has controls for CW, 5-16 Mhz/sec sweep, 250-500-1100 KHz sweep sector, percent modulation, and pulse width 1-5 usec. Frequency modulation 15 Hz-15 KHz variable and fixed 50 or 100 KHz. Audio output impedance 600 ohms. Designed to be used within 50 feet of radar. Uses 2K45 klystron. Requires 115 VAC 50-400 Hz; with antenna horn. 13.8x19.8x19.8, 85 lbs sh wt. Used-complete, \$65.00

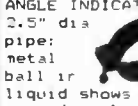


Control Boxes Filters Indicators Tuning Units Amplifiers


ALARM BELL
OPERATES FROM
24 VOLT D.C.
SIZE: 4x4x2 1/2
WT: 1 lb #561-3
NEW \$1.95



ANGLE INDICATOR, clamps to
2.5" dia
pipe;
metal
ball in
liquid shows 0-60° tilt on 4"
curved scale. #AL-060 NEW \$4



**RF CHASSIS f/
Bendix RA-18C**
108-136 Mhz
receiver; 7-
gang capacitor
tunes ant-coil
RF grid, RF
plate, mixer grid, 1st oco-
quadrupler, 1st oco-amp, &
cathode follower input.
Tubes 2/5654, 5670, 5725;
requires 6.3-12.6-108-250
VDC. 3x3x10 1/2, 5 lbs. w/
schem. #RF100-RA18 NEW \$10.




TX MONITOR
CARRIER MONI-
TOR provided
DC and audio
currents for
remote check
of transmitter
operation. Units
LESS 3 pf 15 KV
vacuum capacitors but still
good parts value including
600 VCT 35 ma transformer;
tubes OA2, 6AL5, 6J6, 6X4;
600:600 ohm AF transformer,
DPDT & SPST toggle switches
two 49 pf air trimmer caps,
etc. 6x8.5x6.3, 12 lbs sh.
#CAR-MON-87, unused, \$5.95
#CAR-MON/VC, above with
vacuum capacitors, \$14.95



**LS-230 INTERCOMM-
UNICATION STATION CONTROL BX**
CONTAINS 3 ROT-
ARY 3 POSITION
LEVER CONT. SW
| LEVER SW. OP-
DT CENTER OFF,
| LEVER SW. SPST | SIDE,
OTHERSIDE SPST MOM. & CENTE
OFF. 3 LITE IND. PHONE &
MIKE JACK & | MIN. TRANSFOR
50 TO 500 OHM. SIZE: 7x5x2 1/2;
WT: 3 LBS. PRICE: \$5.95




**FIRE CHEX AUTO
SHUTDOWN DEVICE**
automatically
disconnects a
vehicle's elec-
trical system
in a collision.
Also use of its 80" spline
control allows Fire Chex to
manually "shutdown" elec-
trical systems making it
more difficult for a thief to
steal a vehicle. With
spline, fused line, mount
brackets, info. 4.5x4.5x1.8
6 lbs. #FI-CHX, NEW \$5.95




**SODECO 6-DI-
GIT COUNTER**
electrically
resettable;
60 impulse/sec count coil
and reset coil both 24 V
DC 85 ohms. 1-7/8x15/16
x4 1/2; #RQ266, NEW, \$8.95



**RIGHT ANGLE
DRIVE vernier
control, 1 1/2"
dia. dial, w/
lock & coup-
ling f/1/2" shf**
3-hole mtg. #TU-10RA, \$3.50




ARC-5 BOXES
BC-450 RECEIVER CONTROL f/
tuning upto 3 receivers.
W/dials 190-550 KHz, 3-6
Mhz, & 6-9.1 Mhz; CW-off
-MCW switches, volume con-
trols, and phone jacks.
9 1/2x5 1/2x3, 3 lbs. Unused \$8.



BC-496 DUAL RECEIVER CON-
TROL for SCR-274/ARC-5 re-
ceivers; tuning dials for
3-6 and 6-9.1 MC, volume,
etc. 2 lbs sh. Unused \$7.95

BC-451 TRANSMITTER CONTROL,
for one to four Command
xmitters; built-in key,
mode, mic jack. Unused \$5.

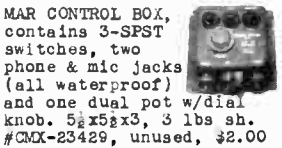
AUDIO FILTER
F-90 AUDIO FILTER, reduces
interference in CW and au-
dio signals for receivers.
Provides sharp null at
approx 1020 Hz in voice
mode while frequencies near
1020 Hz are passed in
"range" mode. Response can
be broadened by placing
variable resistor from in-
put to output. 5.8x2.5x3.8
3 lbs sh. Used, \$3.95
CONNECTOR for F-90. \$2.50




BC-366 JACK BOX
switch "Comp-Lai-
son-Command-Inter-
Call". Increase
Output pot. 2 phone jacks.
3.3x4.8x3, 2#. Unused \$4.95

SPDT VACUUM
RELAY ASSEMBLY
antenna trans-
fer relay from
Collins 180L3 an-
tenna tuner; coil
28 VDC 38 ohms.
O/a 5x6x2.3, 3#.
#K712/180L3, used, \$19.95

MAR CONTROL BOX,
contains 3-SPST
switches, two
phone & mic jacks
(all waterproof)
and one dual pot w/dial
knob. 5 1/2x5 1/2x3, 3 lbs sh.
#CMX-23429, unused, \$2.00



SR-327/APC
CHANNEL
SELECTOR
24-51.9
MHz FM
in 100
KHz steps
on 3-digit counter; used
with RT-294/ARC-44 Tx-Rx.
3x5.8x4.5, 3 lbs. Used \$15.



3A-474/AR SWITCH BOX has
mini-toggles 4/DPDT, 1/DPST
and 2 pilot lights w/327
lamps. 2 1/2x5 1/2x2. Unused \$6.


SB-328/AR CHAN-
NEL SELECTOR
for ARC-45;
12-pos chan-
nel select,
tone, volume, 2-pilot light
w/327 lamps. 2 1/2x5 1/2x2,
2 lbs. Unused \$10. Used \$6.

SB-229/AR SIGNAL DISTRIBU-
TION BOX, p/o ARC-44; WRITE

-A REAL BONA-
NA
HAS MANY ITEMS
YOU CAN USE: 14
"tune to max"
300 ua meter;
4-band bandswitc
& dial esay; 5-
position rotary
sw with 1-pos mo-
mentary; spin
crank for tuning with 10-
turn pot; volume control
w/3-gangs; five 327 lamps;
Loop switch (L or R momen-
tary); SPST toggle sw; other
parts. Originally tuned
R101/ARN-6 (p 4). May have
broken wafer switch; 6 lbs.
#C423/ARN-6 used \$4; 2/#7.

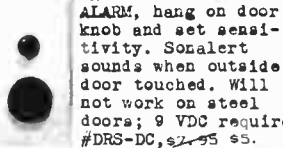


AIRCRAFT FUEL FLOW GAUGES
3.5" dia type 6007: 26 V
400 Hz for autosyn; unused:
ECLIPSE-PIONEER #51E-36E.
1 to 10 lbs/HR x 100. \$22.
BENDIX #38B-7-B, 1 to 20
lbs/HR x 100, \$25.00



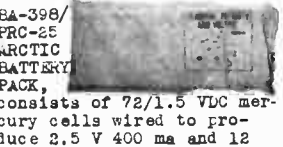
RM-52 Remote
Control used
for radio
and intercom
set. Has
transformer,
mic & phone jacks. Source
for Phone Patch project.
7 1/2x3 1/2x5, 5 lbs. Used, \$4.

**MALLORY INTRUSION
ALARM**, hang on door
knob and set sensi-
tivity. Sonalert
sounds when outside
door touched. Will
not work on steel
doors; 9 VDC require
#DRS-DC, \$2.95 \$5.




VIBRATORS
VIBRATORS, removed f/equip:
VB-8, -9, -12 or -13 \$3 ea.
3M6690-15 6 V f/PP-109, \$6.
3M6690-16 24 V f/PP-112 \$3.
M15035 24 V for AM-538, \$3.
6 VOLT 6-PIN vibrators for
PP-308, #VIB/PP308-6, \$4.
PP-68, #VIB/PP-68, \$4.
K55566, 12 V 4-pin, \$3.

BA-398/
PRC-2E
ARCTIC
BATTERY
PACK,
consists of 72/1.5 VDC mer-
cury cells wired to pro-
duce 2.5 V 400 ma and 12
to 15 VDC 1.4 A in cloth
bag. 1977 date codes; un-
used but LV output weak.
6 lbs sh. \$4.95 ea 2/#8.



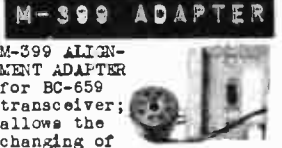
20-KEY KEYBOARD
5/8" sq business
keys 0 thru 9,
CLR, RST, CRED,
CASH, IMF, SEND,
RET, CODE, ACCT,
#; two buses, one for num-
bers, other instructions.
4x4.3, 2 lbs. #ECR4835, \$7.



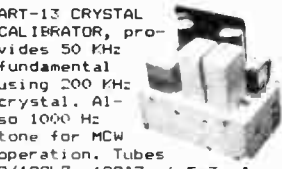
RUBBER
SHOCK
MOUNTING
4 lbs #4 \$4.45
6 " #6 .50
12 " #12 .65
16 " #16 .75
24 " #24 1.00
35 " #35 1.25

OTHER WEIGHTS AVAILABLE.

M-399 ADAPTER
M-399 ALIEN-
MENT ADAPTER
for BC-659;
transceiver;
allows the
changing of
crystals as well as the
alignment of the set with-
out the use of an external
meter. Mounts inside the
BC-659. 2 lbs. \$5.00
M-394 ADAPTER f/BC-620, \$5.



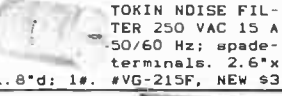
ART-13 CRYSTAL
CALIBRATOR, pro-
vides 50 KHz
fundamental
using 200 KHz
crystal. Al-
so 1000 Hz
tone for MCW
operation. Tubes
2/12SL7, 12SA7. 6x5x7, 4
lbs. #XCAL-ART13, \$12.



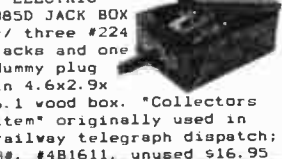
AUTOTUNE HEAD from ART-13,
Control B multi-turn 0-100
dial. #23518, unused, \$2.95

CDA-T CRYSTAL OSCILLATOR,
converts 4 xtal-controlled
channels to 200-500 KHz
range; less xtals, \$12.95

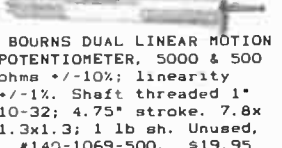
TOKIN NOISE FIL-
TER 250 VAC 15 A
50/60 Hz; spade-
terminals. 2.6"x
1.8"d: 1#. #VG-215F, NEW \$3



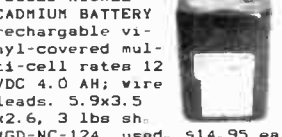
WESTERN
ELECTRIC
385D JACK BOX
w/ three #224
jacks and one
dummy plug
in 4.6x2.9x
6.1 wood box. "Collectors
item" originally used in
railway telegraph dispatch;
3#. #4B1611, unused \$16.95



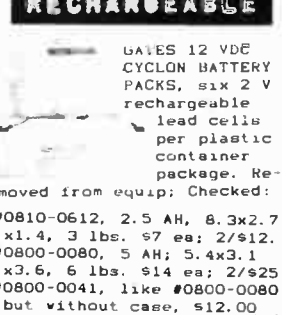
BOURNS DUAL LINEAR MOTION
POTENTIOMETER, 5000 & 500
ohms +/-10%; linearity
+/-1%. Shaft threaded 1"
10-32; 4.75" stroke. 7.8x
1.3x1.3; 1 lb sh. Unused,
#140-1069-500, \$19.95



GOULD NICKEL-
CADMIUM BATTERY
rechargeable vi-
nyl-covered mul-
ti-cell rates 12
VDC 4.0 AH; wire
leads. 5.9x3.5
x2.6, 3 lbs sh.
#GD-NC-124, used, \$14.95 ea



RECHARGEABLE
GATES 12 VDC
CYCLON BATTERY
PACKS, six 2 V
rechargeable
lead cells
per plastic
container
package. Re-
moved from equip; Checked:
#0810-0612, 2.5 AH, 8.3x2.7
x1.4, 3 lbs. \$7 ea; 2/#12.
#0800-0080, 5 AH; 5.4x3.1
x3.6, 6 lbs. \$14 ea; 2/#25
#0800-0041, like #0800-0080
but without case, \$12.00 .
2 V 5 AH CELLS only from a-
bove: 1#. #2V5A-CL, \$2.50



NICAD SUB-"C" CELLS, 2.5 V
800 ma per pair; each 1-1/8
x1" dia. #NC-SC-PR \$2.50/pr

BA-316/AM WATER-ACTIVATED
BATTERY, 7.5 V and 114 V;
5.5x3.3x3.8, 1#. \$1.00

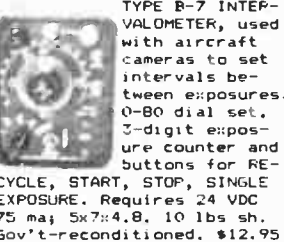
COCKPIT LAMP
AIRCRAFT COCKPIT
EXTENSION LAMP
Type B-7; black
plastic lamp on
5.5 ft spring
retractable cord
and uses stand-
ard 2-contact
auto bulb. Has
dimmer & ON-OFF
switch; 2 lbs. Unused \$6.95



DISCONNECT KIT
HAF-COF's QUICK
DISCONNECT KIT,
easy hook-up of
accessory power
leads; includes
rated pair two-
conductor con-
nectors & four
EM #55E crimp
connectors f/#19-#22 wire.
NEW \$1.25/kit; 5# \$6.00



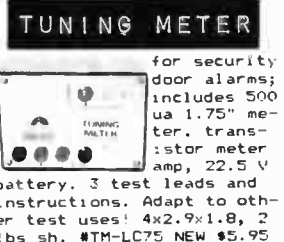
TYPE B-7 INTER-
VALOMETER, used
with aircraft
cameras to set
intervals be-
tween exposures.
0-80 dial set.
3-digit expo-
sure counter and
buttons for RE-
CYCLE, START, STOP, SINGLE
EXPOSURE. Requires 24 VDC
75 ma; 5x7x4.8, 10 lbs sh.
Gov't-reconditioned. \$12.95



FAIRCHILD
SHUTTER
as used
in 12" FL
aircraft
cameras;
70 mm dia
shutter
has keyed
shaft for
motor but can be tripped
manually. 132 mm dia lens
ring; o/a 9.3" dia, 9 lbs.
#SH-12EFL, \$14.95



TUNING METER
for security
door alarms;
includes 500
ua 1.75" me-
ter, trans-
istor meter
amp, 22.5 V
battery. 3 test leads and
instructions. Adapt to other
test uses! 4x2.9x1.8, 2
lbs sh. #TM-LC75 NEW \$5.95

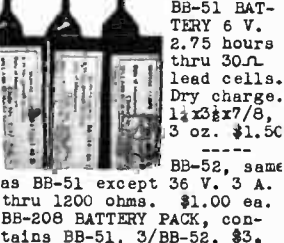


8 OHM SPEAKER
LS-445 4" SPEAKER
ruggedized 8 ohm
2 watt PH type;
300-7000 Hz re-
sponse. P/o LS-
166 loudspeaker;
3 lbs. Used \$7.95



BB-51 BATTERY 6 V.
2.75 hours
thru 30.0
lead cells.
Dry charge.
1 1/2x2 1/2x7/8,
3 oz. \$1.50

BB-52, same
as BB-51 except 36 V. 3 A
thru 1200 ohms. \$1.00 ea.
BB-208 BATTERY PACK, con-
tains BB-51, 3/BB-52, \$3.



MINIMUM ORDER \$5.00

PUSH-TO-TEST

PUSH TO TEST INDICATORS WITH MARKINGS ALSO HAVE CLEAR & AMBER LENSES

KORRY MFG., ALL UNUSED.

KORRY 260 Push-To-Test Indicators, Double Lampholder with Miniature Bayonet Bases. 1 1/2" x 1/2" x 2 1/2" dia. NEW. Choose from these lens inscriptions:

POWER SUPPLIES, 28 VDC. \$1 EA, 3/\$2

KORRY 260 indicators with rocket launch-related inscriptions: UNLOCK, TESTING COMPONENTS TEST POWER ON, HEATER 1-2-3, CENTER, IN OVERFLOW, IGNITER LINKS IN UPPER LEVEL, 100% LIQ OXY, LIQ OXYGEN FINE, FULL TANK PRESSURIZED, COOLANT FILL, 40 C THERMO-STAT, NOSE CONE BATTERIES LOI THROT VALVE HEATER.

Price: 75¢ ea or 4 for \$2.

LAMP HOLDERS FOR 327 LAMPS 1" HOLE MTG. FLAT TOP LENSE 3/8" DEEP, WHITE LENS NUMBERED 1 TO 9, YELLOW ("MAX"), (#8 sold out) SPECIFY. #6210-617-0934, 39¢ EA. #327 LAMP FOR ABOVE, 39¢ TINY 28 V NEON INDICATORS, 1-3/8" long x 3/8" dia; NEW #3495 clear lens w/"B" 3/61 #3496 " " w/"7" 3/61

WESTINGHOUSE ON-COURSE BEACON (pic 2), 500 W 125 V T20 bulb. 9"Hx2.5" dia. #W-OCB-2, \$6.00 EDISWAN PROJECTION (2) 6-8 A 200 W; 5.3x1.4" dia. \$3.00 T-8 PROJECTION BULBS (like pic 2), 200 W 3.4"Hx1" dia: GE #PH/200TASC, \$2. RADIANT mfg #R200/TCCB, \$2.00 GE PHOTO MICROGRAPHIC (pic 3) 11 1/2" 30 amp 2-prong base; 6.3"H x 2.6" dia. #GE-PH-MI, \$5.00

COLLECTOR BULBS

Unusual old aircraft and projection lamp bulbs; nice glass and "simple but elegant" filaments like old radio tubes. With mogul base; may or may not be work: WESTINGHOUSE AVIATION 500 W 230 V (pic 1), 9.8"Hx4.8" d; #W5C-230, \$9. WESTINGHOUSE ON-COURSE BEACON (pic 2), 500 W 125 V T20 bulb. 9"Hx2.5" dia. #W-OCB-2, \$6.00 EDISWAN PROJECTION (2) 6-8 A 200 W; 5.3x1.4" dia. \$3.00 T-8 PROJECTION BULBS (like pic 2), 200 W 3.4"Hx1" dia: GE #PH/200TASC, \$2. RADIANT mfg #R200/TCCB, \$2.00 GE PHOTO MICROGRAPHIC (pic 3) 11 1/2" 30 amp 2-prong base; 6.3"H x 2.6" dia. #GE-PH-MI, \$5.00

MINIATURE LAMPS

STK #	TYPE	BASE	BULB	EA	Per 10
#14	flashlight	3.47 cand sc	G-3 1/2	30	\$2.00
#382	14	.08 min flared	T-1 1/2	.35	2.50
#327	grain of wheat	28 v 0.04 A	T-1 1/2	.39	3.00
#511	2	.25 min sc	G-6	.20	1.00
1004	auto type	12 .94 DC bay	B-6	.25	1.50
NE-48/991	neon	115 .25 DC bay	T-4 1/2	1.50	12.00
NE-51	neon	115 .25 min bay	T-3 1/2	.40	3.00
#24-68M	24	.68 DC bay	B-6	.25	1.50

SEALED BEAM

MARINE TYPE 600 WATT 28 VOLT GE Q600 PAR 56/1 SCREW TERMINALS PRICE: \$6.00 EA. WRITE FOR 100 LOT PRICE.

GRIMES LAMP ASSY. #4725-24 WITH 327 GRAIN/WHEAT BULB. 6220-333-5827 59¢ EA. 2 FOR \$1

LINE FILTERS

RF LINE FILTERS unused.

SIMANS #384104K, 3 amp 115/230 VAC 60 Hz; plug & lead connect. 1 1/2" x 2 1/2" x 2, 1 lb. \$1.

#410-3, 2x5 amps 125/250 VAC 50-400 Hz; four solder terminals. 2x2 1/2" x 1 1/2", 1 lb. \$1.25 ea.

#NF-10869-208, 2 x 10 amp 250 VAC 50/60 Hz; 2.3x3.9x2, 1 lb. "Spike" protector! \$2.95

Cornell-Dubilier #NF10342-2, 190 amps 50 VDC; lug terminals. 4.8x3.5x3, 4 lbs sh; \$8.95

#537-6615, 55 amps 30 VDC; two stud terminals. 2 1/2" x 5/2", 3 lbs sh wt. \$2.95



SUB-MINIATURE NEON PILOT LIGHT ASSEMBLY. FLUTED 5/16" DIA. CLEAR JEWEL. BASE IS FEMALE PART FOR A THREE PRONG PLUG WITH 1/16" DIA. HOLES IN ISOSCELES TRIANGLE PATTERN. MOUNTS IN 3/8" HOLE. 0" TO 3/8" SURFACE CLEARANCE. 1 3/8" LONG. INCLUDES BULB. USED. 110V. PILO07 \$.25 5/\$1.00

SUB-MINI DIMMER LIGHT with green jewel; T1-3/4 single contact bulb required. 1-3/8" lg; mount in 7/16" dia hole. #5221/0673, \$1.65

PILOT LIGHT for single contact mini-bayonet bulb. Clear smooth stovepipe 5/8" dia jewel; o/a 2-1/8" long. Less bulb. #PILO08, \$1.50

PILOT LIGHT similar to #PILO08 except 1/2" dia smooth red jewel (not "stovepipe") #B6-1179, \$1.50

LARGE DIMMER PILOT LIGHT for double contact candelabra bayonet bulb; 1" dia white smooth white jewel. O/a 3" long; fits in 1" dia hole. #504-1632, new, \$1.75

PILOT LIGHT for single contact candelabra bayonet bulb; 1" dia red-faceted jewel, o/a 2-3/4" lg; for 1" dia hole. #PILO03, \$1.59

PHELPS-DODGE MAG-NET WIRE, 31 AWG on 9 to 10 lbs spools; approx 20000 ft/spool. #PD-MW-31, \$2.40 per lb X spool wt. ESSEX 37 AWG MAGNET WIRE, 2 lbs/spool; approx 5K ft. #61211F0, NEW, \$10.95 \$8.50

LIGHT INDICATOR FUSEHOLDERS f/3AG fuses; 1.6"D behind panel. O/a 2.9"L; used: #FU-HXK, 22-33 V amber, \$2.

INDUCTORS

FERRITE POT CORE INDUCTORS, PC mount; 7/8x 1/2" dia. NEW. 123-177 mH, #NV243, \$1.50 600 mH, #404-3-2, \$1.50

TELEPHONE PICK UP COIL used in modern data coupler; no specs. 5/8x1 1/2" dia #403-4 \$1

COMMAND XMITTER ANTENNA COIL FOR 5.3-9.1 MHz range. 24 turns wire around 2" dia X 3" ceramic form; with mount brackets but no contacts. #6035MB \$6.

CERAMIC COIL FORM, f/ART-13 xmitter; grooved f/43 turns #14 wire. Vertical mt; 5"Lx 2.5x2. #L113/ART13, \$2.00

***** BC-348Q RECEIVER IF COILS 2nd IF 9A1953 #148 3.00

100 W LO-PASS

100 WATT LOW-PASS FILTER for commercial transceivers; sharp cut-off approx 40 MHz; 5.5x2.5" aluminum box with two SO-239. #LPS-40M, \$8.95

COLLINS FILTER

COLLINS #F250 A85 (526 9049 009) for RT 311/ARC 38. 3.5x1x0.9; NEW, \$14.95 #F300-25 (526-9311-000); 3.5x0.8" dia. Used, \$7.50 COLLINS #F455-FA05 (526-9494); 2.5x0.5x0.5. NEW \$18



COLLINS CHANNEL MODEM CIRCUIT BOARDS each with two 6"x1" dia mechanical filters plus other parts such as transformers, chokes, pots, etc. 9.5x6, 2#. Used: #522-5243 w/two F100-28 (526-9463) filters, \$7.50

HORN

FARADAY 48 VDC 100 ma HORN, made for Bell Telephone; makes loud, penetrating sound w/screw-driver volume adjust. Steel construction; recess mount. Front size 4:4x1.25; 1.25" panel depth. 7 lbs sh. #FS-12037L2. NEW, \$5.95

SPRAGUE JN17-4950B2 4X30 AMP 277/480 VAC. 4:4x4.75 plus lug length; 5 lbs sh. #42-85, \$10.00

CORCOM #F2609 2x20 amp 115/230 VAC 50-60 Hz; 5"Lx1.5"Hx4"W, 2 lbs. NEW, \$5.95

FLUTED KNOBS



TCS SPIN KNOB & CRANK, 1-5/8" dia fluted knob w/ 7/8" crank extension; 1/2" high handle. \$1.50

LUXITROL KNOB, 2-3/8" dia. w/pointer; fits 3/8" dia. shaft, \$1.50

ARMY SPIN KNOB, retractable crank f/beveled top-screw shaft. 1.5" dia; for RT-70 or GRC-106. #2313, NEW, \$5.

ALCO KNOBS



ALCO KNOBS, high quality, modern fluted knobs with brushed aluminum inset; fit 1/4" dia shaft. NEW:

#AL-KN20, 2" dia x 0.8"H \$1.50 #AL-KN8P, 0.8" dia x 0.5" H; pointer, f/slot shaft \$1.45 #AL-KN6, 0.6" dia x 0.4"H for 3/16" shaft, 4/51.00

ALCO KNOB KIT #2, includes 2 ea AL-KN20 & KN6; 4 ea AL-KN8P. #2-AL-KNT, \$3.25

AUDIO KNOB SET five aluminum .7" dia x 0.8"H ribbed knobs f/ 1/4" slot shaft #RT-7100, NEW, \$2.50/set

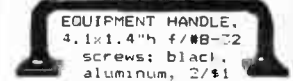
SPIN KNOBS

2" DIA METAL FLUTED SPIN KNOB FOR 5/32" SHAFT #NB009 \$1.79 2 1/2" DIA. SPIN KNOB. METAL. TAKES 3/16" SHAFT. #8089 NEW \$2.00

MAKE ANY FLAT KNOB A SPIN 1 1/2" ADAPTER WITH 3 HOLES, TO FASTEN TO YOUR KNOB, WITH SPIN GRIPPER #225816-3 \$1.00

1-5/8" DIA. METAL SPIN KNOB F/ 3/8" SHAFT. URC#KN02, \$1.50 1 1/2" DIA. FLUTED KNOB W/ 1/2" SKIRT; BRASS INSERT FOR 3/8" SHAFT. URC#KN04, \$1.50 1-5/8" DIA. FLUTED KNOB W/ 2" SKIRT; BRASS INSERT FOR 3/8" SHAFT. URC#KN03, \$1.75

Brown 1" dia x 1 1/2" high knob for 1/2" shaft. #KNB025, 2/25¢



EQUIPMENT HANDLE. 4.1x1.4"H f/#8-32 screws; black aluminum, 2/81

MATCHED KNOBS, rounded edge w/4 sets of 4 hash ridges. Looks like old Hammarlund. #E5168 2 1/2" \$3 #E5570 1 1/2" \$2

BAR TYPE KNOBS

BAR TYPE BAKELITE KNOB FOR 1/2" SHAFT 3/4" x 5/8" SET SCREW TYPE #KNRNO12 \$1.25

GRC KNOBS f/Army radio sets fit beveled top screw shaft OD green; 7/8" dia skirts: #KN-GRC-10, 1"L grip, \$1.50 #KN-GRC-14, 1.4" grip \$1.75

RECTANGULAR BAR TYPE BAKELITE KNOB 1 1/2" x 1 1/2" x 5/8" WITH BRASS INSERT FOR 1/2" SHAFT. SET SCREW TYPE. #KNBN014 \$1.25

Pointer knob with brass insert for 1/2" shaft; 1 1/2" x 1 1/2" x 5/8" #KNBNQ26 25¢ ea

Bar type bakelite knob with pointer. For 1/8" shaft; vertical set screw. 1 1/2" x 5/8" x 5/8". #KNBN016 4/¢1.00

Rounded bar style knob, 1-1/8" long x 1/2" across x 1 1/16" H. Brass insert f/ 1/2" dia sh. #KNART13 3/¢1.

BAR KNOB w/ 1.5" dia metal skirt; "arrow" on skirt 90 to bar. Brass insert for 3/8" shaft. #BKN-TCS, \$1.50

SPIN KNOB & CRANK, fluted 1-3/4" d X 1"H black plastic w/0.5"H metal crank; marked "Kc" or "Hc". #KN-FLR, \$3.

DARK BROWN fluted plastic 1" dia X 0.5"H f/ 1930's & 40's radios. #KN-DB1, 3/¢1. 1" dia plastic knob with 1 1/2" dia skirt calibrated alphabetically A-Z. Aluminum skirt; f/ 1/2" shaft. #5312 NEW \$1.50 ea

EQUIPMENT HANDLES brushed aluminum 5/8"W flat top. 2"Hx5.3"L; B-2 tapped. Amatom mfg.; #WALH-5-2, NEW, \$3 per pair.

FLUTED 2-3/8" dia knob with 3" dia skirt; brass insert for 3/8" dia shaft; black. #KNB-863233, \$2.00

FLUTED 1-1/2" dia knob with 2" dia skirt; brass insert for 1/4" dia shaft; black. #KNB-862152, \$1.00

2" TUNING KNOB black w/chrome-finish trim. Metal insert f/ 1/2" d shaft. #ROB-B/C \$1.25

EQUIPMENT GLIDES

quality 2"W x 18"L chassis slides have 21" travel; load rating approx 100 lbs. 6 lbs sh; #GL-1821, used, \$10 \$7.50 per pair.

ADJUSTABLE ALUMINUM SHOCK-MOUNT

WITH FOUR 1 1/2-3 LBS. SHOCKMOUNTS. PERFECT FOR SMALL POWER SUPPLY, AMPLIFIER OR OTHER GEAR. FITS 5-1/8"W X 6 1/2" TO 7 1/2" DEEP UNIT; 2" HIGH. SH WT: 3 LBS. #MT-569A/ARA, UNUSED, \$2.50

MICA CAPACITORS



G SERIES TRANS MITTING CAPACITORS, used-good or unused as available.

G1-type, 2.3"H x 2.8" dia; 3 lbs. \$7.50 ea
KV HFD KV HFD
1.0 0.04 6.0 0.0001
1.5 0.08 6.0 0.0002
3.0 0.02 6.0 0.00024

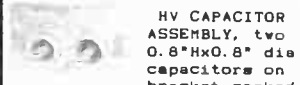
G1, 6 KV 0.0039 mfd, \$12.95

G2, 3.5"Hx3" di, \$12.50 \$12
2.0 0.03 10 0.0002
2.0 0.045 20 0.00005

G3, 5"Hx4" dia, \$22.50 \$18.
2.5 0.15 20 0.00015

G4, 5"Hx5.8" di, \$39.50 \$30
4.0 0.1 6.0 0.0373

PLASTIC CAPACITOR, 0.02 mf 120,000 WVDC; 17.5"Hx6.3"x 4.5", 18 lbs sh. \$150-\$120.



HV CAPACITOR ASSEMBLY, two 0.8"Hx0.8" dia capacitors on bracket marked "15 KV WDC 500 PF"; great for your high voltage project! O/a 2x3x2.3; NEW. #CAP500-15KV \$2.25 ea, 3/5

XMITTER COILS



used in 400 W transmitters; 4.5" dia. T-4 type has nine banana jacks; C-type five jacks. Used/unused as available; 2 lbs: #T4-1540, 2.0-3.5 MHz, \$5. 1548, 5.2-7.2 " , \$5. 1549, 7.2-9.2 " , \$5. -389A, 3.5-5.7 " , \$5. -447B, 8.0-11 " , \$6.

TRAVELING WAVE TUBE



ITT D-2013 CW TWT, 5 watts 33 db gain, 8.0-9.6 Ghz; 6.3 v. heater. 12x1/2" dia. 3 lbs. sh. Unused, \$45.00

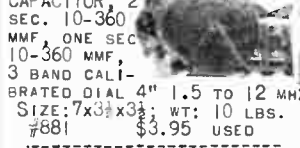
RCA 4012/41157 TWT, 2.0-4.0 Ghz, 36 db min., 20 MW min. 15 1/2"x 3 3/4"x 1 1/2". 4 lbs. sh. Unused, \$40.00

MICROWAVE



MICROWAVE DEVICES, used: SPERRY #D4402-2 ISOLATOR 4.4-5.0 GHz 1 db insertion loss; 15 db min isolation. N male & female conn. \$14. MICROLAP #HR-50N DC IN-BLOCK, 2-8.5 GHz, \$7.95 MICROLAP #HZ-10T SIGNAL SAMPLER, 50 MHz-12 GHz; reactive T-adaptor TNC (m) to TNC (f) to BNC (f), \$9. MICROLAP #TA-5MT TNC (m) 50 ohm termination, \$6.00 MICROLAP #HA-A64 HIGH PASS FILTER, 2 GHz, unused, \$12.

TCS VARIABLE CAPACITOR, 2 SEC. 10-360 MMF, ONE SEC. 10-360 MMF, 3 BAND CALIBRATED DIAL 4" 1.5 TO 12 MHZ. SIZE: 7x3x3 1/2; WT: 10 LBS. #681 \$3.95 USED



TUNING CAPACITOR F/RT-176/PRC-10, 38 TO 54.9 MHZ; 5-GANG, 5-33 PF/GANG. WITH 1 1/2" AND 5/8" DIA. GEARS; 3/16" DIA SHFT. 1 1/2"x1-5/8"x4, USED, \$4.95 RBF-3-14A164, 10-40mmf gap 0.04". 2.1v. 3.2x2.2x2 \$2.95

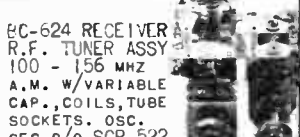


HAMMARLUND VAR. CAPACITOR 20-90 pf 0.05" spacing. Silver-plated, 0.04" thick plates. Right angle worm and split gear drive. Shaft 3/8" x 1" dia. 4 1/2"x3 1/2"x2 1/2" #446-6571 \$9.95



VARIABLE CAPACITORS, removed f/T-195/GRC transmitter. #C-222/T-195, 25-485 pf one sec. ; 23-437 pf the other. 0.03" air gap. With gears 1 1/2" dia. and 5/8" d. 4 1/2"x3 1/2" overall. \$4.95 #C-221/T-195, 13.5-77.8 pf one section; 17-99.6 pf the other. 0.094" air gap. 3/4"x 1/2" dia shaft. 5 1/2"x1 1/2"x1 1/2" overall, 2 lbs sh. \$3.95

3-GANG RECEIVER-TYPE, 20 to 525 pf/section; shaft 3/4"x 1/4" dia, O/a 4x1.5x1.8. #ASP-7719, NEW, \$6.95 3-GANG, 15-160 pf/section, 0.02 air gap; 1/2" dia shaft 1 1/2"x1 1/2"x1 1/2". #3TH160, \$3.95



BC-624 RECEIVER R.F. TUNER ASSY 100 - 156 MHZ A.M. w/VARIABLE CAP., COILS, TUBE SOCKETS, OSC. SEC. P/O SCR-522 5x5x5; WT: 7LBS 22K11150, unused, \$5.95



4-GANG VARIABLE CAPACITOR, 20 to 535 pf per section, 0.03" spacing; shaft 0.3"x0.3" dia. O/a 6.9x1.9x3.2, 2 lbs sh. #4G-535, used, \$9.95

TCS Rx NOISE LIMITER KIT w/ 12H6, ceramic switch, resistor & capacitor. NEW, \$3.00



PLUG-IN TUNING COILS for BC-230 transmitter; 2 lbs Used, \$8 each #C-382, 3200 to 4000 KC #C-433, 4000 to 5000 KC #C-384, 5000 to 6200 KC

TUNING COILS



PLUG-IN TUNING COIL SETS for KU-18 & -19 receivers; 3 lbs sh. Unused: RANGE D, 850-1330 KHz, \$10. RANGE E, 1330-2040 KHz, \$9. RANGE H, 4000-6000 KHz, \$8. RANGE K, 9050-13575 KHz \$7.

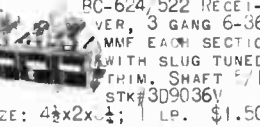
TRANS. CAPS.

DUAL 4-30 MMF 1000 VDC 1 1/2"x4 1/2" SHAFT 2 1/2" P/O BC-640 CARDWELL 430/1M REM \$2.95

DUAL 5-25 MMF 2000 VDC 1 1/2"x4 1/2" SHAFT 2 1/2" P/O BC-640 CARDWELL 525/2M REM \$3.95

DUAL 4-20 MMF 2000 VDC 1 1/2"x3 SHAFT 1 1/2" P/O BC-640 CARDWELL 420/2M REM \$3.95

Single 12-65 pf, 0.06" gap; 3/8"x 1/2" dia shaft, o/a 3 1/2"x2 1/2". #CARD-427B NEW \$5.

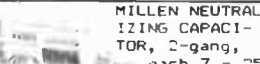


RC-624, 522 RECEIVER, 3 GANG 6-36 MMF EACH SECTION WITH SLUG TUNED TRIM. SHAFT 7/16 STK#3D9036V SIZE: 4 1/2"x2 1/2"; 1 LP. \$1.50

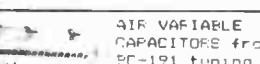
Single 7-26.3 pf, 0.06" air gap; shaft 1 1/2" dia, o/a 2x2 1/2". #C227/T235, \$2.95

JOHNSON #155-2-2, 8-54 pf 2 KV; 1.3x1 1/4" dia shaft, o/a 3.6x2x2. NEW, \$5.95

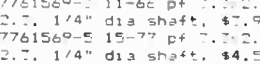
SINGLE GANG 20-400 pf 0.02" gap; ceramic insulated. 3/4x1 1/4" d-shaft; o/a 4x1.6x1.8. #C1003/T195, used \$6.



MILEN NEUTRALIZING CAPACITOR, 2-gang, each 7 - 25 pf; 0.0625" spacing. 1/2"x1 1/4" dia shaft; o/a 4.3x2x1.5. #21925, NEW, \$4.50

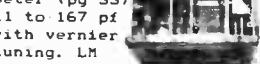


AIR VARIABLE CAPACITORS from BC-191 tuning units; 0.06" air gap; #T7650447-1 10-115 pf; 1.9"x1.8, 1 1/4" dia shaft, \$5.95 #F7761569-7 11-66 pf; 1.9"x2.8, 1 1/4" dia shaft, \$7.95 #F7761569-5 15-77 pf; 1.9"x2.8, 1 1/4" dia shaft, \$4.50



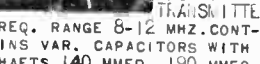
#T7660443-B, 8-26 pf, 5/8"x 1/4" dia shaft; O/a 1.8x2.8x3, 2 lbs. Used, \$2.95

PRECISION CAPACITOR ASSEMBLY from LM frequency meter (pg 33) 11 to 167 pf with vernier tuning. LM unit shipped less tubes, xtal, lamps & cal book; 12 lbs sh. #LM-PVC, used, \$12.00



10-55 OSCILLATING COIL, 10-55 MHz, 1/2" dia shaft, 1 1/2"x1 1/2"x1 1/2" BC-610 TRANS. LITTE

FREQ. RANGE 8-12 MHZ. CONTAINS VAR. CAPACITORS WITH SHAFTS 140 MMFD, 190 MMFD. 2/CERAMIC CAP. 1/MICA CAP. 4/R.F. COILS, 2/RES. 1/CPDT switch, dial, and two knots Rear plugs are broken. 2x8x4 1/2", 4 lbs sh. Used, \$3.95

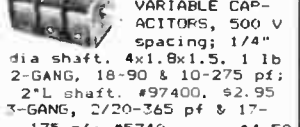


MAR TRANSMITTER RECEIVER uses single xtal channel in 2.7 to 4.5 MHz range, 200 MW output. In waterproof black plastic case; mic and headset cut-off and not available. With tubes 3/35A, 2/1T4, 1R5, 5 155. Requires 67.5 VDC 1 ma 135 VDC 10 ma. 1.5 V 30 ma. 8.8x2-AX7.8; 8 lbs sh. Used-AS-IS with boot, \$6.95



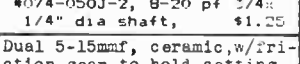
ROLLER INDUCTOR ASSEMBLY with 115 VAC 400 Hz motor drive. 3.4" lg 1.75" dia coil; 28 turns #18 wire approx 14 uH with center tap. Designed to resonate antenna to a transmitter's frequency. 4.5: 2.8x3.8, 5 lbs; used. #T301/CU-991, \$14.95 \$12.

RECEIVER STYLE VARIABLE CAPACITORS, 500 V spacing; 1/4" dia shaft. 4x1.8x1.5. 1 lb 2-GANG, 18-90 & 10-275 pf; 2"L shaft. #97400, \$2.95 3-GANG, 2/20-365 pf & 17-175 pf; #5740, \$4.50 1-GANG, 15-325 pf; 1.4x1.4x1.3. #512-001, \$2.50 2-GANG, 25-90 & 40-210 pf; 1.3x1.3x1.5. #900229, \$2. #66972, 2-gang, 9-50 pf @ 10-100 pf; 1.1x1.1/4, \$1.25 #074-050J-2, 8-20 pf 7/4; 1/4" dia shaft, \$1.25



Dual 5-15mmf, ceramic, w/friction gear to hold setting. 0.04" spacing. 2 1/2"x1 1/2"x7/8 in 1/2 in dia shaft. coil & gear removable. #358-3164 \$1.95

#KS21146L1, 3-GANG, 7-60 pf/SEC. 0.03" GAP. O/A 5 1/2"x1 1/2", \$3.95



GLASS PISTON CAPACITOR #VC-306, 30 pf, 2x1 1/4", \$1. #3D9025V-9.0 TRIMMER, 3.5 to 25 pf; 1.5"L x 0.25" dia shaft; o/a 2.3x1x1.3, \$1.25

SINGLE 10-100 pf, 0.02" gap; 1/2" dia shaft, o/a 2 1/2"x1 1/2". #3D9100V \$1.95

#3D9025V-9.0 TRIMMER, 3.5 to 25 pf; 1.5"L x 0.25" dia shaft; o/a 2.3x1x1.3, \$1.25

SINGLE 10-100 pf, 0.02" gap; 1/2" dia shaft, o/a 2 1/2"x1 1/2". #3D9100V \$1.95

AIR PADDER CAP

ALL PADDER CAPS. REQUIRE SCREW-DRIVER ADJUST.

ES614178 4-18 pf \$6.00

657-J3 8-55 pf 79¢

SBL72265-2 8-32 pf 59¢ 3D9011V-7 5-14 pf silver-plated Hammarlund, 89¢

#C2/R174, 5-42 pf trimmer; 1 1/4" d sh, 1.5x1.1x1.5. \$1 #C050/R174, 2-11 pf screw-driver adj; 2 1/2"x1 1/2", \$3.50

#3D9006V-7 DIFFERENTIAL, 3-6 PF, .045" GAP; 1 1/2"x1 1/2", 1 1/2"x1 1/2" D. SHAFT. NEW, \$1.95

JOHNSON #150-102 TRIMMER, 1.5-5.1 pf; 3/16" shft \$1.75

SINGLE GANG 20-245 pf 0.035" gap; gold-plated rotor/stator. 1x1 1/4" dia shaft; o/a 3x1.8x2.5. #C107/778, used \$6.95

COMMAND RECEIVER VARIABLE CAPACITORS, 3-GANG, TRIMMERS & GEARS. 2 1/2"x3x4 1/2"; 3 LB.

#6558, 62 PF, 6-9 MHZ, \$4.

JOHNSON "M" SERIES, 7/16" dia slotted shaft; o/a 1 1/2"x3/4"x5/8. Used: #160-130/30mB, 1 to 32 pf, 28 plates, \$1.25

ROLLER INDUCTOR ASSEMBLY with 115 VAC 400 Hz motor drive. 3.4" lg 1.75" dia coil; 28 turns #18 wire approx 14 uH with center tap. Designed to resonate antenna to a transmitter's frequency. 4.5: 2.8x3.8, 5 lbs; used. #T301/CU-991, \$14.95 \$12.

ROLLER INDUCTOR ASSEMBLY with 115 VAC 400 Hz motor drive. 3.4" lg 1.75" dia coil; 28 turns #18 wire approx 14 uH with center tap. Designed to resonate antenna to a transmitter's frequency. 4.5: 2.8x3.8, 5 lbs; used. #T301/CU-991, \$14.95 \$12.

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1820-2520 MMZ



MIXER, two separate cavities having 21 Mhz band width and 3 db insert loss @ 1915 Mhz. IN21B crystal mixer 120 Mhz output from 1820-2520 Mhz injection. "C" and "BNC" connect. 5 1/2"x3 1/2"x3 1/2" 4 lb #PRE/TRC29 \$30.

#3CPR/TRC29 TRIPLE COUPLER which fed P-A. 36 db and 65 db RF outputs; DC output for P-A meter. 4 "C" connections and one IN21B connector. 5 1/2"x3 1/2"x3 1/2" \$7.50

N-K FM TUNERS



HARMON-KARDEN FM TUNERS with AM capacitors-no AM component. 75 ant, 300 IF jacks. 1/4" dia shaft; 2 lbs sh. #00331591A, two MOSFET RF, MOSFET mixer, 2-transistor oscillator; 3:1 gear. Requires 13 VDC; 4.8x2x4.8. NEW w/info. \$9.95 \$7.95

#00234229 (Alps), similar features except IC oscillator & 3-gang capacitors. 5.5x2.5x3.3. NEW \$7.95 \$7.

#FB13U13 (Alps), one FET two transistor oscillator; req -12 V; 3.5x2.3x2.8. NEW \$4.95 \$3.50

OLDER-STYLE TV TUNERS, AM (550-1600 KHz) or FM (88-108 MHz) as listed: AM-FM TUNER w/ 12D78 tube and dial; 3x2x3, 2 lbs. #2H02, \$5.

HEATH FM TUNER with 3-gang variable capacitor approx 40 pf/sec. 2.4x1.5x2.5, 1 lb sh. #110-30, NEW \$5.00

LC-902 ANTENNA INPUT TANK for TN-2A/APR-1 tuner for 76-300 MHz w/variable capacitor, coil, & 955 tube socket. 4.5x3, 4.8. \$5. LC 701 300-1000 MHz OSC, \$5

HEATH FM TUNER with 3-gang variable capacitor approx 40 pf/sec. 2.4x1.5x2.5, 1 lb sh. #110-30, NEW \$5.00

HEATH FM TUNER with 3-gang variable capacitor approx 40 pf/sec. 2.4x1.5x2.5, 1 lb sh. #110-30, NEW \$5.00

HEATH FM TUNER with 3-gang variable capacitor approx 40 pf/sec. 2.4x1.5x2.5, 1 lb sh. #110-30, NEW \$5.00

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HEATH FM TUNER with 3-gang variable capacitor approx 40 pf/sec. 2.4x1.5x2.5, 1 lb sh. #110-30, NEW \$5.00

OUTPUT NETWORK



OUTPUT NETWORK part of ART-17 transmitter; designed for 200 pf capacitor & L112 variometer to provide P1 and L matching for 813 tube. 57 uH coil tapped 2-5-15-24-34 uH. coil tap switch, and 7-CentralA 850 4V caps 25 pf, 3/50 pf, 3/67 pf, 5.5; 8; 7.5, 7 lbs sh. #ONET/ART-17, used. \$12.00

INSULATORS



STAND-OFF, CROWS FOOT, 7" Hx1/2" D. CAST BASE, 2 1/2" CTRS. TOP CAST W/3/16"-20 SCREW
SIMILAR, ABOVE 3" 3.00

FEED-THRU INSULATOR (FIS2) 1/2" HOLE 7/8" DIA. W/NECK 3" LONG 30¢
6" LONG 50¢ 8" LONG 60¢
STOCK NO. 1014-(LENGTH)
SAME AS ABOVE OVAL TWIN-

PORCELAIN STAND-OFF INSULATORS, SCREW THREADED.
#P-4H-.75D, 8-24 THRD, \$.50
#P-6.75H-ID, 10-24 THRD, .85

THRU-PANEL BUSHINGS v/2.8" 8-32 bolts. Used:
#4203, two D.5"Hx0.9" dia ceramics f/0.3" panel s.75
#4204, two 0.8"Hx1.1" dia 1 ceramics f/0.5" panel, s1.

14" LONG SPREADER INSULATOR brown porcelain 14x1.3x1: 2 lbs sh. #3G1100-192, \$2.75

SPREADER, brown porcelain 8.5"Lx1.8"Hx1"D reinforced 0.5" dia hole on ends; 3#.
#SPI-85181, \$1.95; 2#ST.

GLASS-BONDED MICALEX STRIPS 10"Lx1"Wx5/8"Th. Five holes .2" dia. #3G110-160, \$1.50

IN-88 SPREADER INSULATOR, 2.5"L x0.5" dia; 1/16" holes 4/51

STRAIN/STAND-OFF, isolate #10 end-tie bolts (1.4" & 0.6" L); 3"Lx2" dia white porcelain. #SP/ST-32, \$1.00

STRAIN INSULATOR, 3x2 1/2" dia; 1/2" to 3/4" dia taper feed-thru core. 1 lb sh, #STR-84 \$0.95

INSULATOR STANDOFF FEED-THRU, THREADED ONE END; 3/8" HOLE. ACE-3"Hx1 1/2" \$1.

STRAIN INSULATOR, 4 1/2"x2 1/2" dia; 1" dia core feed-thru 1 lb. #STR-1610, \$1.95 ea

STRAIN INSULATORS Brown porcelain 2.1"H x 2.3" dia with 0.7" dia center hole; 1 lb.
#STI-212TD, \$.65 ea; 4/\$2.

KNIFE SWITCHES, unused:
#KNSW-04, DPST on 1.8x1.5 x0.4" ceramic base, \$1.75
#KNSW-02, SPDT on 1.3x0.5 x0.1" phenolic base, \$.65

5.3" DIA PORCELAIN BOWL INSULATOR with hardware; silver-plated terminal. 3 lbs sh. Used.
#INS-SRA, s5.

STAND-OFF'S

STAND-OFF INSULATORS, CROWS FEET TYPE. BRASS AND PLATED BRASS BASES AND TERMINALS.



#B-H3-D1.25-ST3, BROWN CERAMIC; M=2.25". TERM. CAP SIZE: 7/8x1-5/8" DIA. SMPG. WT: 2 LBS. \$2.75
#B-H4-D1.25-ST2, WHITE; M=2.25". TERM. CAP: 1x1-5/8" DIA. 3 LBS. \$3.25
#XW-H5-D1-ST, WHITE; M=2.25" TERM. CAP: 2x1" DIA. \$3.00
#W-H5-D1.25-ST, WHITE; M=2.625". TERM. CAP: 3/8x1 1/2" DIA. 3 LBS. \$3.75
#B-H5-D1.25-CT, WHITE; M=2.25". TERM. CAP: 1x1-5/8" DIA. 3 LBS. \$4.00

#W-H6-D1.25-NTTH, white; M=2.6". No terminal cap but threaded; 2 lbs sh. \$4.25
#B-H7-D1.25-ST, brown, M=2.6". Term cap 1x1-3/4" dia; 3 lbs sh. \$4.75

QUANTITY DISCOUNTS on stand-offs: 10-25 ea (1-type) 20% OFF; 25% (26-99), 30% (100+)

FLEXIBLE COUPLING

CERAMIC FLEX COUPLING
#COUN012, 1.3"x1.3" X-style for 1/4" shaft, \$ 75 ea
#COUN008, 2-5/8" dia x 2" for 3/8" dia shaft, s.85
#COUN010, 3.5" dia x 1.6" for 3/8" dia shaft, \$1.25

SHAFT EXTENDERS or coupler f/0.25" dia shafts. Slides over shaft with extender shaft on other end. Used:
#SH-EXT2, extends 2", s.75
#SH-EXT1, " 1.3" s.50

AC LINE CORDS

3-COND. GROUNDED equipment cord, 8' #18 wire. Molded plug; black. #FW-3CG \$1.85
3-COND #14 wire. 6 ft gray w/molded plug. #W14-65, \$2.
3-COND w/business machine plug, fits most Hewlett-Packard equip. Without AC plug; 5ft. #HP-3CG \$1.50
3-BLADE cord w/AC plug for never H-P & business equip; 6' black. #HP-NS, NEW \$2.50

More DOLLAR-DAZE:

TOGGLE SWITCHES, SPST cut-offs, 5/\$1.00
SLIDE SWITCHES, 2PDT and SPDT, 5/\$1.00

SPST ROCKER DIP SWITCHES for PC board use. Can be soldered or fit in socket. Grayhill mfg. NEW #763504. 4 sw, \$.75; 5/\$3.

SELECTOR SWITCH 15 BUTTN, MAKE ONE BREAK ONE, RELAY RELEASES ALL BUTTONS WHEN ACTIVATED, 115 VAC OR 24VDC SIZE: 12x7 1/2x2; WT: 7 LBS. URC#1524115 NEW \$3.95

MICRO SWITCHES



SPST MICROSWITCHES 1.9" x 0.6"x1.3", s.35 ea unless otherwise noted. Normally open=n.o. Norm closed=s.c.
#YZ-RLB n.c. lever to pin
#YZ-7RDT n.o. button-push
#WZ-2RD n.c. button-push
#SW-186 n.c. 0.5" H plunger

MU-SWITCH TYPE D in split dye-cast housing; 0.5" tap conduit hub. 17/8.5 amp 125/250 VAC, unused, s.75
SPDT, one side n.o.; other n.c. 1.9x0.6x1.3, s.45 ea:
#BZ-3R104, pin-style
#BZ-RDTC, button-push
#MXY-O-224, lever-toggle
#V3-1, 0.6x1x0.4 size

C-H TRIGGER SWITCH, DPST norm open w/spring-loaded actuator; 12/6 A 125/250 VAC. #CH-TR-DP, NEW, \$2.50

FOOT SWITCH

3-WAY FOOT CONTROL large "play" pedal switch has two smaller bar switches rated 15 A 115/230 VAC. Wollensack mfg; v/6" cord. 1.5x7x5.5, 2 lbs sh. NEW #FSW-A0548, \$8.95 \$6.95

TAP SWITCHES

TAP SWITCHES, 120/240 VAC 10/5 amps unless otherwise noted; 2 1/2" d. Used.
#AHH-230; 2-deck 3-pos and OFF. Cont. turn; 15/10 A. No knob; 3/16" d shaft. \$2.25
#AHH-33-10; 3-deck, 3-pos with knob, \$2.50
#AHH-2W-3W 3-pos with OFF. 120/240 VAC 30/15 A (2-wire), 15/15 amp (3-wire). 1-7/8x1 1/2x1 1/2, 2 lbs sh. Used w/knob \$2.50

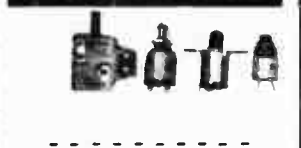
6-POSITION CERAMIC TAP SWITCH for 100 W BC-375 transmitter; 2.3x2.3 x1.8, 1 lb. NEW #XZ9605 \$3.95 ea \$10 for \$32, 100 for \$265.

3-CONDUCTOR COFD. 8" #16 wire; grey moulded plug. #W16-3C \$1.65
HEATER CORD type H5J, 3-conductor 7.5" #16 wire; grey moulded R-A plug. #HSJ-16 \$2

DPDT center-off \$1.50 3/3#
3PDT on-on, \$1.65, 3/\$4.25
4PDT on-on, \$1.75, 3/\$4.50

DPDT one side mom. (f) toggle; Alco #CST-023TA, 2/\$1

PUSH SWITCHES



DPST interlock n.o., (3Z-9825/254), #FSW006 65¢
SPST pull switch, normally open, #PSW007 35¢
SPST normally closed case ground; #PSW008 35¢
SPST normally closed, Grayhill #4002 50¢
3-BUTTON momentary; red breaks, black makes. 3ga 1-8/8x1-1/8; #RE-EM \$1.50

MULTI PUSH

SWITCHCRAFT DW-Type, each section DPDT 3 amps AC; 0.5 A DC 125 V non-inductive. Can use T-1 1/2 size lamp. NEW #67097-506, 9-button Push-on/Push-off; 1x6 1/2x1 1/2 \$7.75
#67091K-506, 9-button interlocked, \$6.50
#67137-506, 13-button Push-on/Push-off; 8 1/2"W. \$9.75
#67131K-506, 13-button interlocked, \$7.95

Also six Dialco indicators with 5/8" square inscribed lenses. 3.5x4.8x3, 1 lb sh. #PROG-SEL-V3, used, \$2.50

Cutler-Hammer MINI-TOGGLES. All 6 amp 120 VAC; NEW:

DPDT center-off \$1.50 3/3#
3PDT on-on, \$1.65, 3/\$4.25
4PDT on-on, \$1.75, 3/\$4.50

SWITCHES

MINIATURE SWITCHES, all new. Black: blk. White: wh.
DPDT momentary, blk or wh button (a); CM #8221 \$1.65
SPDT on-off-on, wh. toggle (b); Alco #MLD106E, 75¢
3PDT on-on, blk. rocker (c) JBT #MRC-123, 65¢
SPDT on-on, blk. push-type Alco #MSP105D, 60¢
SPDT on-on 1-side momentary blk or wh push; CK8168 65¢
SPST black rocker; not mini Carling #123, \$.60
SPDT mini-toggle, baton throw: on-on. #7101T 65¢

DPDT one side mom. (f) toggle; Alco #CST-023TA, 2/\$1

DPDT on-on slide (h), 6/\$1. DPST sub-mini slide switch; Chicago EIA 50, 5/\$1.

TOGGLE SWITCHES



TOGGLE SWITCHES, some single hole mount, some with mount plate; NEW or REM (removed from equipment).
AIRCRAFT-type TOGGLES, two hole mount, illuminated tip SPST nev 5/125 B-15 .65 (momentary norm-closed) SPDT nev 5/125 B-9A .65 (ON-OFF-ON)
SPDT nev 15/125 B-1B .75
DPST rem 30/125 C-1 1.25

INDUSTRIAL-type TOGGLES:
SPST rem 8/125 8817K2 .35 (above momentary)
SPDT rem 8/125 ST-42D .35 (ON-ON)
DPDT rem 5/125 ST-22R .35 (momentary)
DPST rem 10/125 ST-52K .40
DPDT rem 10/125 ST-52N .50 (ON-ON)
DPDT rem 10/125 ST-52R .50 (ON-ON momentary)
DPDT rem 6/125 T-WB-87 .75 (ON-ON, 1" mount barrel, 1/2" dia white ball cap)
3PDT rem 10/125 8742K5 1.25 (ON-OFF-ON)
4PST rem 15/125 7661K5 1.00
4PDT rem ON-ON 34TS11-3 s1.

TEN PUSH SWITCH STRIP EACH D.P.D.T. INDIVIDUAL HOLD OR COLLECTIVE OR RELEASE, NEW 12x4x3/4; NO.4C5231 \$2.25

ROCKER SWITCHES
0319 SPST
39¢ 3 FOR \$1.00
0348 DPDT
59¢ 2 FOR \$1.00
0320 SPDT MOMENTARY BOTH SIDES, 65¢ EA. 2 FOR \$1.20

WRITE BUTTONS THRU 4 SEPARATE CONTACTS, 5, 6, 7 MAKE 2, 3, 4 RESPECTIVELY W/COMMON. RED BUTTON RELEASES ALL. RATED @ 120/240VAC 8; SIZE: 4 1/2x1 1/2x2 1/2; WT: 2 LBS. GE#SP8128-417 UNSECT \$3.75

LEVER SWITCHES

4PDT ONE SIDE 2PDT OTHER SIDE, BOTH SIDES MOM.# 1155 NEW \$2.00
TV-2 tube test Pl lever sw; make S-break 2. Removed \$2.
2PDT ONE SIDE, OTHER 2 MAKE, P/O EE-2, USED \$1.00
SPDT make before break and 2/SPST normally closed; single hole mount. Tele-type #129596 (FSG #5930-259-6880), unused, \$1.50
2PST ONE SIDE ONLY HOLD, CTR OFF, ONE HOLE MTG. SWITCHCRAFT 513148 NEW \$1

200/400 AMP TAP

3PDT 400 A 600 VAC TAP SWITCH, no "OFF" position. 9.5x9x9, 25 lbs sh. #0279, NEW, \$29.95

EQUIPMENT BLOWERS



18 VDC 2400 RPM 5-BLADE FAN removed from oscilloscopes; runs well on 6 VDC. 7" dia blade rotation; o/a 8 1/2" dia X 5 1/2" depth. Includes eight single TO-3 heatsinks; 8 lbs sh. #B401/USM, used, \$16.95

DUAL BLOWER, 3450 RPM 1/12 HP 115 VAC 60 Hz 1.1 A GE-motor; 3" inlet, 3 1/2" outlet. W/capacitor; 11x6x6, 10 lbs. #GE-JG284 used \$15.



DUAL 220 VAC BLOWER, 1/8 HP 3450 RPM; approx 450 CFM. Removable frame; 6.5x29x7.5, 40#. #URC683-KP, used, \$15.

EASTERN AIR TWO SPEED BLOWER, 2800/3200 RPM capacitor-start motor 1/40 HP 0.38 amp 115/230 VAC 50/60 Hz. Mounted on base w/4 mfd capacitor, terminal strips. Approx 150 CFM. Intake 3" dia, outlet 1 1/2"x2 1/2". O/A 8 1/2"x11x6 1/2, 14 lbs sh wt. EAD#B747M1-C, used, \$12.95

FASCO DUAL BLOWER 50 C.F.M. 115 VAC 60 Hz 0.74 amp @ 2800 RPM. Outlets 2x1 1/2"/5/8. One outlet is parallel to mounting base; other is at 90°, but can be modified as shown in picture. Inlets 2 1/2" dia. Overall 7 1/2"x6x5 1/2, 12 lbs sh. Fasco type 21, #127S217, unused, \$10.00

5-BLADE COOLING FAN removed from military power supply; 4 1/2" dia rotation. 115 VAC 0.1 amp 3300 RPM; w/capacitor. 2 1/2"D. #FAN-2054, \$4.50

BLOWER/VACUUM, 115 VAC solenoid reverses intake/outtake allowing unit to work as blower or vacuum. 1 1/2" dia hoses; 6x8 dia, 12 lbs. #SM-CFB, \$12. Less solenoid, \$9.

HOWARD 4.5" square 5-BLADE FAN, 5/8" deep aluminum cast frame; 115 VAC 19 watts. O/a depth 2-5/8"; used-removed from equipment. #1175-08, \$7.95

4-BLADE 6" DIA FAN in conical 7 1/2" to 5-3/8" dia X 7" high housing; 115 VAC 60 Hz. Adapt to use as duct fan. 8 lbs sh. #3M/4B-DF, used, \$9.95

FAN-TYPE BLOWER, 115 VAC 60 Hz 20 watts; 4" plastic fan blades. Open frame low noise motor in metal case-met-type frame. Approximately 100 CFM. 13x5x2, 5 lbs sh. Howard #1075-3102, used, \$4.50

HEATSINKS

Clean HEATSINKS, 10.3x4.5x1.3, NEW: #10D1041 for seven 1/4" and three 3/8" dia diodes, \$3.00 #1D1041F fit-bot f/0.75" diode \$3.50

HEATSINK PANEL has four 10x2-7/8x1 1/2 heatsinks and six 2N3055's on 10 1/4 x14 panel; 9 lbs sh. #HS-M32, \$12.00

#WE-H1D HEATSINK w/diode approx 100 PIV 25 amp; 5x3x1 1/2. Used, \$2.50

#6T763, 6/T0-3; 6.8x6.3x2.4 upright, 4#, \$5. #2T351-4 with two 1/4" holes for transistors; 2.8x4.5x1.4 flat bottom, 1 lb. \$1.50 #1T441 for single TO-3; 4.3x4x1.1, \$1.75

#3D523-8 HEATSINK, 5x3x1-9/16; drilled for 3 large stud rectifiers (1" dia recesses), \$2.

#2D953 HEATSINK, 9x4.8x2.6, drilled with two 3/8" dia holes. 3 lbs sh. Unused, \$4.25

#THS-88, 2.5x3x1 finned area and 2.1x1.5" flange for TO-3, \$8.85

SERIES 680 #.75A-16-1, 1.75" sq x 0.75"H for TO-3, \$8.75 ea

COMPACT AXIAL FANS



AXIAL FANS, 4 1/2" square X 1 1/2" thick; 115 VAC 60 Hz. Removed from equipment; guaranteed.



Rotron MUFFIN or similar; 3-blade 14W \$7.

5-BLADE axial fan in metal frame; 18 watts. Various manufacturers, used, \$9. PAPST #3124F 18 VDC 2 watt or 30 VDC 3 W FAN; 9-blades, 3.5 square X 1" deep, NEW, \$10.

ROTRON BISCUIT or like fan, right angle 1x2" out-take; 115 VAC 60 Hz 16 W. \$12-25 \$10.

SPRITE FAN

ROTRON MODEL SUZG7

Small 3.1" sq X 1.6"D size. Five blade plastic fan in die cast housing. 115 VAC 50/60 Hz 2 lbs sh. NEW, \$12-25 \$9.95

FIVE BLADE COOLING FAN, 4-5/8" dia. rotation no enclosure. Mounting bracket hole centers 5-7/8" apart. 115 VAC 60 Hz. 2 lbs. sh. Airtrol #11-2100, NEW, \$4.95

DUAL FANS

DUAL AXIAL FAN ASSEMBLY, one 3-blade 14 W Rotron Muffin and one 5-blade 18 W metal Howard Cyclohm 4.5" sq equipment fans on 11x6.8 metal plate. 115 VAC 60 Hz; 6 lbs sh. #2-AX-FNB6, used-tested, \$10.95

EQUIPMENT BLOWERS



200 CFM FASCO BLOWER, 115 VAC 60 Hz 2.2 amp @ 3200 RPM; motor speed increases to compensate for any reduction of air intake. 4.5" dia inlet; outlet 3x3.3. Flange mounting 4.8x4.8; o/a 8x8x8, 9 lbs. #50755-J448, used-good \$10.95

100 CFM FASCO BLOWER, 115 VAC 60 Hz 1.0 amp @ 3100 RPM. 3-7/8" dia inlet; outlet 2.5" x2.5". Flange mounting 5.1x4; o/a 7.3x7.3x6, 7 lbs sh. #7021-0573, NEW, \$12.95

150 CFM FASCO BLOWER, 115 VAC 60 Hz 1.5 amp 1/10 HP. 4.5" dia inlet; outlet 3.8"x3.4". Has 9.6x9.8 mount plate on intake side and motor start capacitor. Big blower --small price! 12#. #7082-0124, used, \$9.

HOWARD #1175-08-4 BLOWER, 115 V 60 Hz 12 watts; intake and outtake each 7/8" dia. Suitable for quiet cooling/blowing uses. O/a 4 1/2"x3 1/2", 2 lbs. w/hose, \$6.95

10 INCH ROTRON FAN



ROTRON CARAVEL 10" FAN, 550 CFM free air delivery using 3-blade fan with special Feathered Edge for quiet operation. 3.5" deep aluminum housing; self-lubricating bearings. Operates on 220 VAC 60 Hz but will work on 115 VAC at 50% rating; 8 lbs sh. NEW, \$24.95

BOXER FANS

QUAD-AXIAL FAN ASSEMBLY, 8x22.5x2 housing with four INC Super BOXER® WS2107F fans. Each 4.5"x4.5" 7-blade fan rated 115 VAC 27 W 117 CFM; 13 lbs. #4-SBX-FN, NEW \$32.95

12 VDC FANS

ROTRON SPRINT 12 VDC FAN, 1.4 W; 3.1" sq, 2#. #ST1266, NEW \$10.95 PANAFLO MINIATURE 12 VDC FAN, 2.3" sq. #FBP-068-12L, NEW \$8.95

H-P VHF GENERATORS



HEWLETT-PACKARD 608-Series VHF SIGNAL GENERATORS, AM-Pulse-CW emission; 400 or 1000 Hz modulation. External modulation 20 Hz to 20 KHz, 0 to 95%. Large 3.5" dia meters indicate Percent Modulation and Output Volts-DBM. Require 115/230 VAC 50-400 Hz; 16.4x13.3x21, 72#.

HP-608C, features broad 10-480 MHz range and high output of 0.1 uv to 1 V into 50 ohms; frequency accuracy +/-1%. Repairable, \$215.00

HP-608D, 10-420 MHz range with built-in 1 & 5 MHz calibrator; Repairable w/book, \$250.

HP-608F, later model covers 10-455 MHz with 0.1 uv to 0.5 V output. Built-in crystal calibrator provides check points every 1 MHz upto 270 MHz and 5 MHz check points above; accuracy +/-1%. 608F has phase-lock frequency control capability if used with HP-8708A Synchronizer (not available). Checked, \$425.

HP-612AR GENERATOR, 450-1230 MHz AM-CW-pulse 0.1 uv-0.5 V out; rackmount, 63 lbs. \$275.

HP-614A GENERATOR, 800-2100 MHz CW-FM-pulse, 0.22 uv-0.5 V out; 70 lbs. Repairable, \$250.

H-P 400H VTVM

HEWLETT-PACKARD 400H VTVM with wide mirrored scale; 0.0001 to 300 Vrms in twelve ranges, -50 to +60 db. Response 10 Hz to 4 MHz; 23 lbs sh. Used-reparable, \$45.00; Checked, \$85.00 MANUAL, partial repro, \$8.50



TRANSFER OSCILLATOR

HEWLETT-PACKARD 2590B TRANSFER OSCILLATOR, usable with HP-5245L frequency counter with 5253B plug-in (page 30, WS-87 Catalog) to extend counter's range to cover 500 MHz to 15 GHz. Phase-locking allows measurements equal to the external time base used. Fundamental freq range 240 - 390 MHz; internal 10 MHz reference. Also automatic search oscillator, AGC, FM discriminator, and envelope detector for FM deviation measurements. 16.8x3.5x16.3, 28 lbs. Used-reparable \$250.

HP-5245L ELECTRONIC COUNTER, popular solid-state 7-digit plug-in counter with HP-5253 plug-in allowing frequency measurement upto 500 MHz. Wide variety of plug-ins offered by HP makes this a very versatile unit. Sensitivity 100 mv; gate 1 usec to 10 sec in decade steps. Requires 115 VAC 60 Hz; 5.3x16.8x18.3; 36 lbs sh. Used-reparable w/book, \$250.00

HP-5245L MAINFRAME only, usable to 50 MHz, used-reparable with book, \$165; \$135. HP-5262A TIME INTERVAL plug-in f/5245, \$100.

HP-1707B DC-75 MHz PORTABLE SCOPE, 10 mv to 5 V/div deflection in 9 ranges, sweep 0.1 us-2 sec in 23 steps; delay 0.1 us-2 sec. Rise-time 4.7 ns or less. Also x10 magnifier, beam finder, & 1 KHz squarewave. 115 VAC or 12-36 VDC power; 34 lbs sh. Used-checked w/book but less front cover, \$295 \$595.



50 KHZ TO 60 MHZ

HEWLETT-PACKARD 606A, 50 KHz to 60 MHz AM in six bands +/- 1%. Output 0.1 uv to 3 volts into 50 ohms, varner and step controlled. 400 or 100 Hz modulation; built-in crystal calibrator provides either 100 KHz or 1 MHz frequency check points. Other features include constant output and modulation and low distortion. 10.5x19x13.5, 50 lbs. Used-reparable, \$275 \$150. Checked \$380 \$225; CABINET f/606A, add \$15.

MARCONI FM



MARCONI TF1066B/1 SIGNAL GENERATOR, 10-470 MHz AM-FM in five bands; output 0.2 uv to 200 mv. Modulation 1 KHz or 5 KHz; FM deviation SCALES -20 AND -100 KHz. Requires 115 VAC 60 Hz; 14x19x9, 60 lbs. Used-reparable w/book rackmount. \$429.97; add \$15 for cabinet. TF1066B/6, similar to TF1066B/1 except has built-in 1 and 10 MHz crystal calibrator. Used-reparable w/cabinet, \$525.00

TS-418/URM-49, 400-1000 Mhz AM, CW, pulse. Output: 0.2 to 200K uv into 50 ohms. 12x17x11 1/2, 70 lbs sh. Used, reparable, \$175.00

TS-419/URM-64, 900-2100 Mhz CW and pulse w 1 MW max. into 50 ohms. Repetition rate between 40 and 4000 pulse/sec. Delay: 3 to 300 u-sec. 14x17x11, 50 lbs sh. Used, reparable, \$165.



AUDIO OSCILLATOR

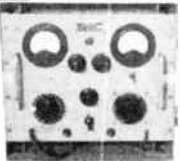
TS-382-AUDIO OSCILLATOR, 20 Hz to 20 KHz in FOUR BANDS. OUTPUT: 0 to 10 VOLTS ACROSS 1000 OHMS. WITH BUILT-IN 60 AND 400 Hz REED FREQUENCY METER. SIZE: 10x12x18 1/2, SHPG. WT: 50 LBS. NET: 45 LBS. PRICE: USED, REPARABLE, \$49.50. CHECKED, \$65.



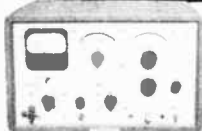
TS-382F AUDIO OSCILLATOR, MOST RECENT VERSION TS-382. USED, REPARABLE, \$60. CHECKED, \$75.

1 - 10 GHz TEST

AN/USM-96 RF POWER TEST SET measures output from 1 to 10 GHz CW, modulated or pulsed. Power input 100 MW to 5 watts using 94CEL (to 1 MW) or 94CEH (to 50 MW) bolometers. Separate CN-540 & CN-541 attenuators extend measurements to 100 MW & 5 W respectively. Has 3.5" dia meters for 0-50 Relative Power and Center Scale Balance. Bolometers, attenuators, MX-2683 bolometer mount, operator's manual included. Requires 115 VAC 50-1600 Hz; 13x13x14, 50 lbs. Used-reparable, \$145.



H-P WAVE ANALYZERS



HEWLETT-PACKARD 302A WAVE ANALYZER, covers 20 Hz to 50 KHz with operational modes AFC-normal-BFO; 6 Hz selective bandwidth. Resolution: 10 Hz per division. Meter range 20 uv to 300 Vrms full scale in 15 ranges; dynamic range >75 DB. BFO output 0-2 Vrms open circuit. Requires 115/230 VAC 60 Hz; 12.5x20.8 x14.5, 50 lbs. Used-reparable w/book, \$135.

HEWLETT-PACKARD 310A WAVE ANALYZER, 1 KHz to 1.5 MHz with selective bandwidths 200, 1000, and 2000 Hz; resolution 200 Hz per division. Operational modes AFC-normal-BFO-USB-LSB-AM. Amplitude ranges 10 uv to 100 V full scale in 16 ranges. AFC: dynamic hold-in +/- 3 KHz min @ 100 KHz; tracking 100 Hz/sec. Restored signal freq max output 0.25 V across 135 ohms. Requires 115/230 VAC 60 Hz; 10.8x15.8 x18.4, 50 lbs. Used-reparable w/book, \$250.



SOLID-STATE OSCILLATOR



AN/URM-127 SOLID-STATE AUDIO OSCILLATOR, 20 Hz to 200 KHz in four bands. Metered output 0-10 Vrms into 500 or 1000 ohms in 7 decade ranges. Design accuracy +/- 0.5%. Requires 115 VAC 50-70/380-420 Hz. 7.5x13x4.5, 15 lbs sh. Used-reparable, \$65. Checked, \$115.00; MANUAL partial repro, \$10.

TRANSISTOR CURVE TRACE



TEKTRONIX 575 TRANSISTOR CURVE TRACER SCOPE, displays characteristics of junction and point contact transistors on 5" CRT. Collector sweep 0-200 V-peak with 1 amp current curves; 0-20 V, 20 A curves. Step generator volt increments 10 mV to 0.2 V/step in five ranges; current 1 ua to 200 ma/step in 17 ranges. Vertical plots collector current 0.01 ma to 1000 ma/div, 16 steps; multipliers/dividers extend range 0.001 ma to 2000 ma/div. Horizontal plots collector 0.01 to 20 V/div, 11 steps. Vertical & horizontal plot base volts 0.01 to 0.5 V/div, 6 steps; base current or source volts read from step collector switch. Requires 115/230 VAC 50-60 Hz; 16.8x13x24, 80 lbs sh. Used-reparable w/book, \$250.00

FM SIGNAL GENERATOR

SG-12/URM- FM SIGNAL GENERATOR, 19.5 to 102 MHz FM IN FIVE BANDS WITH DEVIATION RANGES 0 to 25, 50, AND 100 KHz; 1000 Hz MODULATION. ALSO IF OUTPUTS ON 1.4, 2.515, 2.65, 2.88, 4.3, 4.45, 5.0, 5.35, 15 MHz, PLUS TWO SPARE POSITIONS. CALIBRATED OUTPUT VOLTAGES: 0.5 UV TO .01 VOLTS (RF); 0.5 UV TO 1.0 V (IF). OUTPUT IMPEDANCES: 10 OHMS (RF); 25 OHMS (IF). WITH 1 MHz AND/OR 2 MHz CRYSTAL CALIBRATOR MARKERS. POWER REQUIRED: 115/230 VAC 50-1000 Hz. SIZE: 12x18x12; SHPG WT: 85 LBS. Used, reparable, \$65.00; Checked, \$125.00



MANUAL, partial repro, \$12. TRANSIT CASE \$15.

10 KHZ TO 50 MHZ



AN/URM-25F SIGNAL GENERATOR, covers 10 KHz to 50 Mhz AM in nine bands. RF output: 0.1 to 100K microvolts into 50 ohms; 2 V adjustable across high load impedance. Modulation 0-50%, 400 or 1000 Hz internal. 1 Mhz calibrator; designed accuracy +/- 0.05% above 10 Mhz. Requires 115 VAC 50-100 Hz. 11x14x10 1/2, 44 lbs. Used, reparable, \$145. Checked, \$210.00

ACCESSORIES available w/purchase of URM-25F: BOOK-partial repro, \$10. DA-1C9 Dummy Load \$6 CX-2919 Test Lead Adapter, \$7.50 CU-406 Impedance Matcher, 500 ohms up, \$7.50 CU-408 Impedance Matcher, 70 ohms, \$7.50 BNC Cables, 6", \$1.00; 4 feet, \$1.50

FREQUENCY COUNTER

CP-929/USM-245 FREQUENCY COUNTER, portable unit has seven Nixie display with frequency range of 1 Hz to 2.5 MHz; measures period, frequency ratio, and time interval between two signals. Common controls for Function, Time Base 1 uS-10 sec, and Display Time. Separate A and B controls for Trigger Slope and Level and 1-10-100 AC & DC Attenuators. Requires 115 VAC 60 Hz; 4x16.5x17, 22 lbs. Used-reparable w/commercial TSI-361 book, \$79.50

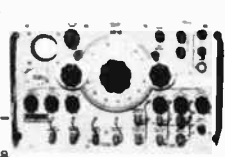


TS-505/U, ranges 0 to 2.5-5-10-25-50-100-250-500 Vrms plus 1000 VDC scale. Also X1 ohm thru X1 Megohm ranges. Response: 30 Hz to 5 MHz. With AC, DC, and Ohm probes. 9.8x9x6, 17 lbs sh; Used. Repairable, \$20. Checked \$45. MANUAL, partial repro, \$10.

ME-180/USM-116, features 2G Hz to 100 MHz response (700 MHz using optional T-connector) and full scale ranges 1-3-10-30-100-300 Vrms plus 1000 VDC. 0.02 to 1000 MA DC range; resistance 1 ohm thru 1 Megohm. High frequency AC probe has 6923/EAS2 tube. 7x8.3x9, 21 lbs sh. Used-reparable, \$45. Checked, \$75.00 T-CONNECTOR \$10 w/set. MANUAL, par-repro \$10.

FREQUENCY COMPARATOR

CM-212/USM-144 FREQUENCY COMPARATOR, used with frequency counters to determine with high accuracy frequencies from 10 Mhz to 12.4 GHz; similar to Hewlett-Packard 540A oscillator. Measures CW, FM, and pulse modulated RF signals. Unknown signal is fed into USM-144 and is compared to a mixed frequency generated



from a stable, continuously adjustable fundamental from 100 to 220 MHz. Difference in the unknown is shown on 2" dia CRT (2BFl) display. Final determination of the input signal made by the zero beat of the fundamental multiplied by the appropriate harmonic. Requires 115 VAC 50-440 Hz; 13x19x13 1/2, 65 lbs sh wt. Used, reparable, \$99.50 TRANSIT CASE \$10 w/purchase. MANUAL \$10 w/set

ENVELOPE DELAY TEST



SIERRA 340B ENVELOPE DELAY TEST SET, solid-state unit designed to cover CCITT and WE voice and group carrier

multitplex system frequencies. Separate 6-digit readouts for delay in u-sec and frequency in KHz. Carrier freq 300 Hz to 110 KHz in two ranges; delay 0-20K usec (25 Hz modulation), 0-2K usec (250 Hz mod). Input/output Z select 75-135-600-900 ohms. Transmitter output -20 to +10 db; Receiver -45 to +20 db. No further info. Requires 115/230 VAC 60 Hz; 5.3x19x15.8, 32 lbs. Used-reparable, \$195.00

3.7 TO 8.4 GHz GENERATOR

POLARAD 1107 SIGNAL GENERATOR, 3.70 to 8.40 GHz CW, square wave, and sawtooth FM; has three place technical digital attenuator. Output attenuator continuously tunable from 0.1 u-v to 300K uv. Internal square wave and FM rate 800-1200 Hz; FM sweep adjustable over 5 MHz most of band. 2A713441 transistors and tube 4/0A2, 3/12AX7, EL34, 8068, A160011 Polarad klystron. Requires 115/230 VAC; 5.3x16.6 x18.3, 50 lbs. Used-reparable w/book, \$350.



POLARAD 1108, similar to 1107 except 6.95 to 11 GHz, used-reparable w/book, \$365.00

ELECTRONIC FILTER

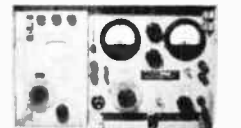


S/L 302 DUAL VARIABLE ELECTRONIC FILTER has dual filter sections each with high and low pass

filtering with high-low cut-off frequency range of 20 Hz to 200 Hz using decade scales X10-X100-X1000. High pass greater than 90 db limited by hum and noise; Low pass 60 db on X10 range, 90 db below 1 MHz, 60 db above. Insertion loss: 0 db +/- 1 db for 20-20K Hz cut-off; 0 db +/- 2 db for 20-200 Hz. Input impedance 2 Megohms shunted by 22 pf. Cut imped: 300 ohms. Max signal in: 6 V peak. W/tubes 10/12AT7, CA2, 6AV6, 2/6AV5 or 6AD5. Requires 105-125 VAC 50-60 Hz; 5.2x19x13.6, 26 lbs. Used-reparable w/partial manual, \$75

50 TO 400 MHZ FM

SG-3/URM-70 FM SIGNAL GENERATOR, 50-400 MHz in three bands. Internal modulation @ 100, 1600, or 20000 Hz. External: 250 to 75 KHz. FM deviation: 0-15-75-150 KHz (50-100 MHz), 0-30-150-300 KHz (100-200 MHz), and 0-60-300-600 KHz (200-400 MHz). Output: 0.1 to 100K u-volts +/- 25%. 50 ohms output. Requires 115 VAC 60 Hz. 15x11.5x17.3; 90 lbs. Used-reparable, \$165. Checked, \$235. MANUAL for URM-70, partial repro, \$10.00



VOLTMETER-VLF RECEIVER



ME-71/FCC AUDIO LEVEL METER, covers 20 to 500 KHZ CONTINUOUSLY TUNABLE. AS SELECTIVE RE-TECTOR, IT MEASURES RF CARRIER ACROSS A 135 OHM BALANCED OR 600 OHM UNBALANCED LINE. VARIABLE ATTENUATOR PROVIDES INPUT SENSITIVITIES FROM -70 TO -42 DBM INDICATED ON 3 1/2" DIA. METER. INCLUDES 100 KHZ CALIBRATOR. INPUT IMPEDANCE: 10K OHMS. AUDIO GAIN AND TWO PHONE JACKS. VARIOUS MODELS ("C" PICTURED). POWER REQUIRED: 115 VAC 60 HZ. 17x14x9; 40 LBS SH. ME-71, w/NATIONAL-TYPE DIAL, USED, \$40.00 ME-71B, USED, REPAIRABLE, \$45. ME-71C, \$50. OPERATIONAL, ADD \$30. MANUAL, REPRO, \$8.50

8500-9600 MHZ TEST SET

TS-148/UP SPECTRUM ANALYZER, 8470-9630 Mhz with 3" CRT (3BP1) display. Measures frequencies of cavities, echo boxes, magnetrons, and local oscillators. Receives CW and pulse; transmits CW and FM carrier. 1 MW power output (2K25). Max. spectra dispersion: 1.5 Mhz/in. Requires 115 VAC 60 HZ. 19x13 1/2x25, 45 lbs sh. Used, \$50.00 AN/UPM-33 TEST SET, includes TS-148/UP, wave guides, horn antenna, cables, transit case, and manual; 80 lbs sh. Used, \$85.00



RADAR TEST SET

TS-147F X-BAND TEST SET used to test radar and beacon equipment in 8500 to 9600 MHz range; functions as signal generator, power and frequency measuring device. Generator output over band FM-CW-external modulation; -7 to -85 dbm RF output. Sweep variable from 0.2 to 6 MHz; pulse repetition to 4000 pps. Freq-meter range 8470-9630 MHz +/-2.5 MHz. RF power level input: +7 to +30 dbm. Sawtooth sweep 0 to -100 V. Has 2.5" dia Milli watt/DBM meter and 2K25 klystron. Requires 115 VAC 60-1600 HZ. 11.5x17.5x10, 40 lbs sh. Used-repairable, \$135.00 AT-6B PICK-UP HORN, \$12.00 UG-446 ADAPTER, UG-39 flange to N conn, \$12. UG-397 ADAPTER, UG-52A flange to N conn, \$12.



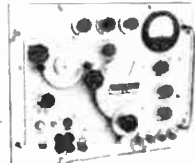
TRANSISTOR TESTER

HICKOK MODEL 1890M TRANSISTOR TESTER, checks transistors in and out of circuit. Collector leakage current (I_{leak}) ranges: 0-50-500 ua and 50 ma. Collector current (I_c) 0-1-10-100 ma. Current gain Beta: 0-50-100-200-400. AC test signal 1000 Hz. Transistor input resistance range 50-10000 ohms; circuit input impedance 25-100000 ohms. Collector voltages 0-1.5-3-4.5 VDC. Has transistors 4/2N651A, 2N650A. Requires batteries (not supplied) Eveready 765 (23.5 V) and two Burgess 2370-ST (4.5-3-1.5 V). With partial repro of manual. 10x10 1/2x9 1/2, 18 lbs. Used-repairable, \$34.50 \$42.

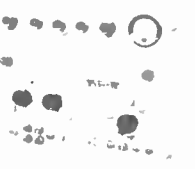


4 GHz TEST EQUIPMENT

TS-403 SIGNAL GENERATOR similar to Hewlett-Packard 618B; 1.8 to 4.2 Ghz directly calibrated. Output 0.1 uv to 200K uv into 50 ohm load monitored on 3 1/2" round Power Level meter Internal modulation 40 to 4000 Hz. External pulse-mod requires -40+70 V; width 1 to 2500 used squarewave or modulated. Requires 115/230 VAC 50-1000 HZ. 17x13 1/2x13 1/2, 70 lbs Used-repairable \$195 \$165. MANUAL, repro \$10.



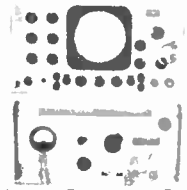
SG-557/TS-621 SIGNAL GENERATOR, 3.8-7.5 GHz; similar to HP-618. FM, CW, pulse or square-wave modulation. Pulse rate varies 40-4000 pps; width 0.5-10 usec. Output 1 MW into 50 ohms; 17.5x14x19.5, 110 lbs. Used-repairable with output, \$215.00 MANUAL f/SG-557/TS-610, partial repro, \$12.



SPECTRUM-ANALYZER

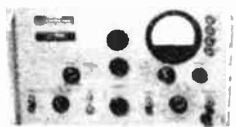
TS-1010/UPM-84 SPECTRUM ANALYZER, covers 10 MHz to 44.88 GHz in eight bands; 5" SADP7 CRT display. Resolution at 3 db points: 20 KHz over range. Dispersion: 500 KHz-5 MHz adjustable (10-55 MHz); 500 KHz-25 MHz (55 MHz and up). Spectrum calibrator 160 MHz center freq +12.5 MHz. Sensitivity as low as -63 db (10-150 MHz); 40 db (2.0 GHz up.) RF attenuation 100 db uncalibrated internal 10 MHz to 12.4 GHz; external attenuators required above. IF attenuation 0-60 db in 6 db steps. Requires 115 VAC 60 HZ. 17.3x19x26; 180 lbs sh, 145 lbs net. Used-repairable, \$425. \$265. TRANSIT CASE, 75 lbs, \$15 w/set purchase. MANUAL, partial reproduction, \$15.00

ACCESSORY KIT including five bandpass filters for segments of 0.75-11.8 GHz range, three variable attenuators and three coax-to-waveguide adapters for 12.4-44.88 GHz, transit case \$85.00 w/set purchase.



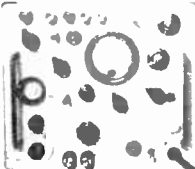
DISTORTION ANALYZER

TS-723 DISTORTION ANALYZER, similar to Hewlett-Packard 330B; used to evaluate output of audio amplifiers. Measures harmonic distortion as percentage or in decibels and noise level in RMS or DB values referenced to 1 MW across 600 ohms. Response 20 Hz to 15 KHz; distortion sensitivity as low as 0.3% of meter full scale. Noise amp gain: 40 db - 20 db from 20 Hz-15 KHz. Set level amp gain: 20 db +/- 1 db 20 Hz-20 KHz. Input impedance 200K ohms shunted by 40 pf. Built-in AC VTVM has ranges 0.01-200 Vrms in 8 steps; +30 to +50 db in 8 steps. TVM response 10 Hz-100 KHz. With tubes 003, 5Y3, 3/6AC7, 2/6J5, 4/6SJ7, 6V6. Requires 115/230 VAC 50-1000 HZ. 10.5x19x12, 50 lbs. Used-repairable, \$185 \$99.50 Checked, \$210 \$150. MANUAL, part-repro \$10.



UNIVERSAL BRIDGE

ZM-11 TEST SET, portable bridge unit designed to measure capacitance, inductance, resistance, transformer turn ratio, dissipation factors of inductors and capacitors, and storage factors of inductors--all at 1 KHz test frequency. Also insulation and leakage of electrolytics in circuit using 10.75 MHz test frequency. Capacitance range: 10 pf-10 mf, 1 mf-100 mf, 10 mf-1100 mf. Inductance: 0.1 mH-1 H, 1 H-10 H, 10 H-110 H. Insulation OC res: 200-500 megohm, 5K-10K meg ohm. Transformer turn ratio: 0.01-110 (K=1). OC leakage: 0-1-5-25 ma. Dissipation: 0-0.06 (10 pf-0.1 mf), 0-0.6 (0.1 mf-1100 mf). Storage: 0.5-20. OC applied to electrolytics is 500 VDC. Uses test leads with standard banana jacks. (Leads not available.) W/tubes 6E5, 6J6, 2/6AV6, 6AG5, 6AL5, 6AQ5, and 6X4. Requires 115 VAC 50-1000 HZ; 5.8x9x9.8, 18 lbs. Used-repairable, \$85. Checked, \$115.00 MANUAL for ZM-11, partial repro, \$8.50



500 KHZ SCOPES

HEWLETT-PACKARD 130C OSCILLOSCOPE, 500 KHz bandwidth on all ranges plus 0.2 mv/cm sensitivity for X and Y amplifiers making it especially useful for phase measurement. Has large easy-to-view 5" dia CRT. Sensitivity 0.2 mv to 20 V/cm in 16 calibrated steps, 1-2-5-10 sequence; vernier to 50 V/cm. Sweep 1 uSec to 5 S/cm in 21 steps; vernier to 12.5 S/cm. Also 350 Hz squarewave calibrator, X2/X50 magnifier, auto triggering, beam finder; with partial repro manual. 115/230 VAC 50-1000 HZ; 7.3x16.8x18.5, 38 lbs sh. Used-repairable, \$135. Checked, \$195.00



XTAL IMPEDANCE METER

TS-330/TSM CRYSTAL IMPEDANCE METER, measures parameters of 1 to 15 MHz quartz crystals, measures series resonant and anti-resonant resistances, and provides performance index of crystal activity. Ranges 0-1.5, 1.5-2.25, 2.25-3, 3-4.5, 4.5-7.5, 7.5-10.0 MHz. Resistance calibration 0-100 ohms (1A steps), 100-990 ohms (10 steps), 1000-9900 (10A steps). Loss capacitance 12-110 pf using 0-100 ohm dial and calibration chart. Requires 115 VAC 50-1000 HZ. Similar to RFL Model 33; gray or black color. 7x19.5x8.3, 30 lbs. Used-repairable, \$165 \$135 MANUAL for TS-330, partial repro, \$12.00



FR-149 FREQUENCY METER

FR-149/USM-159 TRANSISTORIZED FREQUENCY METER, covers 125 KHz to 1000 MHz IN THREE RANGES: 125 KHz-2.5 MHz, 2.5-65 MHz, AND 65-1000 MHz. CAN BE USED AS A SIGNAL GENERATOR BY PROVIDING EITHER MODULATED OR UNMODULATED SIGNALS. FREQUENCY FUNDAMENTALS READ DIRECTLY FROM MAGNIFIED AND ILLUMINATED CALIBRATED FILM STRIP AND THEN INTERPOLATED IN ACCOMPANYING CALIBRATION BOOK. OPERATES FROM EITHER SIX "D" CELL BATTERIES OR FROM 115/230 VAC 50-450 HZ. SIZE: 11x11x13; SHWG. WT: 33 LBS. Used-repairable \$95 \$75. Checked \$280 \$115



AUDIO TEST GENERATOR

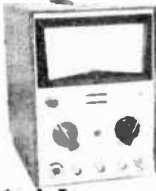
HEWLETT-PACKARD 205AG AUDIO SIGNAL GENERATOR, has two voltmeters to measure input and output of unit under test plus 0-40 db in 5 db step input attenuator and 0-110 db in 1 db steps. Response: 20 Hz-20 KHz; output 5 watts max into selectable 50, 200, 600 or 5K ohm loads. Requires 115/230 VAC 50-1000 HZ. 12.8x20.8 x15.5, 63 lbs. Used-repairable w/book, \$125.



ME-6D/VTVM, covers 0.005 to 500 V-rms in six ranges and -85 to 57 db. Built-in 15 Hz-250 KHz wide-band amplifier with max. voltage gain of 4500; minimal distortion to 23 VAC output. 115 VAC 50-400 HZ. 11x6 1/2x5 1/2, 14 lbs sh wt. Used-repairable, \$20. Checked, \$40. MANUAL f/ME-6D, partial repro \$8.50



HICKOK MULTIMETER



HICKOK 1604M SOLID-STATE MULTI-METER, achieves high gain by using chopper to allow use of AC-coupled amplifiers. AC response to 700 KHz and AC volt ranges 0-0.5-1.5-5-15-50-150-300 VAC. Klevon DC volts full scale ranges from 0-0.5 V to 1500 V in 15-50-150 sequences. Fourteen DC current ranges 0 to 1.5 nanoamp to 150 ma in 1.5-50-15 sequence. Resistance ranges from 0-500 ohms to 500 megohms in seven steps. AC probe uses RA53 tube. Includes AC and DC probes, two test leads, and partial repro of manual. Requires 115/230 VAC 50-400 Hz. 7 1/2 x 5 1/2 x 9 1/2, 13 lb sh. Used-reparable, \$85. Checked, \$125.00

SQUAREWAVE

SG-299 SQUAREWAVE GENERATOR, 1 Hz to 1 MHz in six decade ranges. Output: 7 V peak-to-peak 75 ohm impedance with 0.02 usec risetime; 55 V p-p 600 ohm impedance 0.1 usec risetime. 75 ohm attenuation 0-20-40-60 db. Sync input: Positive pulse or sine wave. Requires 115 VAC 60 Hz; 13.9x9.8x13.9, 40 lbs Used-reparable, \$35. MANUAL part-repro \$8.50

PHASE VOLTMETERS



NORTH ATLANTIC VH-202R PHASE ANGLE VOLTMETER, preset for analyzing 400 Hz phasing; usable for any frequency in 30 Hz-10 KHz range if appropriate filter installed (not available). Selectable FUND-0°-90°-180°-270° phasing with 0-90° dial in 1° increments; 2% accuracy. Resolution 0.05° at 5 times full scale voltage; 30 Hz-10 KHz frequency range. Built-in VTVM has 12 ranges from 0.001-300 Vrms. Input impedance 10 megohms. 115/230 VAC 60-400 Hz; 5.3x19x7.3, 20 lbs sh. Used-reparable with book, \$55.00

VH-202BR PHASE METER, similar to above except has filters in signal and reference channel. Used-reparable with book, \$69.50

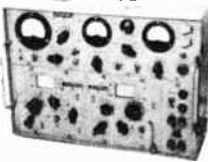
MULTIMETER



ME-297/USM-223 FET MULTIMETER measures volts AC and DC to 5000 V in sequential ranges 2.5-10-50 to 5 KV. AC/DC 1000 ohm/v or DC 20K ohm/v. Also DC current to 10 amps in full scale ranges 0.25-2.5-10-50-100-500 MA DC and 2.5-10 amps. Resistance scales x1K-10K-100K-1M-10M ohms. Includes rugged plastic case, 4.5" dia FS=50 ua meter, red-black test leads and front cover. Requires 6-PXB: 1.3 V and 1-C batteries (not included). 6x7.4x8.8, 7 lbs sh. Used-reparable, \$34.95; Checked \$54.95; Manual partial repro, \$8.50

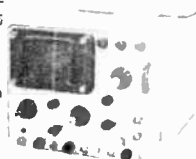
MULTI-PURPOSE TEST SET

AN/TRM-1 SIGNAL GENERATOR, covers 0.19-400 MHz AM using two RF oscillators SG-32 (0.19-30 MHz in 5-bands) and SG-33 (30-400 MHz). Internal modulation 0-60% @ 1 KHz or 300-6000 Hz external. Output: 2.5 to 100K u-volts in nine steps; 50 ohm impedance. Built-in voltmeter measures 0-3-30-600 VDC, 0-3-30-300 VAC, and 0-10-100-1000 MW. Also tests performance of 3 to 100 watt transmitters over freq. range when proper coupler and dummy load (not included) is used. Write for availability/price of accessories. Requires 115 VAC 60 Hz. 18x13x8; 65 lbs. Shipped UPS in two cartons. Used, repairable \$135. Checked, \$225. MANUAL, partial repro, \$10.



SOLID-STATE SCOPE

OS-106/USM-117 TRANSISTORIZED OSCILLOSCOPE, DC to 5 MHz bandwidth. 4QP2 rectangular CRT, and is very compact. Includes MX-2996 high gain vertical plug-in plus has dual-trace capabilities when used with MX-2995 plug-in (not included). Sweep range 0.1 usec to 0.1 sec in 19 calibrated steps in 1-2-5-10 sequence. Vertical sensitivity: 0.01 v/div to 20 v/div in 11 calibrated steps in 1-2-5-10 sequence, variable to 50 v/div. Input impedance 1 Megohm shunted by 47 pf. Calibrator generates 1 KHz square wave at either 0.04 or 0.4 V p-p. Requires 115 VAC 50-60 or 400 Hz. 8.5x9.5x15; 20 lbs. Used-reparable, \$165. \$113; Checked, \$265. \$175. USM-117 with dual-trace MX-2995 instead of MX-2996, repairable or checked, WRITE MANUAL for USM-117, partial repro, \$15.00 MANUAL for MX-2995, partial repro, \$15.00



SSB SPECTRUM ANALYZER

TS-1379A SSB SPECTRUM ANALYZER, designed to measure single sideband transmitter characteristics such as hum, noise, distortion, carrier and undesirable sideband suppression. Solid-state unit has 5" CRT (5EQP7) display for viewing RF. Input frequency 485-515 Hz and 2-30 MHz. Sweep width: 150, 500 Hz, 3.5, 7, 14 & 30 KHz. Requires 115 VAC 47-430 Hz. 16x19x18, 70 lbs. Used-reparable, \$225. MANUAL part-repro \$15. TS-1379 ANALYZER, earlier version, used \$185.

CV-2353A FREQUENCY CONVERTER adds VLF range to TS-1379/1379A of 100 Hz to 2 MHz. Input of 100 Hz-2 MHz is mixed with externally supplied oscillator signal in 2.5-4.5 MHz range to produce 2.5 MHz output. Also 3 MHz oscillator output. Input 0.01 to 3 V rms 600 balanced; 600/75 ohm unbalanced. Output 0.01 V @ min attenuation. 115 VAC 60 Hz; 8.3x19.5x6.6, 22 lbs Used-reparable, \$75

TEKTRONIX SCOPES

TEKTRONIX 545 SCOPE 30 MHz mainframe with sweep delay, two time bases, and 6x10 cm display. Versatile unit uses wide variety of Tektronix and other manufacturers' letter- & I-Series vertical plug-ins. 17x13.3x24, 80 lbs sh. Yes, this popular tube-type scope has been around awhile and must be shipped via truck. But consider Tektronix quality, versatility and low the "unheard of" low price:

TEK 545A w/Tek CA dual-trace, CHECKED, \$225.
TEK 545B with Tek CA, CHECKED, \$249.00

TEK 545 Mainframe only, Used-reparable: \$65.
TEK 545A MAINFRAME, used-reparable, \$80.00
TEK 545B 33 MHz MAINFRAME, repairable, \$99.
MANUALS for TEK 545, 545A or 545B (specify), partial reproductions, \$15.00 each.

VERTICAL PLUG-INS for above, repairable; take 15% off plug-in prices if purchased with scope. (Add \$10 for TEK manufacture):
TYPE C Hickok Dual Trace, DC-24 MHz, \$65.
TEK CA Dual Trace, DC-24 MHz, \$95.
G Wide-Band DC-20 MHz, \$20.00
53/54K Fast-Rise High-Gain DC, \$30.00
L Fast-Rise High-Gain DC and AC, \$40.
TEK 1A1 Dual Trace DC-30 MHz (50 MHz for Tek 547), repairable, \$95. Checked, \$145.

TEK TYPE M Four-Trace, repairable, \$125.00
TEK TYPE Q Strain Gauge, repairable, \$115.00
TEK TYPE R Transistor Risetimer, \$100.00
TEK TYPE W Differential Comparator, \$115.00
TEK IL30 ANALYZER, 925 MHz-10.5 GHz, \$350.
TEK 10A2A DC-100 MHz dual-trace 1/647, \$135.

TEKTRONIX 434 STORAGE SCOPE, portable DC to 25 MHz dual trace; full upper or lower screen storage. Used-exc w/book, \$1200.00

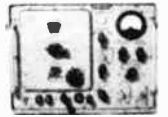
LM FREQUENCY METER



LM FREQUENCY METER, crystal calibrated unit covers 125 to 20,000 KHz in two bands. Design accuracy better than 0.05%. Output 250 uv minimum; 600 ohm impedance. 40% AM modulation at 500 Hz. With calibration book, 1000 KHz crystal, and tubes 6A7, 76, 77, 2/991. Requires 12 V 600 ma AC, 200-475 VDC 20 ma. 8.1x8x8 1/2, 14 lbs sh wt. Gov't-reconditioned, \$24.95; MANUAL, \$7.50 w/set. Power input connector for meter, \$3.00

SIGNAL GENERATORS

AN/URM-25 SIGNAL GENERATOR, older version of URM-25F, 10 KHz-50 MHz AM in nine bands. Output 0-100K uv into 50 ohms. Modulation 0-50% 400 or 1000 Hz internal. One KHz crystal calibrator. Requires 115 VAC 50-1000 Hz. Less front cover; 11.1x14x10 1/2, 44 lbs sh. Used, repairable, \$65. Checked, \$130. ACCESSORIES available w/purchase of URM-25: MX-1487 impedance adpdr \$6. MANUAL, \$10. SM-35 antenna simulator, \$5. CN-228 5:1 attenuator \$5. CN-224 10:1, \$6.

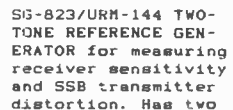


3 TO 405 MHz AN/URM-26 SIGNAL GENERATOR, older version of URM-26B, 3-405 MHz AM-CW in six bands; output 0.1 to 50K uv into 50 ohms. 0-50% internal modulation, 400 or 1000 Hz. Requires 115 VAC 50-1000 Hz. 11.8x15.2x10 1/2, 42 lbs sh wt. Used, repairable, \$90.00; MANUAL, partial reproduction, \$10.00 CN-179 10:1 or MX-1289 adapter, \$7.50 each.

SINGLE SIDEBAND TEST



SG-376 TRANSISTORIZED TWO-TONE I.F. SIGNAL GENERATOR for testing SSB equipment. Has two 20 KHz-20 KHz audio oscillators and two independent IF oscillators. IF outputs: 497.5, 498.5, 501.5 or 502.5 KHz only plus 497.5 & 498.5 or 501.5 & 502.5 KHz simultaneously. Output levels: 2-2.5 V into 600 ohms (AF); 1-1.25 V into 60 ohms (RF) with attenuation to 100 db in 2 or 10 db steps. Requires 115 VAC 50-450 Hz. 5.5x19x11, 35 lbs Used-reparable \$95. Checked \$155. MANUAL \$10



SG-823/URM-144 TWO-TONE REFERENCE GENERATOR for measuring receiver sensitivity and SSB transmitter distortion. Has two RF outputs usable independently or in combination without intermodulation effects. Outputs 2, 3.8, 4, 7.2, 8, 14.4, 16, 28.8 MHz at 100K u-volts max into 50 ohms. Freq adjust +0.05% (A), +0.0025% (B). Requires 115 VAC 60 or 400 Hz. 5.5x19x11, 35 lbs sh. Used-reparable \$90. Checked \$146. MANUAL \$10

SG-376 and SG-823 designed for use with TS-1379A Spectrum Analyzer on page 33.

4 TO 405 MHz GENERATOR

SG-117/URM-26B SIGNAL GENERATOR, 4.0 to 405.0 MHz AM-CW-pulse in six bands. Compact unit has 0.1 to 100K uv output @ 50 ohms. Modulation 400 or 1000 Hz 0-50%. External pulse-mod requires positive 40 V min. 50-5000 pps; duration 2-40 usec and 70 ohm input impedance. Requires 115 VAC 50-1000 Hz; less front cover. 11.3x14x10.5, 36 lbs. Used-reparable \$175 \$115. Checked, \$225 \$165. MANUAL, partial repro \$10.



ACCESSORIES sold only w/purchase of URM-26B:
CN-315 2:1 attenuator, 50 ohms, \$8.00
CN-316 10:1 \$10. CN-471 10:1 70 \$10.
CU-479 impedance matcher, \$10.00
BNC cords, 4 ft, \$3.00; 6", \$2.00

PRICE REDUCTIONS ON COMPUTER SURPLUS!

GREEN MONITOR

12" diag-GREEN COMPOSITE MONITOR, high quality unit made for Commodore featured in our Summer '85 Supplement. We bought more at a lower price and are passing on the \$5.00 savings. Has AmpereX M31-334GR CRT and fiberglass PC board; sturdy steel frame allows easy attachment of your constructed enclosure. Requires 12 VDC 2 amps; manufactured in late 1984 by Elston Electronics. 10"Hx12.8"Wx11"D; 18 lbs #DM-30-WDSR, NEW w/schematic, \$39.95 \$29.95



MICROFORM DATA 9" MONITOR comprised of Motorola XM227-17 composite black and white monitor suitable for use with video camera or as a computer monitor. Hidden control for contrast and brightness; also On/Off switch, 75 ohm or high impedance input (BNC connector), and ivory case with green base. Requires 115/230 VAC 60 Hz. 16.5x9.5x10.5, 22 lbs. #MD9-MDN, used-good condition \$35.00



DIP EXTRACTOR



DIP EXTRACTOR PLIERS for easy and non-damaging vertical removal of 4 to 48-pin IC's from sockets or desoldered PC boards. Spring-loaded pliers are made of anti-static plastic with metal extractor teeth; 5x3.4. Techni-Tool #4916, NEW, \$5.95; 2/#10.

COLECO JOYSTICK

COLECO JOYSTICK/CONTROLLER, features joystick with two independent fire buttons and 0-9, #, # keypad. One foot coil cord extends to 3 feet, DB-9 connector as on popular joysticks. Output lines are diode matrixed, but may be rewired for popular computer/game machines. 2 lbs; #JS-CO-CO, \$3.00 ea. 2/#5.00



50K JOYSTICK

JOYSTICK with four 50K ohm potentiometers having fixed center-taps; smooth ball action. Brushed aluminum handle; 2 1/2 x 2 1/2 x 2 1/2. #JS-50K-LIB NEW \$5.95



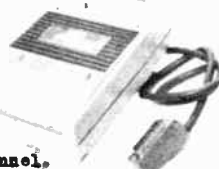
BALLY ARCADE BOARD

Part of home arcade game; has Z80 CPU, 2364, 8/4027, 7416, 08B1LS95 and 74-series LS00, 2/LS02, LS04, 2/LS10, 2/LS74, LS174, 2/LS257, LS376; 14.318 MHz xtal and other parts. No data; 8.5x11, 2 lbs. #Z80-90701-B620, NEW \$4.50



DATA CASSETTE

DATA CASSETTE RECORDER, adaptable for use with most microcomputers having RS-232 input. Functions: Eject, Record, Rewind, Ready, Forward, Stop, Read-from-Tape, and Write-on-Tape. Tape speed 1-7/8 ips, 4-track 2-channel. Similar to Monroe Model 398. Requires -12 -3 1/2 V. Includes 3' cable w/DB-25P plug & book. 6x5x3, 4 lbs sh. #DC-REC, unused, \$29.95 \$15.



ARCADE JOYSTICK, p/o SUPER ZAXXON® by Sega; heaviest-duty metal stick with trigger and four SPST norm-open FIRE buttons. O/a 9x24x10, 18#. #AJS-SZ, NEW, \$19.95



DATA COMMUNICATIONS

COMMUNICATIONS PC ASSEMBLY from a premier U.S. mfg; appears to be a high power modem deck featuring socketed featuring socketed PP34C132 & PP34C-103 special EPROM and five 2716's plus soldered 8085 CPU and 8155 I/O-timer. Has 7 push switches, 8-LED indicators, and two 8-pgs DIP switches on front and five DEC-9S connections on rear. Also 70+ Cmos, 74LS, and also soldered IC's, 4-transformers, 3-inductors, three 24 VDC relays, and 18.432 MHz xtal. Sold for experimental use only; no info available. 7.3x11 x3, 5 lbs. #RM-4401-246AE, used, \$14.95 \$9.95



WHISTLE/SOUND ACTIVATED

WHISTLE/SOUND ACTIVATED SWITCH, alternates on-off latching operation. Can be used to control lights, TV commercials, robots, etc. Ten transistors; 2 1/2 x 3-1/8 circuit board with microphone and schematic. #AST-968S3, \$1.50 each.



TIME-TEMP SIGN PCB'S

SCR/TRIAC CONTROLLER BOARD with seven each 400 V 4 A SCR's and 200 V 6 A triacs. SCR's trigger the triac gates with a 50 m-sec 16 V pulse that holds all triggered triacs "on" until 24 VDC to SCR's is reset. Originally p/o time-temp sign. 6x6x2, 1 lb. #ASI-CMC27, w/schematic \$5.50 \$3.



FISH TANK



FISHTANK OF ELECTRONIC COMPONENTS, p/o VIDEO TAPE SYSTEM. CONSISTS OF DEMODULATOR, SERVO-AMP, DROPOUT COMPENSATOR, PER/POST PROCESSOR DC POWER SUPPLY (115 V 60 HZ; OUTPUT -12/-12 VAMP REG, 5 VDC 1 AMP UNREG. MANY PARTS, IC's; FET, TRANSISTORS, TRANSFORMER VARIABLE RESISTORS, CAPACITOR MORE! SIZE 14x12x6 1/2 WT 15 \$9.95

2 for \$16.

ZENITH CRT

12" DIAGONAL GREEN VIDEO DISPLAY, p/o Heath/Zenith H/Z-100 microcomputer; includes HN1210P31AU CRT and PC board with adjustable Focus, Brightness, Vert-Size, and Width. Requires 12 VDC and external vert- & horiz-synch. No frame or AC supply. 13 lbs sh. #DJ12NK4, NEW, \$12.95



JOYSTICKS & PADDLES

IBM® JOYSTICK for PC Jr®; usable with other computers and equipment. High quality item contains two 100K pots with mechanical mode switches to select spring return or free movement. Also trim adjust for each axis and two "fire" buttons. 1.9" o/a stick length; base 4.3x4x2, 2#. #JS-PCJR, NEW \$12.95; 2/#23



KRAFT COMPUTER PADDLES designed for use with PC's; each with 100K ohm adjustable pot FIRE button, and 4.5 ft joined at one male DB15 connector. Each 4.3x x3; 4 lbs. #KR820-005, NEW, \$6.95 per pair.



ACTION JOYSTICK

with fire button; eight direction action. Has 3.5 ft 6-conductor cord with DB-9 connector; rewired for computer/game machines. 3.6x4.6x 3.1, 2 lbs. #MA-ACT-JS, NEW, \$2.95 ea; 2/#5.



AUGAT PROTO PC BOARDS

AUGAT UNIVERSAL IC PACKAGING PANELS for prototyping circuits using 14- and 16-pin IC's; usable with some larger IC's (40-pin) by straddling rows. Each has gold-plated wire-wrap contacts, V & G sleeves, and 1/16" thick glass epoxy. Mating connector not available. NEW: #B136-U6V-1, 12 rows; 4x6.5, \$45 ea \$24. #B136-U6V-2, 28 rows; 9.3x6.5, \$29.50 \$45. (Current Augat catalog list \$85+ and \$180+!)



HOSPITAL INTERCOM BOX

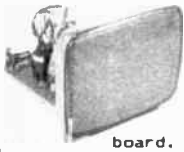
INTERCOM CONTROL BOX an experimenters delight, this item was part of hospital desk-patient communications system. 8x5.6x2 aluminum box has licon 10 amp lighted-push switches; two SP momentary 0.8" sq, one 0.8" sq and one SP mom 0.8"x1.5", 2 1/2" dia 8 ohm speaker, volume control, and 7x4.5 circuit board. Board has socketed Sigma 70R Series 2 and relays 2/4PDT and 1/4PDT, two Triacs 1/4 2000 ct; 16/8/4 ohm A transformers, and socketed IC's LM311, 2/LM339, MC14001, MC14011, MC14028, MC14042, MC14585, 3/MOC319 ULN20D4; 4 lbs sh. #MID-IC-BX, used, \$9.95 \$6.95



CABINET & CARD RACK

CONTINUITY SCANNER. General Engineering BSR Dual 192; has 5 VDC power supply with Signal #241-7-16 16 VCT 3.5 A transformer, adjustable card rack, 8 circuit cards which contain 170 (50 socketed) CD4000 /74LS-Series IC's including 52 UHP-400-1 Quad 2 input power driver, five miniature toggle switches, and nice modern cabinet. Interesting experimenter item and/or good parts source. No further info. Panel 8.75x19 x13, o/a 11x20.5x14.5; 35 lbs. Used, \$39.50





AMBER DISPLAY

9" DIAGONAL AMBER VIDEO DISPLAY made by Elston for the Columbia Data portable; includes CRT and circuit board. Not composite; requires external horiz-drive & vert-synch and reg +12 VDC. 6 lbs. #AMB-CLA, NEW w/schem., \$22.95 #DM30-0980415-C31, as above but green \$17.95

SEMICONDUCTORS

8085 CPU, \$2.50 2114 RAM, \$1.00
3341 FIFO, \$1.50 AYS-1013, UART \$2.95
RC4558 2-op-amp 4/51 CD4069 CMOS, 3/\$1.00
S14K-130 20 A MOV \$1.
FPA103 light reflective transducer, \$.75 ea
LM-340T12 with heatsink \$1.25
LM317T 2-77 V reg \$1.50 LMT19N op-amp \$1.50
MPSA14 NPN darl 5/\$1.
2N2222A NPN 6/\$2. 2N4126 PNP lo-no 6/\$1
2N6346 unijunct 75¢ TIP120 NPN darl. 75¢
TIP140 NPN darl. 95¢ TIP142 NPN darl \$1.00
TIP145 PNP darl \$1.00 7808 8 v reg., 3/\$1.

DIODES & BRIDGES new/unused removed f/equip:
MOV #V150LA10A. 150 VAC VDC 45 joules, \$1.
#KBH25005, 25 amp 50 volt bridge, \$1.35
#KEPC6005, 6 amp 50 volt bridge, \$1.00
#KS19404 DIODE 100 V 50 A; no heatsink \$2.

1 AMP 50 FIV 20/\$1. 35 AMP 50 FIV \$1.80
400 FIV 15/\$1. 100 " 2.10
1000 FIV 10/\$1. 400 " 2.25
5 AMP 800 FIV, \$1.75 1N3890 100V 12A 4/\$3.
1N21 diode, \$1.00 ea ZENERS, 1 W: 3.3 3.9
MF-Series, 6 amps: 4.1 10.2 V 4/\$1.
11.6 12.0 V 3/\$1.
MR752 200 " \$1.10 1N2974B, 10 W 10 V
MR754 400 " 1.25 5% stud mt. \$2.35
1N1357A ZENER, 10 W 18 V 5% rev-polarity \$1.
VA20 VTA200/S 200 V 25 amp bridge rectifier,
c.t. cathode, stud mount, \$1.00 ea. 4/\$3.
#50-100A RECTIFIER, 50 V 100 A conservative;
no hardware or pigtail. House #; 2x1". \$2.
#3C084-A (-AR=reverse) DIODE, 300 V 84 A. \$5.

LED'S RED, T-1 1/2 size 8/\$1. GREEN 6/\$1.
DARK RED, HP5082-4697, 6/\$1.00
7-SEGMENT NUMERIC DISPLAY, com-
mon anode, lefthand decimal HP5082=7730 \$1.
SLA-2 DISPLAY; .33", - or -1 and 1, 2/\$1.00

IC SOCKETS

8-pin low-profile 5/\$1.
14-pin wire wrap 6/\$2.
14-pin standard 5/\$1.
40-pin 1 p. \$1.00
16-P wire wrap 6/92.
16-pin 1 p. 5/\$1.
18-pin 1 p. 4/\$1. 20-pin 1 p. 35¢
22-pin 1 p. 3/\$1. 24-pin 1 p. 40¢
24-pin std. 50¢ 28-pin 1 p. 45¢
28-pin std. 60¢ 40-pin std. \$1.00

JUMPERS

PCB jumpers, unused.
44-40P2; two 40-pin, 23" long, \$4.25 \$3.25
43-16P1; one 16-pin, 12" " 1.50 3/\$3.
44-16P2; two 16-pin, 48" " 2.00 2.40
43-24P1; one 24-pin, 12" " 2.00 1.50
60-24P2; two 24-pin, 2 1/2" " 2.50 1.75

RS-232 CABLE

5 ft 25-conductor with male DB-25P and female DB-25S; 3#. #CB-RS232-5 used, \$8.

TEXAS INSTRUMENTS SEMICONDUCTOR MEMORY DATA BOOK (1975), 272 pages, \$1.00

COPPERCLAD PCB

SINGLE-SIDE copperclad etching board for making printed circuits. Phenolic (PH) or fiberglass (FIB) backed:
#PH-4"x18", \$.75 ea; 4/\$2.50
#PH-16x18, \$2.75 ea, 5/\$10.
#FIB-16x18 single-sided, \$3.50 ea, 5/\$12.
#FIB-15x12 double-sided, \$2.65 ea.

VERY THIN COPPERCLAD, less than half thickness of above; easily flexed to make cylinders, RF shield, or laminates; fiberglass core. Single-sided (SS) or double-sided (DS).
#VTC-SS-14"x18", 0.019" thick, \$2.00 ea
#VTC-SS-18"x24", 0.015" th, \$2.25 ea, 5/99.

8088 PROCESSOR BOARD



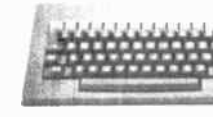
BETACOM PROCESSOR BOARD, originally part of the Pro Communications box above; we do not know its designed capabilities but it is "loaded" with popular components such as socketed 8088 MPU, 8203-3, and eight 27128 4K EPROMS. Also soldered 4/8255A, 2/8255-5, 2/8255A-5, 8259A, 82B4A, 8/4164 20 DRAM, and 85+ assorted 74-, 74LS-, and 14-50 IC's. Sockets for additional five 27128; 2.4 N.C. header. 14x10, 3 lbs sh. #8088-PCM, NEW, \$150.00.

CORTRON KEYBOARD

with ferrite core key switches. Has standard 54-key typewriter format, 12-key numeric pad, and 17 entry keys (4 unmarked). Buttons: scotch-brown and beige keys; looks like a typewriter. With 15 2/7403, 7405, 74105, 2/74105, 743287, 3/741500, L302, 2/L304, 2/LS10, LS58 LS11, LS14, LS20, 4/LS74, 2/LS93, CA3088, M0E35P, and 80-551276 controller. Requires +5 and +12 VDC. No further info. 6 1/2x18 1/2, 4 lbs. #55-500 65 NEW \$24.95 \$6.



SPERRY KEYBOARDS



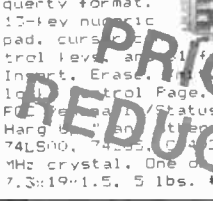
84-KEY MICRO-SWITCH KEYBOARD, standard qwerty format with 13-key numeric keypad; 15 red control keys. IC'S SW-10667 MC836P, 3W-20339K controller. Grey keys and case; 7 1/2x18 1/2 1/2 4 lb. #84-SD12-14 used \$26 \$12. #8129302, same as #84-SD12-14 except with Japanese KANA symbol characters; NEW \$40 \$15.

8048 CPU KEYBOARDS



MICROPROCESSOR CONTROLLED KEYBOARDS. features 8048 controller, an 8-bit CPU, ROM, RAM, I/O package with 1KB ROM, 64KB RAM, and 27 I/O lines. Compatible with 8048 Series peripherals; 5 V required. 74LS163 MICROSWITCH KEYBOARD contact unit with 33 standard control keys plus control functions: Erase Display, Home, In Disp Delete in Line, Insert, EOD Erase, EOP Char Erase-Xfer, Ctrl Page-Print, On/Off Msg-Wait, Cursor direction, etc. IC'S 74H04, 7442, 8048 & 5.904 MHz xtal 3' cord w/DEC9S. 9.5x15x3. 5 lbs sh. #2825479, NEW, \$24.95 \$9.

CORTRON 110-KEY MULTI-FUNCTION KEYBOARD



with qwerty function format. 13-key numeric pad, cursor control keys, and 17 function keys: "Delete, Insert, Erase, Print, Ctrl Print, Hboard Undo, Ctrl Page, Ctrl Set, FDD Clear/Search, FDD Error Status, FDD Generate/Msg Wait, Hang Up, and others. IC'S CD4051, LM397, 74LS00, 74LS02, 74LS04, 74LS08, 8048, 6.00 MHz crystal. One of 3 keys is a "re-ect." 7.3x19x1.5. 5 lbs. #28-911, \$19.95 \$7.

FULL RANGE SPEAKER



HIGH QUALITY FULL-RANGE 4 OHM SPEAKER. 5.25" dia is nice auto size. Response 55-20000 Hz with 30 watts nominal (45 W max) rated. Has inner tweeter cone and large 3" dia x 7/8" H magnet; 3 lbs sh. #A-SP5330, NEW \$14.95

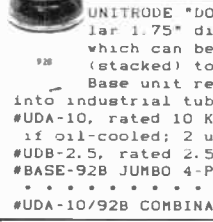
BUDGET FULL-RANGE SPEAKER. 4.6" dia, 8 ohms. Rated 5 watts, 85-12000 Hz response. Use as monitoring speaker. Magnet 2.4" dia x 7/8" H, 2#. #A-SP465, NEW, \$6.

BETACOM PROJECT BOX

BETACOM PROFESSIONAL COMMUNICATIONS MANAGER BOX, originally when it had all of its circuit boards, which controlled serial and parallel printer, CRT, and 80/20 baud modems. Is great for the 4.8x10.8x15.8 enclosure only with 5 V 3 amp modular and a single 25 V power supply as a project box. Nice clean front panel. Circuit boards available separately; no info. 16 lbs sh. #PCM-BOX, unused, \$24.95 \$20.



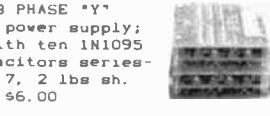
'DOORBELL' RECTIFIER



UNITRODE "DOORBELL" RECTIFIER, modular 1.75" dia high voltage rectifiers which can be screwed into one another (stacked) to attain desired rating. Base unit required which would plug into industrial tube socket; 1 lb sh each: #UDA-10, rated 10 KV 1 amp (in air), 1.4 A if oil-cooled; 2 uA max reverse, NEW, \$12. #UB0-2.5, rated 2.5 KV 3 A (in air), \$10. #BASE-92B JUMBO 4-PIN BASE for above, \$6.95
#UDA-10/92B COMBINATION PRICE, \$16.95

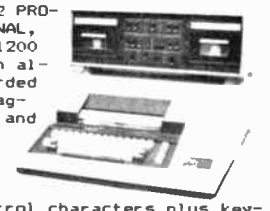
HIGH VOLTAGE DIODE 3 PHASE 'Y' BRIDGE

from 200 VDC power supply; 6 submodules each with ten 1N1095 diodes and five capacitors series-parallel. 3.3x2.3x3.7, 2 lbs sh. #1540/ARC-58, used, \$6.00



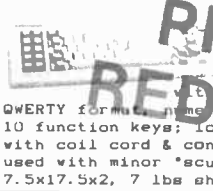
TI-742 PROGRAM TERMINAL

TEXAS INSTRUMENTS 742 PROGRAMMABLE DATA TERMINAL, ASCII terminal with 1200 baud modem card which allows data to be recorded onto digital-grade magnetic tape cassettes and later transmitted to another terminal or central computer. Keyboard has 68 printable and 33 control characters plus key-punch-type numeric cluster. Printer utilizes 5x7 dot matrix head and prints on 8x11 thermal paper. Dual cassette deck storage 288K characters/cassette min; 800 BPI, 86 character block phase-encoding. Off-line playback or record @ 30 char/sec; tape duplication @ 200 char/sec. On-line play/record @ 110, 150, 300, or 1200 baud. Requires 115 VAC 60 Hz; 14.6x21.2x19.5, 70 lbs. Sold "AS-IS" used-complete w/info, \$89.50; less modem card \$55 + + + + +
PRINTER TERMINAL only from TI-742 less modem card; modify for stand-alone use. 45#; \$30. DUAL CASSETTE DECK with control panel from TI-742; 32 lbs sh. #2CD-TI742, used, \$35.00



TI-732 KSR DATA TERMINAL, similar to 742 printer but for TTY communications. Five level baud code, 20 mA neutral loop. Send-receive speeds 50, 75 or 100 baud (6.67-10-13.33 cps). Upper case only 37-key QWERTY keyboard; 55 printable characters & 5 print functions. Adapt to RS232C interface or acoustic couplers; 45 lbs. Unused, \$135.00

KEYTRONICS PC KEYBOARD



KEYTRONICS 51-SERIES KEYBOARD used with Columbia Data personal computer and is fully compatible with IBM and "clone" PC's. QWERTY format, same as a computer keyboard, 10 function keys; low profile, light color with coil cord & connector. Unused, slightly used with minor "scuffs" but test "OK". 7.5x17.5x2, 7 lbs sh. #CD-KEY-51, \$49.95 \$39.

SIDE-CUTTER



BAHCO PRECISION SIDE-CUTTER for close cuts of 1.2 mm copper wire. Joint pressure adjustable; cut ends retained by wire holder. Top quality; Swedish-made. 4.5"L, 2 lbs. #B-SC-2132-4, NEW, \$8.95



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100-TURN COUNTER

100-TURN COUNTER with CRANK, turns from 0.1 to 99.9; front plate 3"x3". Shaft 2.3"Lx0.25" dia; coupler included. 3 lbs sh. #CR100T-339, used, \$18.95
 #KN100T-339, 100-turn counter with knob instead of crank, \$16.95
 #KN10T-939 10-turn count w/knob, \$12.95

DUAL 100-TURN COUNTER on 5.9"H x 10.3"W panel with spin crank knobs; counters marked LOADING and TUNING. One counter has geared-drive offset 5.1"; gearring can be disabled for direct-drive. O/a 14"W; 7 lbs. #100T-368, used, \$20

ANTIQUE TUBE



RAYTHEON TYPE B with brass base & tipped glass; circa 1927. Most have no printing on base; 4.3" H, 1 lb sh. #RAY-B-NP, no print, \$7.50
 #RAY-B-WP, with print, \$15.

ENCLOSURE

STEEL ENCLOSURE with metal feet and hasp fasteners. Nice 6.5x9.3x5 size for variety of projects; 5 lbs sh. #ENC-RM39, \$3.00 ea; 2/\$5.



STOVE CLOCK

STOVE CLOCK TIMER, easy-to-read mechanical digital clock. Start-Stop clocks & 60 minute timer; 115 VAC 60 Hz. Panel 5x6x2.8, 3 lbs sh. GE#1317675, unused, \$5.95

VARIABLE INDUCTORS

ROLLER INDUCTOR, 14.3 uH; 24 turns #12 tinned-copper wire in 3.3"Lx2" dia coil. Roller contacts; less coupler. Shaft 3/8"Lx1/4" dia. O/a 3x5x6, 4 lbs. #339-L44-MED, used, \$28.
 ROLLER INDUCTOR, 6 uH, 12 turns #12 T-C wire in 1.5"Lx2" dia coil. Uses sliding contactor on glass rod. Shaft: 3/8"x1/4" dia; o/a 8x8x14, 18 lbs sh. #939-L6-LG, used, \$35.00
 ROTARY INDUCTOR, 103 uH; 61 turns #10 T-C wire form 8.75"L x3.4" dia coil. Uses sliding contactor on glass rod. Shaft: 3/8"x1/4" dia; o/a 8x8x14, 18 lbs sh. #939-L6-LG, used, \$35.00

COAXIAL RELAYS

DOW KEY SPDT COAXIAL RELAY, 115 VAC coil and three UHF connections. RF Power rated 1 KW @ 100 MHz, 750 W @ 400 MHz. 3.5x2.5 x1.1, 2 lbs sh. Used: #DK-60-262842, two auxiliary contacts, \$21.95
 #DK-60-2604, no auxiliary contacts, \$19.95
 ENCLOSURE for one relay, 5.5x4, #ENC-DK, \$5.

ANTI-INTRUSION

AN/GSQ-151 ANTI-INTRUSION ALARM SET, portable, wire-less battery powered set designed to detect personnel and equipment movement in the field. Consists of four detector sets with geophone stake on 8' cable, a receiver and alarm headset. Detectors are positioned with geophone placed in earth. Detected movement is transmitted in pulses @ 148.02 MHz; different pulse rates identify each detector. Receiver converts pulse to differentiated audio tone for the headset so that user can determine area of intrusion. Detector sensitivity movement range selectable 8, 15, 50, 70, and 130 feet. Transmit range to 1 mile (ideal conditions). Designed to operate in extreme environments. Detectors and receiver each require two 9 V transistor batteries (not supplied); 3x5.5x1.8 each. Detectors may have broken stake holders. 10 lbs sh. Used-excellent, \$350.00

TX EXCITER

EXCITER DECK from T-368 transmitter, includes tunable VFO, multiplier, and Band Selector for 1.5-3, 3-6, 6-12, and 12-20 MHz. Uses type 6000 tube as power amp to excite T-368's 4-400A tube. With proper voltages, exciter functions as 5 watt CW transmitter. Requires -55, +150, +275 VDC, and 6.3 VAC plus +370 VDC, 26.5 VAC for 6000 tube. With tubes 3/6AH6, 2/5749, 6000 and schematic. 5.8x10x10.8, 15 lbs sh; used, #EXC/T368, \$75.00; Without 6000 tube, \$34.95

CY-684 BOX

CY-684 SPARES BOX, hinged with hasp fastener; space for mini- and GT-size tubes and vibrator. P/o GRC-3-8; 3x10.3x5, 3 lbs. Unused, \$9.95

CS-76 CANVAS BAG, handy "six-pack"-size (7x10x8) perfect for carrying parts at ham-fests, ammo for the hunter, etc. Has adjustable strap; 3 lbs sh. #CS-76, \$4.00
 #CS-76L, canvas with leather corners, \$4.50
 #CW-189, like CS-76 but 9x10x10, used \$7.94

TMC SSB CONVERTER

CV-1758 SSB CONVERTER (TMC MSR-9) for 2-32 MHz receivers with 455 KHz IF like the R-390A and SP-600-JX. Operates USB, LSB, AM, CW, FSK and FAX. Input voltage 0.1 to 10 V-rms; impd 240K ohm. Bandspread +/-3 KHz; Slow/Fast AVC. Output constant within 9 db with 40 db input change. Output impd 8 or 600K. Requires 115/230 VAC 60 Hz. 5.3x19x13.5, 30#. Used-reparable, \$165.00
 MANUAL for CV-591 (MSR-4) similar but not identical to CV-1758, partial repro, \$8.50

ANTENNA TUNER

BC-939 ANTENNA TUNER, used with BC-610 2-18 MHz transmitter. Two 100-turn counter dials "tune" 2-10 and 10-18 MHz; 10-turn counter adjusts coupling. Has variable inductors 103 uH, 14.3 uH, and 1.3 uH. Also fixed vacuum capacitors 12 pf 32 KV and 50 pf 20 KV, and 3.5" dia 0-15 RF ammeter. 11.3x14.5x23.5, 55 lbs sh. Used, \$115.00
 TN-339 TUNER, similar to BC-939 except used with 2-20 MHz T-368; has 100-turn counter & 6 uH inductor for Coupling. Used, \$125.00

MILITARY HEADSETS

1000 OHM HEADSET, similar to military H-140 except with long 15' cord with 1/8" dia mini-jack instead of U-229 plug. Comfortable 4.5x3.5 vinyl-air cushions & adjustable headband; 3 lbs. #HS-GIC/RRE, unused, \$12.95
 HS-33 HEADSET popular military 600 ohm set with ANHB-1 or similar elements. Includes brown HB-7 headband with 18" cord & PL-354 plug plus a pair of MC-162 2.5" dia rubber cushions; 2 lbs sh. Unused, \$19.95
 M301 4" CHAMOIS CUSHIONS, \$5/pr
 CU-307 65" CORD for HB-7, \$2.00

DC-300 KHZ SCOPE

HEWLETT-PACKARD 1.00B X-Y SCOPE IC to 300 KHz single trace with large 5AQP2 CRT; easy-to-use and low priced! Vertical and horizontal sensitivity 1 mV to 50 V/cm in 17 calibrated steps, 1-2-5 sequence; vernier to 125 V. Sweep 1 usec to 5 sec/cm in 21 steps; vernier to 12.5 sec. Input impedance 2 megohms shunted by 25 pf. Calibrator 300 mv P-P, 300 Hz squarewave. Requires 115/230 VAC 60 Hz; w/partial repro book, 15x9.8x21.3 49 lbs. Used-reparable, \$90. Checked, \$145.



Fair Radio Sales Co., Inc.

OUR 28th YEAR

World's Finest Government Surplus ELECTRONICS

CATALOG
WS-75

ELECTRIC MOTORIZED WHEEL



ELECTRIC MOTORIZED WHEEL WITH 6VDC MOTOR & HEAVY DUTY GEAR BOX, REVERSIBLE APPROX. 50 RPM NO LOAD, 1 AMP. 3 AMP. LOADED, 6 AMP STALL. RUBBER TIRED WHEEL 5" X 1 1/2", TOP OF FORK TO BOTTOM OF WHEEL 6 1/2", 2 1/2 X 5/8" CUP TOP OF FORK AND 6 1/2 X 3/4" TUBING ABOVE CUP. ALL METAL CONSTRUCTION INCLUDING GEARS EXCEPT MOTOR ENDS ARE HIGH IMPACT PLASTIC & TIRES. NET WT. 3 LBS. PRICE: \$7.95 EA. 2 FOR \$15. NO. 6VDC-P HAS MANY USES

EQUIPMENT DOLLY, WHEEL CHAIR, CAR, FISHING REEL



MOTOR & GEAR BOX ASSEMBLY NO. RS-85 SIMILAR TO UNIT USED ON ELECTRIC MOTORIZED WHEEL ASSY DESCRIBED ABOVE, EXCEPT THIS UNIT HAS PLASTIC GEARS & GEAR BOX. OPERATES FROM 6 VDC BUT WILL RUN ON 2 VDC TO 12 VDC WITH VARYING SPEEDS OF 50 TO 250 RPM DEPENDING ON LOAD AND VOLTAGE USED. MOTOR IS ALSO REVERSIBLE.

SIZE: 3 1/2 X 2 1/4 X 4 1/2; WT: 1 LB. AMER. #12283C \$4.50

DISTORTION ANALYZER



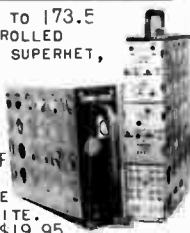
HEWLETT-PACKARD DISTORTION ANALYZER MODEL 3303R.

WILL GIVE QUICK ACCURATE MEASUREMENTS OF DISTORTION AS LOW AS 0.1% AT ANY FREQ FROM 20 CPS TO 20,000 CPS

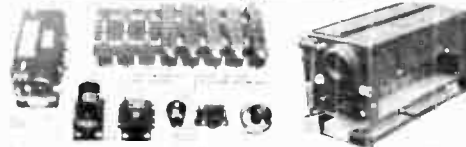
IT WILL MAKE NOISE MEASUREMENTS OF VOLTAGES AS SMALL AS 100 MICROVOLTS. THE ANALYZER HAS HIGH SENSITIVITY AND HIGH STABILITY. ITS CIRCUIT 20 DB AMPLIFIER, OSCILLOSCOPE TERMINALS, AND PRECISION VACUUM TUBE VOLTMETER WHICH IS USEABLE SEPARATELY. EXCEPTIONALLY USEFUL FOR ALL KINDS OF AUDIO MEASUREMENTS IN RECORDING, BROADCAST, MOTION PICTURE, LABORATORY ETC. SIZE: 8 1/2 X 19 1/2 X 13 1/2 (RACK MOUNT); WT: SHPG. 40 LBS. PRICES: USED REPAIRABLE \$225 CHECKED \$275

TRANSISTORIZED RECEIVER

R-962 RECEIVER V.H.F. 162.5 TO 173.5 MHZ IN SIXTEEN CRYSTAL CONTROLLED CHANNELS. DOUBLE CONVERSION SUPERHET, THAT CAN DETECT A.M., F.M. & VIDEO SIGNALS. RECEIVER CONSISTS OF 5 PLUG-IN MODULES OF PRINTED CIRCUIT ASSEMBLY NO TUBES ARE USED. 18 VDC CONVERSION FOR 2 METERS, VHF WEATHER, SATELLITE TV ETC. SEE INFORMATION CO MAGAZINE OCT. 74. BY GORDON ELIOT WHITE. SIZE: 7 1/2 X 2 1/2 X 10; 5 LBS. USED \$19.95



RU-18 WWII RECEIVER



RU-460480 NAVY AIRCRAFT RECEIVER USED IN WWII TRF TUNED RADIO FREQ. TYPE, COVERS RANGE OF 195 TO 13,575 KC BY USE OF PLUG-IN COILS, HAS LOCAL OR REMOTE TUNING CONTROLS, SENSITIVITY, LOOP & REG. ANT. CONT. WITH TUBES 3/78, 2/77 & 1/38233. TUBES ARE 6 VOLT, SET WAS DESIGNED TO OPERATE FROM 12-14 V. FOR FIL. & APPROX. 250 VDC @ 50 MA. FOR HV.

PRICE: RECEIVER WITH TUBES, LOCAL TUNING KNOB, PLUG & CHOICE OF 5 COILS LISTED \$29.95

ACCESSORIES FOR THE ABOVE RECEIVER

COIL O & P DUAL	195-490/290-435	KC	\$2.95
" L & N "	400-500/6000-9050	"	"
" C & G "	540-830/3000-4525	"	"
" Q & M "	540-830/5200-7700	"	"
" U "	SINGLE 850-1330	"	"
" E "	1330-2040	"	"
" Q & F DUAL	540-830/2040-3000	"	"
" H "	SINGLE 4000-6000	"	"
" K "	9050-13,575	"	"

CW-46011	SHOCK MOUNTING BASE	1.00
M-23057	CONTROL BOX FOR REMOTE USE PLUG TO FIT CONTROL BOX	1.50
CW-23012	REMOTE TUNING HEAD W/DIALS	1.75
MC-124	FLEX. SHAFT FOR REMOTE USE 20"	1.50
CW-21215	DYNAMOTOR FOR 12 VDC W/PLUG	5.95
CW-22265	TEST METER IN CASE 0-35 MADC 2 1/2" METER RD. WITH PLUG.	3.95
CW-62017	JUNCTION BOX W/4 PLUGS.	3.00
SPARE TUBES: 77, 78 OR 38233 EA. \$2 SET(6)		9.00

EQUIPMENT LISTED ABOVE IS UNUSED FROM WWII

PANORAMIC ADAPTER

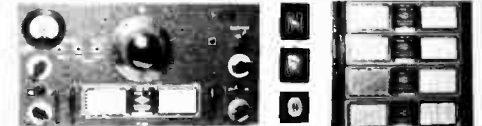


RU-10-2 PANORAMIC ADAPTER; FOR USE WITH RECEIVERS HAVING A I.F. FREQ. OF 5.25 MC. AND WILL PERMIT THE OPERATOR TO VISUALIZE A PORTION OF THE RECEIVED SIGNAL ON THE 3" CATHODE RAY TUBE

THE SIGNALS DISPLAYED WILL BE 500 KC BELOW & 500 KC ABOVE THE FREQ. THAT THE RECEIVER IS TUNED TO. ADAPTER ALSO HAS THE USUAL CONTROLS USED WITH OSCILLOSCOPE OPERATION PLUS 500 AND 1000 KC SWEEP CONTROL. VOLTAGE REQ. 115V 60HZ. WITH TUBES 2/6A7, 1EA. 6SA7, 6SG7, 6SL7, 6SQ7, 6X5, 2X2, 0C3 & 3AP1 CRT. SIZE: 13 1/2 X 8 1/2 X 15; WT: 45 LBS.

PRICES: USED REPAIRABLE \$49.50 MANUAL \$7.50

NATIONAL RECEIVER



H R O RECEIVER 900 KC TO 30 MC WITH PLUG-IN COILS: 930-2050 kc, 1.7-4.0 mc, 3.5-7.3 mc, 7.0-14.4 mc; 14.0-30.0 MC. SUPERHETRODYNE FOR CW., MCW., PHONE. THIS IS ONE OF THE ALL TIME GREATS OF AMATEUR RECEIVERS AND FOR THE PRICE YOU CAN NOT BEAT IT TO-DAY. TUBE LINE-UP IS 606 1ST & 2ND R.F. 606 1ST DET & HF OSC. 606 1ST & 2ND I.F., 606 BFO., 6B7 D-DET. AVC, 1ST AUDIO & 42 AUDIO OUTPUT. LARGE 5" DIAL, "S" METER, 2000 OHM, 500 OHM & 500 OHM PHONE AUDIO OUTPUT JACKS ON FRONT PANEL, PHASING, R.F. AUDIO, CW. CONTROLS. POWER SUPPLY REQUIRED 240 VDC @ 70 MA. & 6.2 VAC @ 3.4 AMPS.

SIZE: 17x9x10; SHPG. WT. 77 LBS. IN WD. BX. AS RECEIVER RE-COND. FROM CANADIAN GOVT. OR SHPG. IN CARTONS 50 LBS. \$125.00 MANUAL \$5

WE HAVE MADE A 115 VOLT 50 CYCLE POWER SUPPLY FOR THIS REC. WITH SPEAKER (SEE P. 20) \$23.00

LED - SUPPLIES - NIKAD BATTERY

OPLOK LED .33 INCH READOUT REQUIRES 7447 DRIVER. SLA-1 7 SEGMENT 0-9 & DECIMAL SLA-2 PLUS, MINUS & ONE \$2.00 EACH 3 FOR \$5.00



TRIPLET No. 12277 P.S. INPUT: 105-125V 50-400HZ OUTPUT: 5.8VDC @ 310 MA. USED IN BATTERY CHARGER CIRCUITS FOR (4) FOUR NIKAD BATTERIES. \$2.75 EA. 2 FOR \$5.00



NETRONIC No. E5MP P.S. INPUT: 120 V 60 HZ 3MA. OUTPUT: 7.5 VDC @ 150 MA. 9.6 VDC OPEN CIRCUIT \$2.95 EA. 2 FOR \$5.50



BOTH UNITS PLUG INTO AC OUTLET DIRECTLY

NIKAD RECHARGEABLE BATTERIES 1.2 VOLTS 2.0SC SIZE C, GOLLDF4872 \$1.60 EA. 4 FOR \$6.00

VACUUM TUBE VOLTMETER

VACUUM TUBE VOLT OHM METER AC-DC VOLTS 0-1.5/5/50/500/5000 SCALES. OHMS RX1/10/100/1K/10K/100K & RX1M. JACK FOR R.F. PROBE. LESS AC-DC-OHMS & R.F. PROBES. SOLD AS USED REPAIRABLE-NOT CHECKED SIZE: 7 1/2 X 5 1/2 X 4; 5 LBS. RCA WV-97A \$22.50 SIMPSON 311 \$27



ORDERING
INFORMATION
SEE PAGE 2

FAIR RADIO SALES CO., INC.
1016 EAST EUREKA STREET - P. O. BOX 1105
LIMA, OHIO 45802 - TELEPHONE (419) 223-2196

MINIMUM
ORDER
\$5.00

FAIR RADIO SALES CO., INC.

VOLTS-AMPS-MILLI

100-0-100 DC VOLT
300-0-300 DC VOLT
SCALES WITH SHUNTS
AND INSTRUCTIONS
3 1/2" GE-DO-41RAA4
NEW \$4.95

500 MICROAMP DC
MOVE. FACE MARKED
"SET TO RED LINE"
LINE LEFT CENTER
MARKED "6 V" TOP
"150 V" BOTTOM.
3 1/2" ROUND SEALED, RUGGEDIZ.
TELECTRO TM-263.
#6625-255-0121 NEW \$6.95

425 MICROAMPERES
D.C. 4x4 1/2"
SCALE, TOP 0-60
BOTTOM 0-3/15/
60 MARKED ACV
DCV AND MILLI-
AMPERES.
P/O I-135E TEST SET, M-1
#P30033
USED \$6.95

GO - NO GO SCALE
FULL SCALE 1 MA.
3 1/2" RD. RUGGEDIZ-
ED; MARION
MODEL HS3.
#5200 NEW \$5.95

PHASTRON CLEAR PLASTIC
CASE 50 MICRO
AMP D.C. 0-5
SCALE 3 1/2"
#715-16-20
\$4.95 NEW

500 MICROAMPS.
D.C. RES. 300
OHM DC. 1 1/2" SQ.
1-3/8" MTG.
DEJUR MOD. 112
STK#3F3312-6.6
\$4.95

SELSYN METER
FOR CHECKING
LEAD AND LAG.
TERMINALS FOR
115 VOLT A.C.
AND FROM SEL-
SYN. 4 1/2" DIA.
WESTON 543/245620 U \$6.95

MULTIMETER USED
TO TEST AIRCRAFT
CIRCUITS. FULL-
SCALE 100 UA,
1100 OHMS 10%
4x4 1/2x5 WT. 3 LBS
USAF-5200-474900
\$4.95

MICROMHOS DYNAMIC
MUTUAL CONDUCTANCE
USED IN I-177 TUBE
CHECKER BASIC 0-1.4
MA. HICKOK #M547A
STK# 3F1350 \$4.95

TV-2 REPLACEMENT
METER, 0-250
SCREEN VOLTS,
FS-1 MA. 2 1/2" RD.
SEALED. NEW \$5.95

DECIBELS

-10-0-64 6 MW
600 OHMS 2 1/2" RD.
WEST. CO. 2837
NEW \$4.95

-8 to 0 to +6 SC.
6 MILLIWATTS, 600
OHMS, 3 1/2" RD.
WESTON 301/21
USED \$3.95

-10 to 0 to -6 DB; 3 1/2" RD.
VARIOUS MFG. #6625-157-
7802 NEW \$4.95

POWER SET +6 to 0 to -3
2 1/2" RD. FS-200 UA, WAFLINE
1496/400 RUGG/SEAL U \$3.95

U-1 MA 3 1/2" IN WITH
SHUNTS & MULTI-
PLIER RESISTORS
PROVIDE RANGES
LISTED: 0-120,
600 MA; 0-3, 12,
30, 60 AMPS; 0-30, 60, 300, 1200
VDC. METER, SHUNTS, MULTIPLIER
RESISTORS MOUNTED ON TERMIN-
AL BOARDS, REMOVED FROM UN-
USED EQUIP. MS-199 \$14.95

0-500 MILLI-
AMMETER RF w/
THERMOCOUPLE.
3 1/2" RD. METER
IN 4 1/2x4 1/2x3 1/2"
WOOD BOX.
BOX HAS 1" FLANGES FOR SUR-
FACE MOUNTING. WITH SO-239
TYPE CONNECTOR. ORIGINALLY
USED WITH A-66-A ANTENNAS
AND SCR-274 RADIO EQUIPMENT
WT: 3 LBS. UNUSO \$7.95

ROENTGENS
PER HOUR METER
50 MICROAMPERE
D.C. FULL SCALE
3 1/2" RUGGEDIZED
REMOVABLE
PLASTIC LENSE,
BLACK FACE.
TOP SCALE 0-500, LOWER 0-10
#300-10764 UNUSO \$3.95

BALLENTINE
V.T.V.M.
METER
ONLY
AC VOLTS
1-10
DECIBELS
0-20
WESTON 643
4 1/2" OR EQ.
MFG. PT. NO. 205007 NEW
STK#6625-557-0899 \$8.95

OUTPUT METER
FOR TS-497B AND
TS-497C SIGNAL
GENERATORS.
300-0-300 DC
MICROAMPS. 3 1/2" RD.
MARION HS3, #5705 NEW \$7.95

EDGE-WISE METER
0-100 D.C. MA.
FULL SCALE 20 MA
2 1/2x3 1/2x3/4 FACE
INTERNATIONAL 1135ULB \$5.95

MATCHED METERS CHROME PLAT
ED 2 1/2" SQUARE, 2" HOLE MTG.
0-30 VOLTS DC #1046A-12
\$1.95
DC AMPERES 400-0-400 SCALE
INDUCTION TYPE MOVEMENT.
#1696-1B \$1.95

DC AMPERES, 50 MV MOVEMENT.
3 1/2" RD. SPECIFY SCALES.
0-80 DCA, SCALE 0-100 SCALI
C-1/5/25 SCALE/EACH \$6.95

A.C. AMPERES

GE AC AMMETER 0
125 SCALE 0-1 A
400 CYCLE MOVE. 2"
SQ. #2319-6625-
649-1982 NEW \$3.95

0-5 AC AMMETER, 3 1/2" ROUND,
RUGGEDIZED, WESTON 1534
#6625-649-4076 NEW \$5.95

SHUNT
50 MV 15 AMP
S Z E 2x1 1/2x1 1/2
6625-810-6742
UNUSO \$2.50

1016 E. EUREKA
BOX 1105, LIMA, OHIO 45802
TEL: AREA CODE 419 223-2196
STORE HOURS
9:00 A.M. TO 5:30 P.M.
MONDAY THRU SATURDAY

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PRICES NET, F.O.B. LIMA, OHIO
SEND CASH, CHECK OR MONEY
ORDER with PURCHASE ORDER.

MINIMUM ORDER \$5.00
Orders less than \$5.00
ADD \$1.00 HANDLING CHARGE

Include sufficient money for
shipping charges. (UNUSED
PAYMENTS RETURNED AT
ONCE.) Otherwise we will send
shipping charges collect.

C.O.D. ORDERS, SEND 25% OF
PURCHASE with ORDER. BAL-
ANCE will be COLLECTED
UPON DELIVERY.

When writing for information
PLEASE state what specific
information you desire.

D.C. MICROAMPS.

0-200 D.C. MICRO-
AMPERES, 3 1/2"
ROUND. CENTER ADJ
USTMENT. USED
WE#167807 \$4.95

0-200 DC MICROAMPERES, 3 1/2"
RD., RUGGEDIZED, MARION
HS3 #3981 NEW \$4.95

0-200 DC MICROAMPERES 2 1/2"
RD, PLAIN SCALE MARKED CAL-
IBRATE-ZERO. RES. 75 OHMS
#6625-504-2327 NEW \$4.95

CARRIER LEVEL
0-130 SCALE
FS= 130 UA DC
4 1/2" RD. RUGGED-
IZED; WESTON
MODEL 1541
#1168 NEW \$8.95

D.C. AMPERES

0-50 DCA SC. REQ. 50 MV S.
3 1/2" RD. RUGED #8027 NEW \$9

0-5 DCA SC. 2 1/2" RD. RUGGED
WESTON 2521 #6485 NEW \$5.95

DC AMPERES, 50 MV MOVEMENT.
3 1/2" RD. SPECIFY SCALES.
0-80 DCA, SCALE 0-100 SCALI
C-1/5/25 SCALE/EACH \$6.95

0-5 DCA SCALE, 2 1/2" SQUARE,
EMICO RF2C-2202; #6625-909-
0433. NEW \$3.95

30-0-30 DCA PHASTRON RUGGED
50 MVDC MOVE. EXTERNAL SHUN
RFQ. 2 1/2" RD #1708 \$5.95

U-300 DCA 4 1/2" RD. STD.
FS-50 MV. #173030 NEW \$9

30-0-30 DCA PHASTRON RUGGED
50 MVDC MOVE. EXTERNAL SHUN
REQ. 2 1/2" RD #1708 \$5.95

0-450 DCA 1 1/2" SQ. RUGGED.
FS-50MV WESTON1011 NEW \$6

0-3 DCA PHASTRON 2 1/2" RD.
RUGGED. #519-2000 \$5.95

D.C. MILLIAMPS. D.C. VOLTMETERS

0-200 MADC SCALE, 2 1/2" ROUND
DEJUR S-210/MR25200DCMA
USED \$2.95

0-200 MADC SCALE, 3 1/2" ROUND
GE#DO-41/CG-22063
NEW \$4.95

0-250 MA DC, FS-5 MA., 1 1/2"
SQ., VARIOUS MFG., #6625-
504-2250 SEALED NEW \$3.95

0-15 SCALE, FS=10 MA. DC,
2 1/2" RD. RUGGEDIZED, HONEY-
WELL, #0043 NEW \$3.95

0-80 MADC SCALE, 2 1/2" ROUND;
RUGGEDIZED; HICKOK OR MARION
MFG. #6625-539-8274
NEW \$4.95

0-5/10/50 GRID BIAS VOLT SC
0-1 MA. MOVE, D.C. RUGGEDIZI
VARIOUS MFG. #MEB-1001 \$3.95

0-10-500 SCALE, FS=1 MA DC
3 1/2" SQ., SIMPSON,
#6625-842-8885 NEW \$4.95

0-50 MADC SCALE, 3 1/2" ROUND
WESTON 301
USED \$4.95

0-25 MADC SCALE, 0-1 MA.
MOVE. RUGGEDIZED, BLK, FACE
WESTON #1521/GA-52832
USED \$4.95

3 1/2" ROUND RUGGEDIZED MA DC
METERS. NEW. SELECT RANGE:
0-100 MADC #4265 \$5.95
150-0-150 MADC #3498 \$5.95

0-100 DCMA 3 1/2" RD. RUGGED.
FS-100 #4265/8457 NEW \$7.95

0-750 DCMA SC/MOVE 1 1/2" SQ.
BL/PL FACE ROW/2015 NEW \$5.

HONEYWELL MW2
MILLIAMMETERS;
2 1/2" FAN STYLE,
PLASTIC CASE,
NEW \$5.95 EACH
0-15 MA DC, ORDER #7993
0-150 MA DC, ORDER #9015

A.C. VOLTMETERS

0-150 VAC 2 1/2" RD. STD.
USED GR0-3169 \$4.95

0-50 VAC 4-1/8x4-5/8 STD.
#6227 NEW \$9.95

0-3-10-30-100 VAC SCALES(4)
2 1/2" ROUND, RUGGEDIZED, SEAL
ED, FS=1.5 VAC #210-07231
UNUSO \$4.95

0-300 VAC SCALE, 2 1/2" ROUND
WESTON RUGGEDIZED, DIRECT
READING. #3F8300-72 N. \$3.95

0-10 VAC, 2 1/2" ROUND, RUG-
GEDIZED, PHASTRON
#6625-649-4816 NEW \$4.95

0-50 V 1000 CYC. SCALE, 3 1/2"
ROUND GE#VAT4M50
USED \$4.95

MANY OTHER RANGES IN STOCK
0-1 to 0-50, 3 1/2" RD OR SQ
ALSO 2 1/2", SPECIFY SIZE &
RANGE. 2 1/2" USED \$2.95, NEW
\$3.95; 3 1/2" \$3.95 N \$4.95

380 to 420 CYCLES SCALE,
115 VOLT COILS, 5 1/2" ROUND,
FOR USE WITH EXT. REACTOR.
WESTH.#DY/724979 USED \$7.95

0-150-300 VAC 400 CYC, 3 1/2"
RD., RUGGEDIZED, WESTON 1534
EXTERNAL RES. FOR HIGH RANGE
#6625-851-7278 NEW \$5.95

WESTON 2 1/2" RD RUGGEDIZED
0-30 VOLTS DC #1521 \$7.95
0-50 VOLTS DC #2521 \$7.95

0-30 VDC SC. 200 MUA MOVE
3 1/2" RUGG.#527-3097 \$6.95

0-50 VDC 3 1/2" RD. RUGG/STD
6380 OR EQ. \$6.95

0-75 VDC SCALE, 3" RD. PROJ
ECTION TYPE, WESTON 301,
1000 OHMS PER V. #248-7207
NEW \$5.95

0-1.5 VDC SCALE, 2 1/2" ROUND
PHASTRON, RUGGEDIZED #683-
9729 UNUSO \$4.95

0-500 VDC SCALE 3 1/2" SQUARE
HONEYWELL #231-1624
UNUSO \$5.95

0-5 KVDC 3 1/2" RD. RUGGEDIZED
FS-1 MA. 3F1500-13 \$8.95

0-500 VDC 2 1/2" RD RUGGEDIZEI
FS-50 MA #683-9829 \$5.95
FS- 1 MA. #MR26W500 \$5.95

0-100 VDC SCALE, 3 1/2" ROUND
FS=100 V. BURLINGTON#431/
MR35W USED \$4.95

0-500-1000 VDC, FS-500 VOLTS
3 1/2" RD., RUGGEDIZED, WAFLINE
#6625-842-9705 NEW \$6.95

0-150 VDC, 3 1/2" ROUND,
HOYT No. 17-L, UNUSO \$4.95

0-300 VDC SCALE; 2 1/2" ROUND.
RUGGEDIZED, BLACK FACE.
WAFLINE 82056 NEW \$4.95

0-1000 VDC 2" SQ. STD. W/
1000 OHM RES. TRIPOLET #
227-T NEW \$8.95

AC VOLTS PORTABLE
0-15 & 150 SCALES
SUP#1550 USED \$15

OIL - TEMP
INDICATORS
DUAL MOVE-
MENT & COIL
W/8 RES. IN
SERIES/PARA
LEL, 280 MU
AMP AT PLUG
CAN MADE TO READ UP/DOWN
DEPENDS HOW WIRED. EXPER-
IMENTER ITEM FOR MULTI-
CHANNEL STERO USE.
GR0-24 USED \$2.95

R.F. AMMETERS

0-100 SCALE, FS=1
1.2 MA. 2 1/2" ROUND
VARIOUS MFG.
USED \$2.95
NEW \$3.95

0-5 R.F. 2 1/2" RD. WESTON
RING MTG. #8314 NEW \$6.95

0-10 R.F. 3 1/2" RD. 25CYC TO
20 MC. WEST. 4157 NEW \$15

0-15 R.F. 3 1/2" RD. 25-CYC-
20 MC. WEST.0159 NEW \$15

A-61 ANTENNA
DUMMY LOAD
WITH 2 1/2" RD.
0-5 RF AMME-
TER. RES: 5
OHMS, CAP:
.0001 MFD.,

POWER RATING: 50 WATTS.
ALUMINUM CASE W/MOUNTING
RACK. SIZE: 7x5x2 1/2 WT: 3LB
PRICE: USED \$6.95

DC VOLTMETERS

- 0-1 VDC SCALE 2 1/2" RUGGEDIZED FS-IV. NEW # 0887 \$5.95
- 0-10 VDC SC. 1 1/2" SQ. RUGGED FS-50 MV. NEW #0768 \$4.95
- 0-10 VDC SC. 2 1/2" RD. RUGGED NEW #2979 \$5.95
- 0-5-10-20 VDC SC. 2 1/2" PLAIN 500 U.A. FS. NEW #0250 \$4.95
- 0-10 VDC 2 1/2" RD. RUGGEDIZED #9923 NEW \$5.95
- 0-30 VDC. AIRCRAFT TYPE, 2" SQ. AN3203/4782 NEW \$15.00
- 0-30 VDC SC. 3 1/2" RD. RUGGED #3097 NEW \$8.95
- 0-80 VDC SC. 3 1/2" RD. PLAIN 1000 OHM P/V #8142 N \$6.95
- 0-100 VDC SC. 2 1/2" RD. RUGGED #9545 NEW \$5.95
- 0-200 VDC SC. 2 1/2" RD. RUGGED #4197 NEW \$5.95
- 0-200 VDC SC. 3" RD. PLAIN 250 OHM P/V WESTON 301 \$7
- 0-300 VDC SC. 3" RD. PLAIN 1000 P/V WESTON 301 U \$7
- 0-2 KVDC SC. 2 1/2" SQ. PLAIN 1000 P/V #9743 NEW \$6.95
- 0-4 KVDC SC. 3" RD. PLAIN 1 MA. FS. WESTON 301 U \$7
- 0-5 KVDC SC. 3" RD. RUGGED 1 MA. FS. #5733 NEW \$7.95
- 0-8 KVDC SC. 3" RD. RUGGED 1 MA. FS. #9415 NEW \$7.95
- 0-20 KVDC SC. 4x4 1/2" PLAIN 1000 P/V WESTON #9085 \$12
- 0-8 KVDC SC. 4 1/2" RD. RUGGED 1 MA. FS. #3239 \$12
- 0-750 VDC SC. 4x4 1/2" GREY SWBC TYPE 1000 OHMS PER V. WESTON 610 #1505 NEW \$25.

AC VOLTMETERS

- 0-3 VAC 3" RD. SUB-PANEL MT 1000 P/V 2F8003-11 NEW \$7.95
- 0-7.5 VAC 3" RD. NOT-RUGGED WEST#CAY22237 N. \$6.95
- 0-10 VAC 2 1/2" SQ. ST. TYPE. ROUND WESTON 517 N. \$5.95 SQUARE " " N. \$5.95
- 0-15 VAC 3" SQ. ST. TYPE. WESTON 476 N. \$7.95
- 0-20 VAC 2 1/2" RD. RUGGEDIZED #756-1866 N. \$6.95
- 0-50 VAC 3 1/2" RD. ST. TYPE WESTON 476R UN. \$7.95
- 0-50 & 0-300 VAC SC. ST. TY 2 1/2" SQ. #6783 N. \$6.95
- 0-150 VAC SC. 3 1/2" RD. STD. #GR04071 USED \$7.95
- 0-200 VAC SC. 3 1/2" RD. RUGGED. 1000 P/V #0747 NEW \$9.95
- 0-750 VAC SC. 2" SQ. STD. T FS-30 VAC #088-0476 N. \$5.95

TRIO ELECTRONIC A.C. VOLTMETER
MODEL 142-1608
3 1/2" RD. 4 1/2" DEEP
#6625-984-2613
USED \$14.95 NEW \$22.95

DC MILLIAMMETERS

- 0-1 DCMA SC. 1 1/2" SQ. MR13V001DCMA N. \$4.95
- 0-1 DCMA SC. 1 1/2" RD. SINGLE HOLE MTG. INTERNAT. #100V NEW \$4.95
- 0-1 DCMA SC. 2 1/2" RD. RUGGED #4079 NEW \$6.95
- 0-1 DCMA SC. 3 1/2" RD. RUGGED #3228 NEW \$8.95
- 0-1 DCMA SC. 2 1/2" SQ. #0659 NEW \$6.95
- 0-1.5 DCMA SC. 3 1/2" RD. STD. MR34W1R5DCMA USED \$6.95
- 0-2 DCMA SC. 2 1/2" RD. STD. MR26V002DCMA NEW \$6.95
- 0-2 DCMA SC. 3 1/2" RD. RUGGED #4078 NEW \$8.95
- 0-3 DCMA SC. 3 1/2" RD. RUGGED #4081 NEW \$8.95
- 0-10 DCMA SC. 1 1/2" RD./SINGLE HOLE/MTG. FS=1MA #7693 \$3.95 N
- 0-10 DCMA SC. 3" SQ. STAND. FS=10 MA. #7527 NEW \$8.95
- 0-10 DCMA SC. 1 1/2" SQ. WHITE FACE FS=1 MA #3538 N \$4.95
- 0-15 & 0-50 DCMA SC. 3 1/2" RD. RUGGED, FS=50 U.A. MARKED VOLTS/MA #7484 NEW \$8.95
- 0-50 DCMA SC. 3 1/2" RD. STD. #GR0-50 USED \$6.95
- 0-100 DCMA SC. 3 1/2" SQ. STD. #7474 NEW \$6.95
- 0-100 DCMA SC. 2 1/2" RD. STD. 1.2 MA FS 3F910-7 NEW \$3.95
- 0-150 DCMA SC. 3 1/2" RD. STD. CAY22061 USED \$5.95
- 0-150 DCMA SC. 3 1/2" RD. STD. #3088 NEW \$7.95
- 0-300 DCMA SC. 3 1/2" RD. STD. #GR0-300 USED \$6.95
- 0-500 DCMA SC. 3 1/2" RD. STD. #GR0-500 USED \$6.95
- 0-200 SC. MARKED PLATE, GRID BATT. BLK. FACE, FS=1MADC, 2 1/2" RD. ART-13/M-102 U \$4.95
- 0-200 DCMA 2 1/2" RD. BLK. FACI FS=200MA. TCS458N0710 U \$4.95

FREQ. METERS

- 48 TO 52 & 58 TO 62 CYCLES PER SECOND, 3" RD. JRT 30F OR EQUAL. 100 TO 130 VOLTS #5679 NEW \$19.95
- 380 TO 420 CYCLES PER SEC. 3 1/2" RD. 100-130 V. JRT 33-FHX-SERA #5877 NEW \$24.95
- 380 TO 420 CYCLES PER SEC. 2" RD. 100-150 V. FRAHM #2896 #3702 NEW \$22.95
- 0-50 DCMA EDGE-WISE 1x3 1/2x3 IDEAL #458-0667-00 NEW \$4.95
- "V-U" 75-0-75 MICROAMP DC 1" SQ. JAPAN SN-871 \$1.50

DC AMMETERS

- 0-2 DCA SC. 3" SQ. STAND. WESTON 731 #1750 NEW \$8.95
- 0-300 DCA SC. 4 1/2" RD. RUGGED FS-50 MV #8795 NEW \$14.95
- 0-1500 DCA SC. 3 1/2" RD. STAND FS=50 MV #3376 NEW \$7.95
- 15-0-15 DCA SC. 3 1/2x3 1/2" SQ. STAND. FS=30 A. #8731 U \$5.
- 25-0-25 DCA SC. 3 1/2" RD. STAND #5988 NEW \$7.95
- 50-0-50 DCA SC. 3 1/2" RD. RUGGED 100 U A = FS #2182 NEW \$8.95
- 0-1 ACA SC. 2 1/2" RD. ST. TY WESTON 517 U. \$4.95
- 0-1.5 ACA 3 1/2" RD. STD. #MR36V1R5ACAA NEW \$9.95
- 0-2 ACA SC. SPECIFY TYPE WESTON 476 3" SQ. U \$6.95 " 3 1/2" RD. U \$6.95
- 0-20 ACA SC. 2 1/2" RD. STD. TRIP-3211/34 USED \$4.95
- 0-3 ACA 3 1/2" RD. STD. SCALE LOW/NORM/OVER T-600 \$6.95
- 0-150 ACA SC. 3 1/2" RD. STD. TRANS. REQ. #3974 N. \$6.95
- 0-200 ACA SC. 3 1/2" RD. STD. FS=5 A. #9710 N. \$7.95
- 0-125 ACA SC. 60 CPS. FS=5A
- 0-150 ACA SC. 50 CPS. FS=5A 3 1/2" RD. RUGGED. #9105 \$9.95
- 0-25 AC MA SC. 3 1/2" RD. STD. TRIPOLET 331S U \$8.95
- 0-50 AC MA, SC. 3 1/2" RD. STD WESTON 476 U \$9.95
- 0-250 & 0-500 ACA SC. 3 1/2" R FS=5 A. #4047 N. \$7.95

RF AMMETERS

- 0-2 R.F. 2 1/2" RD. WH. FACE ST CG-22020 NEW \$7.95
- 0-3 R.F. 2 1/2" RD. STD. BL. FA #TCS-457N114 USED \$5.95
- 0-5 R.F. 2 1/2" RD. STD. BL. FA #ART-13/M-101 USED \$5.95
- 0-5 R.F. 3 1/2" RD. STD. WHITE #MR35L005RFAA USED \$7.95
- 0-15 R.F. 3 1/2" RD. STD WHITE KR35L015H AA USED \$9.95

MULTIMETERS

- PIC.#1 SCALES: OHMS 0-100, DCV 0-15, ACV 0-50, PP 0-40 0-150 DB-10-0-5 FS=200 U HEATH VTVM #407-62 N \$18
- PIC.#2 SCALES: 1.5mA TO 0 #2 0-150 FS=750 U.A. 4x4 1/2" SC# 202130-139 FSN0562 N \$15
- PIC.#3 SCALES OHMS 0-1000, VDC 0-3/0-10, VAC 0-30/0-10 4 1/2"x4 1/2" #0752 NEW \$15
- I-176 TEST UNIT METER FOR MULTIMETER #8347 NEW \$15.

METERS

WE PROBABLY HAVE THE LARGEST STOCK OF SURPLUS PANEL METERS IN THE COUNTRY. IF YOU DON'T SEE WHAT YOU WANT LISTED, WRITE DESCRIBING YOUR REQUIREMENTS. IF YOU DESIRE A REPLACEMENT METER, PLEASE INDICATE ALSO THE PIECE OF EQUIPMENT IN WHICH THE METER IS TO BE USED. WE JUST MIGHT HAVE WHAT YOU NEED.



METER WITH DUAL 0-3 x100A SCALE FOR USE WITH 50 MV SHUNT; 2" RD. 4 1/2" DEEP. SINGLE HOLE MTG. VOLTRON MODEL 12A933A; #6976 PRICE: NEW \$25.00

METER WITH 0-10 "FAULT/OK/FAULT" ON SCALE A; SCALE B "OK/FAULT/CAL." FS=50 MA-DC. 1 1/2" SQ. #7392 NEW \$5.00

METER, FIRST SCALE HAS 16 DIV., SECOND READS "LO/HI", THIRD "INPUT V." FS=50 U.A.-DC; 1 1/2" SQ. #1076 NEW \$5.

0-1C DCMA SCALE, 1 1/2" SQ. FS=1 MA. SEALED, #3538 PRICE: NEW \$5.00

0-100 DCV 1 1/2" SQ #2345 \$8

0-100 SCALE FS=200 MADC 1 1/2" SQ. #9400 \$8

100-0-100 DCA 50-0-50 MV SH REQ. 1 1/2" SQ. #2347 \$8

0-15 V & 0-100 MA. SCALES. FS=1 MA. 1 1/2" SQ. #7827 \$8

RDR FREQ. CHZ SCALES #1 8-10 #2-2 TO -4 #3-3 TO -1 #4 NO #, FS=25 TO 125 U.A. 3 1/2" RD. RUGGED. VACLINEIN3C759 N \$8.

0-150 ADC 3 1/2x3 1/2" FS=50 MV. HOYT 607 #8397 NEW \$9.95

KILOHMS SCALE 10- TO 1 & 0-1 FS=1MADC 3 1/2" #1213 N \$8

100 U.-AMMETER FULL SCALE; WITH 0-1.0 AND 0-3 MIRROR-SCALES. 4 1/2x4 1/2" SIMP-SON #6963-2. NEW \$9.95

WESTON PORTABLE A.C. AMMETER, 0-5 & 0-15 MIRROR-SCALE; 25 TO 500 HZ. MODEL 433. #6625-187-1785, RE-NEW \$45.00

DB METER -20 TO +6 FS=192 U.A. 3 1/2" RD. CLEAR PLASTIC CASE, TRIP321L #5367 N \$8.95

DB METER -30 TO +70 FS=50 U.A. 2 1/2" RD. STD #4680 N \$6.

DB METER -20 TO +3 FS=199 U.A. 2 1/2" RD #GA50934 U \$3.95

SIMPSON Wide-Vue
0-100 DC AMPS 4 1/2x4 1/2 6317 \$15
100-0-100 DCA 3 1/2" SQ 6775 \$10

0-50 & 0-150 DCMA SCALE 3 1/2" SQ. #5902 \$10.00
0-50 DCMA 3 1/2" SQ. #1080 \$10
0-3 AC AMPERES 3 1/2" #7832 \$15

0-500 MA/AC 3 1/2" #6775 \$15
50-0-50 DC-µA 3 1/2" #4739 \$15
0-6 DC AMPS 2 1/2" #8678 \$10

0-5 DCA 2 1/2x2 1/2 NEW-DESIGN #2403 PIC.#1 NEW \$12.95
AUTOMOTIVE TYPE PIC. #3 15-0-5 2" RD. AMPERES #6625-542-0E93. NEW \$2.95
0-30-0-30 AMPERES 2" RD. 6625-217-9014 NEW \$2.95

0-30 VDC PANEL METER; MOUNTS INTO 2 1/2" HOLE. OVERALL: 4 1/2x4. API 428-2837 RI #6304 NEW \$16.95

WIRE

- #18 16/30 VINYL CVRD. HOOK-UP WIRE, \$2.25 PER 100 FT. \$16.00 PER 1000 FT.
- #20 10/30 VINYL CVRD. HOOK-UP WIRE, \$1.75 PER 100 FT. \$11.00 PER 1000 FT.
- ONE PAIR TWISTED #24 7/32 VINYL CVRD. BELL WIRE \$2.00/100 FT. \$15.00/1000FT.
- AIRCRAFT TYPE WIRE, NYLON BRAID COVERING 600 VAC 200°
- #22 STRANDED SILVER COATED WIRE & SHLD. \$4.50/100 FT. \$35.00/1000 FT.
- 2/22 STRANDED SILVER COATED WIRE & SHLD. \$6.00/100 FT. \$50.00/1000 FT.
- TINNED COPPER FLAT BRAID, 3/8" W.DTH \$1.10/FT. 3/8" WTH. \$2.00/FT. 3/4" LENGTH, \$5.50
- TINNED COPPER TUBULAR-BRAID, SPIRAL STEEL CENTER, 3/8" DIA. \$3.00/FT. 9 FOOT LENGTH \$2.00; 5/8" DIA. \$.50 PER FOOT.

BC & ARC COMMAND SETS

THE COMMAND SET SERIES OF TRANSMITTERS AND RECEIVERS HAVE BEEN POPULAR FOR MANY YEARS ON THE SUPPLUS MARKET.

THE SERIES CONSISTS OF SEVERAL SEPERATE UNITS COVERING THE FREQUENCY RANGE OF 190 KC TO 9.1 MC FOR THE RECEIVERS AND 2.1 TO 9.1 MC FOR THE TRANSMITTERS.

IF YOU ARE NOT FAMILIAR WITH THE CONVERSION OF THIS EQUIPMENT IT IS SUGGESTED THAT YOU PURCHASE CONVERSION MANUAL COVERING THE SET.

CQ SURPLUS CONVERSION MANUAL, WHICH INCLUDES COMMAND SETS IS AVAILABLE FROM US FOR \$4.50 (FOR OTHER CONVERSION MANUALS SEE PAGE 21)

THE RECEIVERS ARE SIX TUBE SUPERHETERODYNE WITH THE FOLLOWING TUBE LINE-UP; 1/12A6, 1/12K8, 3/12SK7 & 1/12SR7. DESIGNED TO OPERATE WITH THE USE OF A DM-32 24 VOLT D.C. DYNAMOTOR WITH AN OUTPUT VOLTAGE OF 250 VDC @ 60 MA. ALSO REQUIRES 24 VOLTS FOR FILAMENTS. THE SET WAS TUNED FROM A REMOTE POSITION BY THE USE OF A FLEXIBLE SHAFT AND CONTROL BOX. SIZE: 5x5x11; WT: 12 LBS.

R-23/ARC 190 TO 550 KHZ USED \$16.95

R-26/ARC 3.0 TO 6.0 MHZ USED, \$15.95

R-25/ARC 1.5 TO 3.0 MC UNUSED \$22.95

R-28/ARC-5 100 TO 156 MC CRYSTAL CONTROL ON FOUR PRE-SET CHANNELS WITH 24 VDC MOTOR, NOT CONTINUOUS TUNING. USES SAME VOLTAGE BUT DIFFERENT TUBES. SEE CONVERSION MANUAL FOR DETAILS TO MAKE CONTINUOUS TUNING. USED \$18.95

THE TRANSMITTERS WITH PROPER USE CAN PUT OUT 50 WATTS CW AND 30 WATTS ON PHONE. MODULATION IS OBTAINED FROM SEPARATE UNITS, BC-456 FOR SINGLE TUBE MOD. AND MD-7 FOR PUSH-PULL MOD. THE DM-33 DYNAMOTOR IS USED TO SUPPLY THE VOLTAGES AND IS MOUNTED ON THE MODULATOR. VOLTAGES REQUIRED 575-600 VDC @ 175-200 MA. AND 24 VOLTS. WITH TUBES 2/1625, 1/1626 & 1/1629 MAGIC EYE TUBE FOR TUNING AND CRYSTAL FOR CALIBRATION. SIZE: 5x7x12; 12LBS

T-20/ARC-5 4.0 TO 5.3 MC USED \$6.95

T-21/ARC-5 5.3 TO 7.0 " " 6.95

T-23/ARC-5 100 TO 156 MC AM USING 832 TUBES. (2) AND 1625 (2), FOUR PRE-SET CRYSTAL CONTROL CHANNELS, COMPANION TO R-28 REC. FOR CONVERSION SEE CC MANUAL. \$24.95

BC-456 MODULATOR FOR USE WITH COMMAND TRANSMITTERS, SINGLE TUBE MODULATION WITH TUBES 1/1625, 1/12J5GT AND 1/VR-150. HAS PROVISIONS FOR MOUNTING DM-33 DYNAMOTOR. SIZE: 7x8x10; WT: 11LBS. UNUSED \$9.95

MD-7/ARC-5 MODULATOR SAME AS BC-456 ONLY USES 2/1625 TUBES IN PUSH-PULL FOR 40 TO 60 WATTS. USED L/COVER \$9.95

COMMAND RECEIVER AC POWER SUPPLY SEE PAGE 20

SPIN TUNING KNOB FOR RECEIVERS	\$1.50
DM-32 DYNAMOTOR 24 V FOR REC. UNUSED	4.95
35x032 " 12 V " " "	4.95
C-26/ARC CONTROL BOX FOR ONE REC. USED	\$2.50
BC-496 " " " TWO " " "	\$1.00
BC-450 " " " THREE " " "	2.50
BC-451 " " " ONE TRANS. " " "	1.95
BC-473 " " " ONE REC. " " "	\$2.50

CONNECTOR PLUGS F/REC. OR TRANS. " 1.50

FLEXIBLE SHAFTS MC-215 FOR COMMAND EQUIPMENT 6 FT. \$1.50 EACH ADDITIONAL FT. 25¢ EXTRA.

DYNAMIC SPEAKER FROM R-48/TRC-8; 3 1/2" DIA. CONE; PM; ONE WATT NORMAL, 2 WATT PEAK. 4-OHM IMPED. OVERALL SIZE: 4x4x2 1/2; WT: 3 LBS. PRICE: \$5.95



RECEIVER-TRANSMITTER

BC-669 RADIO RECEIVER AND TRANSMITTER, FREQ. RANGE FROM 1680 TO 4450 KC. OPERATING RANGE IS 20-30 MILES FROM FIXED STATIONS AND 15 MILES FOR MOBILE ONES, DEPENDING UPON ENVIRONMENTAL CONDITIONS. THE TRANSMITTER SECTION WITH AN OUTPUT OF 45 WATTS, SENDS VOICE MODULATED SIGNALS, WHILE THE RECEIVER IS OF THE SUPERHETERODYNE TYPE, DETECTING BOTH VOICE MODULATED AND TONE MODULATED C-W TELEGRAPH SIGNALS. HAS SIX CRYSTAL-CONTROLLED FREQUENCIES WHICH MAY BE PRESET FOR TRANSMISSION AND RECEPTION. MANUAL CONTROL FOR RECEIVING IS ALSO PROVIDED. WITH TUBES 6H6, 6J5, 6K6, 5/6L6, 6SA7, 3/6SK7, 12J5, AND 2/807. POWER SUPPLY REQUIRED 115V. AC 60 CYCLE (PE-110). SIZE: 18x21x13 WT: 150 LBS. PRICE: USED NEED WORK, \$39.95



PE-110D 115V. AC POWER SUPPLY FOR BC-669; WT: 100 LBS. PRICE: \$30.00 UNUSED RM-21 CONTROL BOX FOR REMOTE OPERATION OF BC-669, WT: 8 LBS. PRICE: \$3.95

BROADCAST RECEIVER



R-22 RECEIVER 550 TO 1500 KC AM, ONE BAND CONTINUOUS TUNING, NO DIAL (SEE BELOW FOR CONTROL BOX) WITH TUBES 2/14A7, 1/14S7, 1/14R7, 1/14F7 AND 1/12A6. VOLTAGES REQUIRED 250-290 VDC @ 50-90 MA. AND 24 VOLTS. SIZE: 6x5x11 1/2; WT: 10 LBS. PRICE: NEW \$22.50

CONTROL BOX FOR RECEIVER WITH ADAPTER THAT CAN BE USED ON ANY RECEIVER OF THIS TYPE. SCALE WILL HAVE TO BE CHANGED CONTROL BOX WITH ADAPTER \$4.95



CV-431/AR CONVERTER THIS TRANSVERTER IS A COMBINED TRANSMITTER AND RECEIVER CONVERTER. THE TRANSMITTER PORTION FUNCTIONS AS AN INDEPENDENT TRANSMITTER ON A FREQUENCY RANGE OF 228 TO 258 MC; IT DOES NOT REQUIRE THE USE OF ANY

VHF COMPONENT FOR TRANSMISSION. THE CONVERTER SECTION CONVERTS RECEIVED SIGNALS IN THE RANGE OF 228-258 MC TO 118-148 MC AFTER MIXING WITH A 110 MC CRYSTAL OSCILLATOR AND REQUIRES THE USE OF A VHF RECEIVER FOR RECEPTION. HIGH VOLTAGE FOR THE TRANSVERTER IS SUPPLIED BY THE DYNAMOTOR WHICH IS MOUNTED ON THE RECEIVER AND HAS A OUTPUT OF 250 VDC 60 MA. THE TRANSMITTER IS 8 CHANNEL CRYSTAL CONTROLLED, VOICE AM CIRCUIT DESIGNED FOR AIRCRAFT TO GROUND COMMUNICATION AND USES 4/5763, 1/6201 AND 1/5763 TUBES. POWER OUTPUT 0.5 WATT AT AN ALTITUDE OF 5000 FT. WITH A RANGE OF APPROX. 60 AIR MILES.

SIZE: 5 1/2 x 11 1/2 x 4 1/2; WT: 9 LBS. PRICE: USED SERVICEABLE WITH TUBES \$7.95

T-366A/ARC TRANSMITTER 116 TO 132 MC, 5 CHANNELS CRYSTAL CONTROL WITH 5/5763 TUBES FOR 24- TO 28 VOLTS D.C. OPERATION. USES ARC-14958 CRYSTALS. APPROX. 5 WATTS OUTPUT, USED IN AIRCRAFT. SIZE: 4 1/2 x 4 1/2 x 6; WT: 6 LBS. PRICE: RE-COND. \$16.95



R-15/R-509 RECEIVER VHF 108-135 MC. AM. CONTINUOUS TUNING NO DIAL ON REC. DESIGNED FOR REMOTE USE, 15 MC. I.F. REQ. 24-28 V. FOR FILAMENTS AND 250 VDC 60 MA. HV. HAS FACILITY F. MTG. DYN. ON REAR, AS D-10/DM-32 ETC. W/TUBES 14A7, 14F7, 12A6, 9002, 2/14R7, 9003 R-15 NO SQUELCH USED \$16.95 R-509 W/ SQUELCH " \$19.95



BC-348 RECEIVER A.M. SIX BANDS 200-500 KC & 1.5-18 MC. CRYSTAL PHASING, ANTENNA ALIGN, BEAT OSC., & AUDIO GAIN CONTROLS, VERNIER & SPEED TUNING, AVC, M.V.C, PHONE AND C.W. PHONE & SPEAKER JACKS, LARGE ILLUM. DIAL. WITH TUBES TUBE COMPLEMENT WILL VARY ACCORDING TO MODEL LESS DYNAMOTOR. VOLTAGES REQUIRED: 220 VDC @ 70 MA. & 24 VDC. SIZE: 18x10x9 1/2 WT: 40 LB PRICE: USED, CHECKED \$89.95 NOT CHECKED \$60 DM-28 DYNAMOTOR 28 VDC USED \$4.95 115 VAC POWER SUPPLY W/SPEAKER \$23.00 FT-154 SHOCKMOUNTING \$2.75 PL-103Q PLUG FOR REAR OF RECEIVER \$2.50

ELSEWHERE ON THIS PAGE.



AIRCRAFT RADIO RECEIVER 108-135 MHZ, FACILITIES AVAILABLE FOR USE VOICE, VOR, VAR, AMP-LOC, CONTINUOUS TUNING, NO DIAL ON REC., DESIGNED FOR REMOTE USE. FOR TUNING LOCALLY SEE ADAPTER DESCRIBED

WITH TUBES 3/9003, 1/9002, 2/14R7, 1/14A7, 1/14F7 & 1/12A6. POWER REQ. 28 VDC & 250 VDC 60 MA. OR DYNAMOTOR D-10/DM-32 OR EQUAL. SIZE: 6 1/2 x 5 1/2 x 1 1/2; 10 LBS. R-445/ARN-30 USED \$19.95



1-130 SIGNAL GENERATOR; 100-156 MHZ WITH 1000 HZ TONE MODULATED SIGNAL, M.O. AND CRYSTAL CONTROL IN 5 STEPS, VARIABLE TUNING OVER ENTIRE RANGE WITH OSC. CIRCUIT.

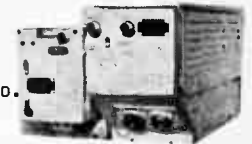
SEPARATE TUNING OF CRYSTAL WITH TUBES 2/9003 & 3/9003. POWER REQUIRED 135 VDC AND 6 V.

SIZE 19x9 1/2 x 7 1/2; WT: 27 LB. PRICE: USED \$24.95

R.F. COAXIAL OUTPUT CONNECTOR PL-173 \$1.50 POWER INPUT CONNECTOR PL-177 \$1.50

VHF RECEIVER-TRANSMITTER

VHF TRANSMITTING AND RECEIVING EQUIPMENT AM 100 TO 156 MC. CRYSTAL CONTROL ON 4 PRESELECTED CHANNELS IN THE RANGE SPECIFIED. R-28/ARC-5 RECEIVER (SHOWN ON THE LEFT) CRYSTALS ARE INSERTED IN THE FRONT OF THE SET

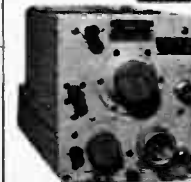


BEHIND THE ACCESS DOOR, FREQ. DIAL AND SQUELCH ADJ. ARE ALSO ON THE FRONT. SELECTION OF CHANNEL IS DONE REMOTELY WITH THE USE OF THE C-30/ARC-5 CONTROL UNIT WHICH IS AVAILABLE SEPARATELY. WITH TUBES 4/717, 3/12SH7, 2/12SL7 & 12A6 VOLTAGES REQUIRED 24/28 VDC FOR RELAYS AND SELECTOR MOTOR ETC. 250 VDC & 60 MA. HIGH V. DM-32 DYNAMOTOR CAN BE USED ON THE REAR OF THE SET FOR THE HIGH VOLTAGE. (FOR VARIABLE TUNING SEE SURPLUS CONVERSION MANUAL VOLUME III PRICE \$3.50) SIZE: 14x7 1/2 x 4 1/2; WT: 16 LBS. USED \$18.95

T-23/ARC-5 TRANSMITTER (SHOWN TO THE RIGHT) THE OUTPUT OF THIS UNIT AS DESIGNED IS APPROX 10 WATTS HIGHER OUTPUT CAN BE OBTAINED AS IT HAS (2) TWO 832 TUBES AND TWO 1625'S. THE AUDIO POWER FOR MODULATING IS FURNISHED BY THE MD-7/ARC-5 MODULATOR WHICH IS AVAILABLE SEPARATELY. FREQ. CHANNEL SELECTION IS MADE BY USE OF THE C-30 CONTROL UNIT WHICH IS AVAILABLE SEPARATELY. VOLTAGES REQ. 24/28 VDC FOR RELAYS & SELECTOR MOTOR ETC. APPROX 600 VDC @ 175 MA F/HIGH V. SIZE: 15 1/2 x 8 1/2 x 5 1/2; WT: 15 LBS. RE-NEW \$24.95

MD-7 MODULATOR: PUSH-PULL MODULATOR DESCRIBED ON PAGE 4 OF OUR REGULAR CATALOG RE-NEW \$12.00

RECEIVER



R-11A RECEIVER 190-550 KC ONE BAND, 85 KC IF FREQ. WITH TUBES 2/14A7, 1/14S7, 1/14R7, 1/14F7 & 1/12A6 (14 SERIES TUBES ARE LOCAL FILAMENTS ARE WIRED FOR 12-14 OR 24-28 VOLTS, HIGH VOLTAGE REQ. 250 VDC 60 MA. NO DIAL, DESIGNED FOR REMOTE USE BUT ITEMS LISTED BELOW CAN BE ADAPTED FOR LOCAL TUNING.

SIZE: 6 1/2 x 5 1/2 x 1 1/2; WT: 10 LBS. USED \$12.95 BC-473 CONTROL BOX FOR LOCAL USE WITH ADAPTER WITH SET \$3.00 OTHERWISE \$4.95 SPIN TUNING KNOB FOR LOCAL USE \$1.50

SCR-522 RADIO SET 100-156 MC

RECEIVER-TRANSMITTER AM, FOUR CHANNEL, CRYSTAL CONTROL, 30 WATT OUTPUT, 18 TUBES AS FOLLOWS; TRANSMITTER, 1/6SS7, 2/832, 3/12A6, 1/6G6, RECEIVER: 1/9002, 1/9003, 3/12A6, 1/12C6, 2/12AH7, 1/12H6 & 3/12SG7. BOTH UNITS CAN BE REMOVED FROM CASE SEPARATELY. OVERALL SIZE: 16 1/2 x 12 1/2 x 10-3/4" WT: 49 LBS. PRICE: USED \$29.95



RECEIVER CHASSIS ONLY, LESS CHANNEL SHIFTERS. PRICE, USED, WITH TUBES \$14.95 NO TUBES \$7.95

TRANSMITTER CHASSIS ONLY, LESS CHANNEL SHIFTERS. PRICE, USED WITH TUBES \$18.95 NO TUBES \$7.95

BC-602 CHANNEL SELECTOR CONTROL BOX WITH PUSH BUTTONS. BC-602B USED \$1.95 BC-602D NEW \$2.95

NOTE: FOR THE MICROPHONE & PHONE CIRCUITS JACKS CAN BE INSTALLED IN THE BC-602

JB-29 JUNCTION BOX NEW \$2.95
AN-104 ANTENNA, METAL COVERED WOOD NEW 1.95
PE-98 DYNAMOTOR 12 VOLT USED 9.95
PE-94 " 24 " 4.95

PLUGS REQUIRED FOR THE EQUIPMENT

SCR-522 RECEIVER-TRANSMITTER REQUIRES THE FOLLOWING PLUGS, PL-173 TO ANTENNA, PL-169 TO DYNAMOTOR, PL-170 TO JB-29 JUNCTION BOX. \$1.50 EACH

BC-602 CONTROL BOX, REQUIRES FOLLOWING PLUGS, PL-169 TO JUNCTION BOX. \$1.50 EA.

PE-98 OR PE-94 DYNAMOTOR REQUIRES FOLLOWING PLUGS, PL-172 TO BATTERY, PL-171 TO RECEIVER-TRANSMITTER. \$1.50 EA.

JB-29 JUNCTION BOX, REQUIRES THE FOLLOWING PLUGS, PL-170 TO RECEIVER-TRANSMITTER, PL-169 TO BC-602 CONTROL BOX. \$1.50 EA.

PD-5/ARA-19 TUNING DRIVE FOR AM-203B AMPLIFIER; PART OF ARN-6 RADIO COMPASS REMOTE TUNING SYSTEM. WITH DELCO PM MOTOR. SIZE: 4 1/2 x 2 1/4; WT: 5 LBS. USED \$9.95; PLUG F/PD-5 \$1.50

BC-733 RECEIVER 108.3-110.3 MC AM

AIRCRAFT RECEIVER USED FOR LOCATING RUNWAY ON LANDING FIELD DURING LANDING OPERATION SIGNALS RECEIVED BY RECEIVER FROM TRANSMITTER LOCATED ON RUNWAY ARE APPLIED TO CROSS-POINT INDICATORS IN THE AIRCRAFT AND SHOW IF PLANE IS OFF TO RIGHT OR LEFT OF RUNWAY. OPERATES ON SIX CRISTAL PRESET FREQ. COMPLETE WITH TEN TUBES: 1/12AH7, 2/12SG7, 3/717, 2/12SR7, 1/12SQ7 & 1/12A6. VOLTAGE REQUIRED; 24 VDC & 220 VDC 80 MA. WITH SCHEMATIC. SIZE: 13 1/2 x 5 1/2 WT: 17 LBS.

PRICE: USED \$7.95

I-101C CROSS POINT INDICATOR, USED \$1.95
PL-257 PLUG TO FIT I-101C 1.50

BC-732 CONTROL BOX USED \$1.95 NEW \$2.95
CABLE WITH PL-254 TO FIT BC-733 REC. AND PL-256 PLUG TO FIT BC-732 CONTROL BOX 3 FT. PRICE: \$4.95 PLUGS ONLY 1.50
PRICE: \$4.95 PLUGS ONLY \$1.50 EA.

DM-53 DYNAMOTOR 24 VOLT USED \$6.95
DM-53AZ " 12 " 7.95
AS-27 RAMS HORN ANTENNA \$5.95 AS-27A 9.95
PL-284 TWIN COAXIAL CONNECTOR 2.00

I-155-A TEST METER

I-155-A TEST UNIT FOR BC-950-A TRANSMITTER. APPEARS TO BE SIMILAR TO TS-178/ARM-1 USED TO CHECK VOLTAGES AND CURRENT IN THE CIRCUITS OF ARC-3 EQUIPMENT. INCLUDES 3 1/2" ROUND 0-100 SCALE FS=1 MA 150 OHM RES. METER COUPLED TO A 7-POSITION SWITCH. CHECKS (1) OSC. GRID CURRENT, (2) 1ST H-G GRID CURRENT, (3) 2ND H-G GRID CURRENT, (4) RF AMP GRID CURRENT, (5) RF AMP CATHODE CURRENT, (6) HEATER VOLTAGE AND (7) PLATE VOLTAGE. WITH 4' CORD AND PL-152 PLUG. SIZE: 8x5x4 WT: 4 LBS. UNUSED \$7.95

ARC-3 100-156 MC

R-77/ARC-3 VHF AIRCRAFT TYPE AM RECEIVER, 8 CHANNEL CRYSTAL CONTROL ELECTRIC BAND CHANGE WITH TUBES 9001, 9002, 12A6, 12H6, WITH TUBES 9001, 9002, 12A6, 12H6, 12SH7, 12SL7, 2/12SN7, 3/12SG7 & 6/6AK5. VOLTAGE REQUIRED 24 VDC & 210 VDC 125 MA. SIZE: 11x7x15. WT: 21 LBS. W/SCHEMATIC

PRICE: R-77/ARC-3 USED \$24.50
R-5009/ARC-502 24 CHANNEL USED \$24.95
PL-153 PLUG FOR FRONT OF SET \$ 2.50

T-67/ARC-3 VHF AIRCRAFT TYPE TRANSMITTER AM, 8 CHANNEL CRYSTAL CONTROL ELECTRIC BAND CHANGE, WITH TUBES 2/832, 2/6L6, 1/6J5, 3/6V6 & 1/12SH7. VOLTAGE REQUIRED 24 VDC & 410 VDC 325 MA. SIZE: 15 1/2 x 7 1/2 x 12 1/2. WT: 21 LBS.

PRICE: USED WITH TUBES \$24.95

JB-68 JUNCTION BOX FOR ARC-3 RADIO SET USED TO MOUNT DYNAMOTORS DY-22 FOR REC & DY-21 FOR TRANS. ALSO HAS CONNECTOR PLUGS TO HOOK UP REC, TRANS, CONTROL BOX & POWER, & RELAYS. SIZE: 10 1/2 x 3 1/2 x 8. WT: 7 LBS.

PRICE USED.... \$7.95

CONNECTOR PLUG FOR EACH FACILITY \$2.50 EACH

C-118/ARC-3 CONTROL BOX FOR RECEIVER AND TRANSMITTER. HAS EIGHT PUSH BUTTONS FOR CHANNEL SELECTION AND ONE FOR OFF. SIZE: 6x3x7 WT: 2 LBS. PRICE: \$4.95
CONNECTOR PLUG U-16/U 2.50

IE-36 TEST SET FOR SCR-522 REPRODUCES THE OPERATING FUNCTIONS OF THE CONTROL BOX & JACK BOXES OF THE RADIO BY PROVIDING HEADPHONE & MICROPHONE, CHANNEL SELECTION PLUS ALL OTHER CONTROLS NECESSARY TO OPERATION AND TESTING.

CONTROL UNIT BC-1303 PLUGS DIRECTLY INTO THE SCR-522 ALSO HAS PHANTOM ANTENNA & CORD, LAMP EXTRACTOR, ADAPTER PHONE CORD, INSTRUCTION BOOK AND CARRING CASE, 10x10x4; WT: 8 LBS. PRICE: NEW \$6.95

SCR-522 CABLES WITH PLUG ON ONE END AND LUG TERMINALS ON THE OTHER. EACH CABLE \$2.95
CX-58/VRC-1 PLQ-170 PLUG & LUGS, 36" LONG.
CX-60/VRC-1 PL-169 " " " 36" "
CX-62/VRC-1 PL-172 " " " 66" "



REMOTE READING MAGNESYN COMPASS SYSTEM AIRCRAFT TYPE. CONSISTS OF A MAGNESYN COMPASS THAT TRANSMITS TO A 3" INDICATOR THAT IS CALIBRATED IN DEGREES—N-S-E-W, AND IS OPERATED BY THE 12 VOLT DC INVERTER WHICH IS INCLUDED WITH THE SYSTEM. SHIPPING WEIGHT: 15 LBS. PRICE WITH TRANSMITTER, INDICATOR, INVERTER AND MANUAL..... \$49.95

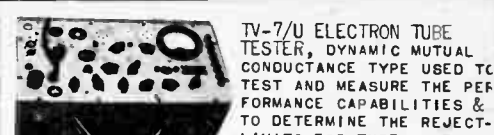
RECEIVER 200 - 400 KC

BC-1206 RECEIVER AM 200 TO 400 KC USED FOR AIRCRAFT BEACON CALLS VOLTAGE REQUIRED 24 VDC TUBES REQUIRED 2/14H7, 1/14J7, 1/14Z7 & 1/28C7. I.F. FREQ. 135 KC, THREE (3) GANG VARIABLE 400-800 MMFD LOCAL SOCKET

THESE RECEIVERS ARE SOLD LESS TUBES AND "AS-IS" BECAUSE WE HAVE FOUND SOMETIMES THE I.F. COILS MAYBE OPEN AND THE COST OF MAKING THE REPAIR IS PROHIBITIVE. HENCE THE LOW LOW PRICE. PLEASE DO NOT ASK US TO CHECK THE COILS. SIZE: 4x4x6 1/2; WT: 6 LBS. USED AS-IS \$2.95

AMPLIFIER

AM-203B/ARN-19 AMPLIFIER; PART OF REMOTE TUNING SYSTEM AS USED WITH ARN-6 RADIO COMPASS WHICH PROVIDES AN ACCURATE MEANS OF TUNING SET ELECTRICALLY. OPERATES FROM 24 VDC. WITH 2/26A7 TUBES AND 1/12SN7 TUBE. SIZE: 5x6x4 1/2; WT: 6 LBS. PRICE: RE-NEW \$8.95



TV-7/U ELECTRON TUBE TESTER, DYNAMIC MUTUAL CONDUCTANCE TYPE USED TO TEST AND MEASURE THE PERFORMANCE CAPABILITIES & TO DETERMINE THE REJECT-LIMITS FOR TUBES USED IN RECEIVERS, LOW POWER TRANS. AND OTHER TYPES OF ELECTRONIC EQUIPMENT. TESTS ARE MADE FOR DYNAMIC MUTUAL CONDUCTANCE, EMISSIONS, SHORTS, GAS, NOISE, CONT. PILOT LITES ETC. TEST SOCKETS ARE FOR LOCAL, OCTAL, 4, 5, 6, 7 PIN, NORVAL 9, 7 PIN MINIATURE, SUB.-MIN. RD. FLAT, ACORN ETC. ADAPTERS FOR OTHER TYPES ARE LISTED BELOW. POWER REQ. 115 V 50 TO 1000 CYC. TUBE DATA CHART ALSO 7 & 9 PIN TUBE PIN STRAIGHTENERS. SIZE: 6 1/2 x 8 1/2 x 15 1/2; WT: 20 LBS. PRICES: USED REPARABLE \$29.95 CHECKED \$39.95 ADAPTERS F/2C39 OR 829/832 \$5. MIN. LG LD \$3 WATER-DAMAGED UNITS; LESS LEADS, BOOK, PIN STRAIGHTENERS BUT WITH GOOD TRANSFORMER \$10.

GUARD RECEIVER AS USED IN RT-178/ARC-27, COVERS FREQ. OF 238 TO 248 MC. SINGLE CHANNEL WITH AUDIO OUTPUT IS COUPLED TO THE MAIN SET, DUAL CONVERSION 19.4 MC 1ST I.F. 3.45 FINAL I.F. WITH R.F. GAIN CONT. AND SQUELCH CIR. WITH TUBES 5/12AT7, 1/6AK5, 1/6AG5, 2/6BA6 & 2/6AL5. SIZE: 8 1/2 x 4 1/2 x 4; WT: 4 LBS. P/T# 504-9780-005 PRICE: USED \$7.95 STK#5821-505-3684

20-30 MC IF AMPLIFIER WITH CRYSTAL MOUNTING AND SELECTION SWITCH. THE CRYSTAL MOUNTING IS FOR 10 CR-23/U CRYSTAL HOLDERS, THE CRYSTAL SWITCH IS OPERATED IN CONJUNCTION WITH THE SLUG TUNED COILS AND A SCREWDRIVER IS USED FOR THIS PURPOSE. WITH TUBES 6/6AG5 AND 12AT7. #5821-505-3236 SIZE: 7 1/2 x 4 x 3 1/2; 4 LBS. USED \$6.95

I.F. AND AUDIO AMPLIFIER AS USED IN ARC-27. THE 5.7-4.8 MC I-F AMP. FOR THE RECEIVER AND TRANSMITTER ARE TWO SEPARATE SECTIONS WITH 3.45 MC I.F. TO THE DETECTOR AND AVC GATE ALSO SQUELCH/AUDIO AND AUDIO AMP. SECTIONS. WITH TUBES 7/6BA6, 6/12AT7, 1/6AQ5 AND 2/6AL5. SIZE: 8 1/2 x 5 1/2 x 4; WT: 5 LBS. P/T#505-0317-036 PRICE: USED \$8.95

CRYSTAL CALIBRATOR WITH THREE SEPARATE OSCILLATORS AT 10 KHZ, 100 KHZ. AND 1000 KHZ. WORKS FROM 1 TO 30 MHZ ON 1000 KHZ OSCILLATOR; 100 KHZ TO 10.5 MHZ ON 100 KHZ; AND FROM 10 KHZ TO 10 MHZ ON 10 KHZ. ORIGINALLY DESIGNED FOR USE WITH NO. 19 MK III RECEIVER-TRANSMITTER. WITH CRYSTAL SELECTOR, CABLE, AND PLUG. POWER REQUIRED: 12 VDC @ 0.5 A. & 265 V. @ 2.5 MA. SIZE: 2x9x4 1/2; WT: 7 LBS. USED, \$12.95

RADIO COMPASS

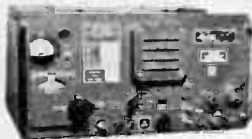
RA 101A/ARN-6 RADIO COMPASS WITH A FREQUEN RANGE OF 100-1750 KC 1 FOUR BANDS. COMPLETE WITH TUBES 6/12SK7; 4/12SX7; 1/12SY7; 1/12SN7; 2/26A7; 2/2050. OPER. FROM 26.5VDC. WT. 35L SIZE: 11 1/2 x 7 1/2 x 15 1/2 PRICE: \$39.50

AS-313/ARN-6 LOOP ANTENNA WITH MOTOR AND AUTOSYN TRANSMITTER. USED WITH ARN-6 RADIO COMPASS. OPERATES FROM 26 VOLTS 400 CYC. SIZE: 10x11x5 WT. 15 LBS. PRICE: (AS ILLUSTRATED) USED \$7.95 ANNUAL FOR RA 101A/ARN-6.....\$5.00

ID-91 B/ARN-6 INDICATOR 0-360 DEG. 3 1/2" DIA. INDICATOR FOR ARN-6 RADIO COMPASS SYSTEM \$8.95

C-149 A/ARN-6 CONTROL BOX BOX CONTAINS THE FOLLOWING CONTROLS. OFF-COMP.-ANT.-LOOP; FUNCTION SWITCH, TUNING METER, LOOP L-R SWITCH, LIGHT CONTROL, DIAL BAND SWITCH, CONTROL SWITCH, TUNING CRANK, AUDIO CONTROL, CW- VOICE SWITCH. WRITE AS TO AVAILABILITY AND PRICE.

U. H. F. RECEIVER



R-48/TRC-8 RECEIVER
F.M. 230 TO 250 MC.
ONE BAND VARIABLE
TUNING, VOLTAGE RE-
QUIRED 115/230 60 CYC
WITH SPEAKER, PHONE
JACK, SQUELCH CIRCUIT
2 1/2" METER FOR CIRCUIT
CHECKING. WITH TUBES 8/6AG7, 1/9002, 1/504, 1/
6V6, 1/VR-150, 1/6N7, 1/6SN7, 1/6AL7. SIZE: 20x
19x16; WT: 75 LBS.
USED \$34.95

FM TRANSMITTER 70-100 MC



T-14/TRC-1 TRANSMITTER
F.M. 70 TO 100 MC 40 W.
115/230 V 60 CYCLE IN-
PUT. WITH TUBES 1/829,
4/6V6, 1/6SL7, 1/6SN7, 2/
6AC7, 1/816 & 5R4.
PHASE SHIFT MODULATION
-30 KC., 2 1/2" METER FOR
MEASURING THE VOLTAGES
OF THE DIFFERENT STAGES
CRYSTAL CONTROL ON ONE CHANNEL IN THE RANGE.
SIZE: 16 1/2 x 10 x 12; WT: SHPG. 100 LBS.

PRICE: USED, REPARABLE, \$39.95

AM-8/TRA-1 POWER AMPLIFIER, LISTED BELOW
CAN BE USED TO BOOST THE POWER OF THE T-14

70 TO 100 MHZ RECEIVER

R-19/TRC-1 RECEIVER;
70 TO 100 MHZ FM
IN 300 CHANNELS.
1ST IF VARIABLE
FROM 32.5 TO 47.5
MHZ; 2ND FIXED
5 MHZ. OUTPUT IMPEDANCE: 6 OHMS. WITH
TUBES 7/6SH7, 3/6AC7, 2/6H6, 2/6X5,
6SN7, 6SL7, AND 6X5. POWER REQUIRED:
115 VAC 50/60 HZ. SIZE: 8x12 1/2 x 19 1/2
SHPG. WT: 50 LBS.



PRICE: USED, LESS CRYSTALS, \$29.50

POWER AMPLIFIER



AM-8/TRA-1 POWER AMPLIFIER
FOR 70-100 MC F.M. 200 WATT
WITH A RF INPUT OF 25 WATT
(APPROX.) IMPEDANCE 70 OHM
USES 2/4E27 TUBES IN CLASS
"C" PUSH-PULL TUNED PLATE
CIRCUIT AND 3/0D3 V.R TUBE
THE FILAMENT TRANSFORMER
5 V.C.T 15 A. IS SUPPLIED

IN THE UNIT, -100 VDC, 450 VDC @ 40 MA AND
2000 VDC 250 MA ARE ALSO REQUIRED BUT ARE NOT
IN THE UNIT. A 115 V. 60 CYCLE BLOWER IS ALSO
IN THE EQUIP. VAR. CAP. DUAL 5-50 & 7-35 MMF
SIZE: 16x10x12; WT: 55 LBS. IN CHEST 100 LBS
PRICE: LESS 4E27 TUBES, U \$18.50 RE-NEW \$24.50
WITH TWO (2) 4E27 TUBES \$10.00 EXTRA

450 TO 470 MHZ



RCA TYPE GMU-158
CARPHONE RECEIVER-
TRANSMITTER, FM
450-470 MHZ RANGE.
SINGLE-CHANNEL CRYSTAL-
CONTROLLED UNIT WAS
ORIGINALLY DESIGNED
FOR MOBILE USE, OPERATING FROM EITHER
SIX OR TWELVE VOLT SOURCE DEPENDING ON THE
POSITION OF THE INCLUDED VIBRATOR. THE RE-
CEIVER SECTION'S LOW IF IS 455 KHZ AND A
HIGH IF OF 15.145 MHZ. SQUELCH RANGE IS 0.2
U-VOLT TO 0.7 U-VOLT. AUDIO OUTPUT: 1 WATT;
OUTPUT IMPEDANCE: 4 OHMS (SPEAKER), 600 OHMS
(LINE). INPUT IMPED: 50 OHMS. THE TRANSMIT-
TER SECTION HAS A 15 WATTS MIN. RF OUTPUT,
CRYSTAL FREQ. RANGE 12.501 TO 13.054 MHZ.
(x36). FREQUENCY SWING FOR 100% MODULATION
AT 1000 HZ IS 15 KHZ. AUDIO INPUT IMPED:
100 OHMS. THE POWER SUPPLY PROVIDES THE FOL-
LOWING VOLTAGES: 285v. @ 280 MA, 270-285v.
@ 95 MA, 270v @ 20 MA, 170-285v. @ 15 MA
(TRANS.). AND 215v @ 4 AND 53 MA (REC.).
WITH TUBES 2/5894, 6360, 5763, 6/6BH6, 6AK6,
2/6AK4, 2/6CB6, 6AL5, 5/12AT7, 3/12AX7, 6AB4
SIZE: 15x6 1/2 x 18 SHPG. WT: 60 LBS.

PRICE: USED, LESS COVER, CABLES AND CONTROL
BOX \$40.00

VHF RECEIVER



BC 639 RECEIVER AM
100 TO 156 MC CONTI-
NUOUS TUNING OVER
THE ENTIRE RANGE.
CONTROLS FOR CW,
TONE, AVC-MANUAL,
R.F. AUDIO GAIN,
ATTENUATION, SENSITIV-
ITY ETC. TUNNING
METER, PHONE JACKS ETC. WITH TUBES 1/6SC7, 1/
6K6, 4/6SG7, 1/9002 & 3/9003.

SEPARATE RA-42 POWER SUPPLY THAT SUPPLIES ALL
THE REQUIRED VOLTAGES AND OPERATES FROM 115/
230 VOLT 60 CYC. BOTH UNITS ARE DESIGNED FOR
19" RACK MOUNTING. REC. 10 1/2" HIGH, P.S. 7" H.
SHPG. WT: 75 LBS.
PRICE: USED SERVICEABLE \$60.00 CHECKED \$75.00

U. H. F. RECEIVER



R 278 RECEIVER 225-399.9
MC AM, CRYSTAL FREQ. CON-
TROL 1750 CHANNELS 0.1 MC
INTERVALS, 10 PRESET CHAN-
NELS, AUDIO FREQ. RESPNS
WIDE 200 TO 20,000 CYCLES
NARROW 200 TO 5000 CYCLES
AVC, SQUELCH, AIR COOLED,
POWER REQ. 115/230 v. 50-
60 CYCLE. UNITIZED CHASSIS, RACK MTG.
SIZE: 19x12 1/2 x 20; WT: 115 LBS. USED SERVICEABLE

PRICE: R-278 WITH FORTY-FOUR TUBES, LESS
GUARD CHANNEL USED \$125.00



RT-18/ARC-1 TRANSMITTER &
RECEIVER AM, 100 TO 156 MC
30 WATT CW AND PHONE, CRYSTAL
CONTROL. VOLTAGE REQUIRE
360 VDC @ 135 MA AND 24 VDC
WITH TUBES 18/6AK5, 2/6C4,
2/6V6, 2/6J6, 2/12A6, 1/6SL7
AND 2/832. SIZE: 10 1/2 x 8 x 20; WT: 45 LBS.

PRICE: 20 CHANNEL \$60
DY-9 DYNAMOTOR 26VDC \$10/DY-10 13/26 USED \$15



RO-28/UH-6 2 CHANNEL TAPE RECORDER
USES 1/2 INCH TAPE 7" REELS FOR 45
MINUTE RECORDING TIME. USES TWO
28VDC MOTORS, ONE AS CAPSTAN DRIVE
MOTOR OTHER AS TAKE UP MOTOR. POWER
REQUIRED 28 VDC FOR MOTOR AND
FILAMENT, 115V 400HZ SUPPLIES B
PLUS FOR TUBES. HAS ONE 1 1/2" VU
METER TO SET LEVELS. TUBES 6TF4,
26Z5, 0A2, 5/5703, 2/6533 SIZE 8x5x19 1/2 LONG
SHPG WT: 30 LBS.
USED \$24.95



BC-788 TRANSMITTER RECEI-
VER AIRCRAFT ALTIMETER,
PULSE TYPE, TRANS. OUTPUT
50 WATTS, FIXED FREQUENCY
440 MHZ, WITH TUBES 1/6L6
9/6AG5 & 1/5Y3. POWER
REQ. 115 V. 400-2400 CYCLE.
SIZE: 15 1/2 x 9 x 8; WT: 13 LBS. PRICE: USED \$18.95



BC-645/ABA-1 TRANSCEIVER
TRANSPONDER USED FOR FREIND
OR FOE IDENT. IN THE 460 TO
490 MHZ BAND. COMPLETE WITH
TUBES 4/7F7, 4/7H7, 2/7E6, 2/6
F6, 2/955 & 1/316.
SIZE: 11x6 1/2 x 14; WT: 20 LBS.
SOLD ONLY COMPLETE WITH DYNAMOTOR, CONTROL BOX
MOUNTINGS, UHF ANTENNA, PLUGS ETC. NEW \$29.95

RANGE RADAR INDICATOR



ID 169/APN 12 INDICATOR
OSCILLOSCOPE; USED TO
DETERMINE RANGE OF RADAR
NAVIGATIONAL BEACON
EQUIPMENT WHEN USED WITH
RADAR REC-TRANS UNITS
FOR WHICH IT WAS DESIGN-
ED. HAS VERTICAL, FOCUS,
SWEEP, INTENSITY CONTR-
OLS ON FRONT PANEL.
MOTORIZED COAXIAL SWITCHING UNIT FOR ANTENNAS
WITH TUBES 1/3BP1, 2/6H6, 2/6SN7, 1/6G6, 1/6X5, 1/
2X2. POWER REQUIRED 115 VOLT 400 CYCLE AND 24
VOLTS DC. (TRANSFORMER OUTPUT VOLTAGE APPROX.
425 VOLTS.) SCHEMATIC ONLY \$1
SIZE: 10x8x22; WT: 30 LBS. GOV'T RE-COND \$14.95

R-390A/URR RECEIVER



R 390A/URR RECEIVER,
TRIPLE CONVERSION SET
COVERING 0.5 TO 32
MHZ READ DIRECTLY
FROM COUNTER-TYPE IN-
DICATOR. 1ST IF VARI-
ABLE 17.5 TO 25 MHZ;
2ND IF 3 TO 2 MHZ; 3RD IF FIXED 455 KHZ.
RECEIVES CW, MCW AND VOICE; ALSO SINGLE
SIDE BAND AND FSK THROUGH USE OF BFO. WITH
BUILT-IN CRYSTAL CALIBRATOR EVERY 100 KHZ.
OUTPUT IMPEDANCE 600 OHMS; ANTENNA IMPED.
125 OHMS BALANCED. POWER REQUIRED: 115/230
VAC 60 HZ. SIZE: 10 1/2 x 19 1/2 x 16 1/2 WT: 90 LBS.
PRICE: USED REPARABLE \$450 USED CHECKED \$600
CU-286/FRR-33 ANTENNA COUPLER FOR R-390 RE-
CEIVER; RACKMOUNT. UNUSED \$75.00



R-388/URR RADIO RECEIVER, SUPERHETERODYNE
TYPE, 0.5 TO 30.5 MHZ—30 BANDS IN ONE MHZ
STEPS. WITH WIDE 6" BAND SCALE, THIS UNIT
IS CAPABLE OF BEING TUNED TO ANY AM SIGNAL
WITHIN ITS FREQUENCY RANGE IN EITHER MEGA-
CYCLES OR KILOCYCLES. R-388 FEATURES FIVE
STEP CRYSTAL SELECTIVITY, A CALIBRATED "S"
METER, AND SEPARATE CONTROLS FOR CRYSTAL
PHASING, BFO CRYSTAL CALIBRATOR, AVC NOISE
LIMITER, AND ANTENNA TUNING. FREQUENCY
STABILITY WITHIN 300 CYCLES; AUDIO OUTPUT
1.5 WATTS INTO 4 OR 600 OHMS. POWER REQUIRED:
115/230 V. 60 HZ. SIZE: 12 1/2 x 21 x 13 WT: 50 LBS.
PRICE: USED, REPARABLE \$350.00

RECEIVER



BC-229 RECEIVER A.M. T.R.F.
201 TO 398 KHZ AND 2500 TO
4700 KHZ BY USE OF PLUG-IN
COILS SUPPLIED WITH THE RE-
CEIVER. WITH TUBES 37, 38,
& 4/39. POWER REQUIRED FOR
FILAMENTS 12 VOLTS, HIGH
VOLTAGE APPROX. 200 TO 250 VOLTS DC @ 80 MA.
SIZE: 16x8x7; WT: 15 LBS.
PRICE: UNUSED WITH TUBES AND COILS \$9.95
CONNECTOR PLUG (1) REQ. \$1.50 TUNING KNOB \$1.
A.C. POWER SUPPLY 115 VOLT 60 HZ WITH SPEAKER
CONNECTING CABLE & PLUG. IN METAL CABINET
SWITCH, AND PILOT LIGHT. NEW \$21.95

CONTROL TRANS. TELETYPE



C-292/TRA-7 CONTROL
TRANSMITTER AND
TELETYPEWRITER; WHEN
USED IN RADIOTELETYPE
SYSTEM IT PROVIDES
FACILITIES FOR ESTABL-
ISHING FULL DUPLEX,
ONE-WAY REVERSIBLE,
EMERGENCY CW, OR FREQUENCY-SHIFT TRANSMISSION
OR RECEPTION. IT IS A REPEATER OF POLAR AND
NEUTRAL RTTY SIG. AND CONVERTS POLAR SIG. REC
FROM DUAL DEVERSTY CONVERTER INTO NEUTRAL TO
OPER. A REC. TELETYPEWRITER. IT ALSO TRANSLAT-
ES NEUTRAL SIG. FROM A SENDING UNIT INTO POLAR
SIG. FOR TRANS. OVER A WIRE LINE TO CONTROL
A FREQ. SHIFT EXCITER. WITH 16 TUBES.
POWER REQUIRED 115 VOLT 60 CYCLE.
SIZE: CHASSIS ONLY RACK MTG. 10 1/2 x 19 x 13. 60 LBS
PRICES: CHASSIS ONLY RACK MTG. USED \$19.95
WITH CABINET 21 1/2 x 12 1/2 x 17 (100LB) \$27.50
" " " 19 1/2 x 10 1/2 x 13 (90LB) \$24.75



Q-39/TRA-7 FREQUENCY SHIFT
EXCITER; FOR USE IN THE 2
TO 6 MHZ RANGE, VARIABLE
TUNING, MASTER OSCILLATOR
IS HOUSED IN HEATED OVEN
W/ THERMOSTAT FOR 60 DEG.
ALSO 850 CYC. AUDIO OSC.
AND BUFFER AMPLIFIER. FREQ. SHIFT 212.5 TO
850 HZ DEPENDING ON THE TRANS. USED.
WITH TUBES 3/6SJ7, 2/0C3, 6AL5, 6V6, 6SA7, 6E5 &
5R4. POWER REQUIRED 115 V. 60 CYCLE.
CABINET SIZE 13x21x16 1/2; 125LBS. USED \$39.50
CV-31/TRA-7 DUAL DIVERSITY CONVERTER, USED TO
CONVERT THE IF FERQ. OF TWO RECEIVERS INTO
POLAR AND NEUTRAL DC TELEGRAPH SIGNALS. REC.
ANTENNAS SITUATED IN DIFFERENT LOC. AND MIN.
FADING. SIZE: 19 1/2 x 19 1/2 x 19; 220 LBS. USED \$29.95



BD-71 SWITCHBOARD, PORTABLE
SIX LINE HAND-RINGING MAGNETO TYPE USING FLASHLIGHT BATTERIES FOR OPERATION. REPEATING COILS ON TWO LINES FOR SIMPLEXING, DROP SIGNAL AND NIGHT CALL BELL. CAN BE USED WITH ANY MAGNETO TYPE TELEPHONES SUCH AS EE-8, RM-29, BD-72, 89, 91, 96, ETC. IDEAL FOR FACTORY, CAMP, FARM OR MOTEL. WITH CHESTSET MICROPHONE AND HEADSET; FOLDING LEGS. 18x12x14 WT: 75 LBS. USED \$14.95

EE-8 FIELD TELEPHONE, PORTABLE
HAND-RINGING TYPE. CAN BE USED WITH ANY MAGNETO SWITCHBOARD SYSTEM LIKE BD-71, 72, 89, 91, 96 ETC. OPERATES FROM FLASHLIGHT BATTERIES UP TO 17 MILES. TWO OR MORE PHONES CAN BE OPERATED ON TWO WIRE LINES. WITH CARRYING CASE (MAY BE LEATHER, CANVAS, OR NYLON DEPENDING UPON AVAILABILITY), STRAP AND HANDSET. SIZE: 8x10x3 1/2 SHPG. WT: 18 LBS. PRICE: USED, CHECKED \$16.95



RM-52 REMOTE CONTROL UNIT (MACY'S PHONE PATCH)
USED FOR RE-CONTROL OF RADIO SET, OPERATES FROM 4 FLASHLIGHT BATTERIES. HAS MULTI-TAP TRANSFORMER, MIC, PHONE HIGH/LOW IMPEDANCE & JACKS. BASIC UNIT FOR MAKING MACY'S PATCH. SIZE: 7 1/2 x 3 1/2 x 5 1/2; WT: 5 LBS. PRICE: USED \$1.95 NEW \$2.95



WD-1/TT INFANTRY FIELD WIRE; TWO CONDUCTOR
TWISTED PAIR WITH FOUR TINNED-COPPER AND THREE GALVANIZED STEEL STRANDS PER COND. NYLON JACKET MOISTURE AND FUNGI RESISTENCE. 1250 FOOT ROLL (MAY HAVE GOV'T SPLICES) \$18.00



WD-36/TT WIRE AND DISPENSER;
CANADA WIRE AND CABLE COMPANY. TWIN, PARALLEL CONDUCTOR, NO. 23 WIRE WITH PLASTIC INSULATION. 2500 FOOT LENGTH. DISPENSER SIZE: 6 1/2" DIA. X 4". WT. 7 LBS. \$9.95



JB-70 JUNCTION BOX; USED
WITH BC-610 TRANSMITTER. FRONT PANEL HAS SWITCHES AND CONTROLS FOR REMOTE USE OF TRANS. HAS AC OUTLETS BOTTOM & SIDE, 4 HEADSET & 2 KEY JACKS, MIC PLUG, 2 WAFER, 4 TOGGLE, LEVER & START/STOP SWITCHES, CIRCUIT BREAKER, CABLES ETC. SIZE 19x13x5 1/2; WT: 40 LBS. PRICE: USED \$9.95



C-1151/TC TELEPHONE SET
WITH SUBCYCLE RINGER. SUBCYCLE RINGER PUTS-OUT 75 TO 100 V. 7.5 W, 16-2/3 & 20 CYCLE, TELEPHONE SYSTEM HAS PUSH-BUTTONS FOR SELECTION. STANDARD TELEPHONES WITH MATCHING RINGERS CAN BE USED FOR A PRIVATE TELEPHONE SYST. POWER REQ. 115 V. 60 CYCLE. RACK MTG. 19. SIZE: 19x10 1/2 x 23 1/2; WT: 60 LBS. UNUSED \$29.95 SUB-CYCLE RINGER ONLY \$18.50



C-113/TRC-1 CONTROL UNIT AND
INTERCOM SET FOR USE WITH REC TRANS. OR SEPARATE INTERCOM. OPERATES FROM 115 V. 60 CYCLE HAS MIC. AND HEADSET JACKS, BINDING POSTS TO CONN. WIRE, PL-68 PLUG & CABLE, 5 WIRE CABLE, ETC. IN WOOD CASE WITH STORAGE COMPARTMENT. SIZE: 14x9 1/2 x 12; WT: 25 LBS. USED \$6.95



RC-298 ARMORED TANK INTERPHONE
EXTENSION KIT; CONTAINS HEAVY GAUGE WATERPROOF STEEL BOX WITH H-22 HANDSET & COILED CORD, SIGNAL LIGHT, CALL SWITCH, VOLUME CONTROL ETC. REMOTE CALL BOX HAS 2 SW. SIGNAL LITE, CABLE CONN. ETC. CABLE 7 COND. 30 FT. HARDWARE KIT HAS 125 PCS. OF VARIOUS ITEMS, RUBBER TAPE, EXTRA SW, LENS AND LAMP ETC. SHPG. WT. 78 LBS. PRICE: NEW \$14.95



TA-1/PT TELEPHONE

SOUNDPOWERED TELEPHONE SET
WITH AUDIBLE AND VISUAL CALL SYSTEM. PALM OPERATED GENERATOR PUTS OUT APPROX. 100 V. THAT SOUNDS BUZZER IN OTHER PHONE AND ACTUATES VISUAL INDICATOR. COILED CORD WITH PUSH TYPE BINDING POSTS FOR INTERCONNECTING WIRES TO BE FASTENED TO. COMES WITH FIBER CARRYING CASE. SIZE: 8 1/2 x 3 1/2 x 3 1/2; WT: ACT 2LB USED \$29.50 PAIR 2



TA-312/PT TELEPHONE SET IS A RUGGED,
LIGHTWEIGHT, WATERPROOF FIELD TELEPHONE THAT CAN BE USED OUTDOORS ON A DESK OR WALL MOUNTED. HANDCRANK GENERATOR FOR RINGING BUZZER. REQUIRES 2 1/2 V BATT. FOR LOCAL USE NONE REQ. W/CB. UNIT COMES IN A CANVAS CASE & SHOULDER STRAP WITH ZIPPER. SIZE: 12x7x4; WT: 10 LBS. USED \$29.50



MULTIPEX

PHILCO CST-2 SIGNALING
AND TERMINATION UNIT. FOR USE IN MULTIPLEX SYSTEMS FOR TRANSMISSION OF DIAL OR RINGDOWN SIGNALING AND TERMINATES A FOUR WIRE CIRCUIT OF THE MULTIPLEX INTO A TWO WIRE TELEPHONE CIRCUIT. A 3.5 KC TONE IS USED FOR SIGNALING. ALSO HAS CONTROLS FOR PROPER ATTENUATION OF VOICE LEVEL. OPERATES FROM 115 V. 60 CYC. AND IS COMPLETE WITH 2 1/2 AU7 TUBES, RELAYS, RACK MTG. 19x4x12; WT: 25 LBS. PRICE: UNUSED \$9.95



TG-34 KEYER: CODE PRACTICE
SET USED TO REPRODUCE SIGNALS PREVIOUSLY RECORDED ON INKED PAPER TAPE, VARIABLE SPEED MOTOR, KEYING OSCILLATOR WITH SPEAKER, PHONE & KEY JACKS. POWER REQUIRED 115 V. 50/60 CYCLE. SUPPLIED WITH ONE EMPTY REEL. (PHOTO SHOWS REEL OF TAPE AS ILLUSTRATION ONLY.) COMES IN WOOD PORTABLE CARRYING CASE, SIZE 15x10x10; WT: 40 LBS. USED \$24.95; CNKD. \$29.50

CODE PRACTICE TAPES: MADE ESPECIALLY
FOR THE TG-34 KEYER, SAME GROUPINGS AND SPEEDS AS USED BY THE GOV'T. NOT MOUNTED ON METAL REELS. FIFTEEN (15) TAPES TO SET. \$2 EA TAPE

#1 TO 4 COVER DIFFERENT GROUPS WIDE SPACE LETTERS	#9 12WPM CODED/GR
#5 WIDE SPACE NUMBERS & LETTERS	#10 12WPM TACT/MESS
#6 5WPM NUMBERS & LETTERS	#11 12 " " "
#7 7WPM " " "	#12 15 " " "
#8 10 " CODED GROUPS OF 5	#13 15 " " "
	#14 20 " " "
	#15 20 " " "



RD-60/U CODE RECORDER
OF RADIO TELEGRAPH CODE SIGNALS. USES 3/8" WIDE, 800 FOOT ROLLS OF PAPER TAPE. RECORDS CODE SPEEDS UP TO 1000 WORDS PER MINUTE WITH A RECORDING TIME OF 26 MINUTES (LOW) OR 13 MINUTES (HIGH). INPUT SIGNAL FREQ. 500 TO 5000 HZ. INPUT IMPEDANCE 500 AND 5000 OHMS. OUTPUT IMPED. 6 OHMS. INCLUDED IS ONE PINT OF INK, 2 PENS, CLEANING MATERIALS, ADJUSTING TOOLS AND MANUAL. WITH TUBES 2/003, 0A2, 5V4, 6H6, 6L6, 6X4, 6SJ7, 6SK7. POWER REQUIRED: 115/230 VAC 50-60 HZ. SIZE: 19x16x12 1/2; WT: 150 LBS. IN WOOD CRATE. PRICE: UNUSED \$29.95



C-434/GRC CONTROL BOX
USED WITH GRC-TYPE EQUIPMENT OVER TWO-WIRE TELEPHONE LINE. HANDCRANK MAGNETO GENERATOR FUNCTIONS AS A SINGLE PHASE 20 HZ RINGER. AUDIO CONNECTOR ON FRONT FOR USE WITH H-33/PT HANDSET. CONTROLS FOR LOCAL AND REMOTE USE, CALL LIGHT AND ALSO TWO 30" CORDS WITH UG-77 CONNECTORS IN THE REAR COMPARTMENT. INTERNAL SWITCH FOR BELL OR LAMP SIGNAL. WITH TWO SIGMA 80C30 AND ONE GAC 21031 OCTAL RELAYS. (SEE PAGES 22 & 23 FOR SPECS.) UNIT USES TWO FLASHLIGHT BATTERIES. 10x8x3 1/2; WT: 12LB PRICE: USED \$10.95 LESS RELAYS \$6.95



AUTOMATIC ELECTRIC RELAY ASSEMBLY: 12
A/E TYPE RT-379-A1 RELAYS, 48VDC 10 AMP OPERATING 10 CONTACT ARRANG. #D-857697 AUTOMATIC LINE FINDER, RACK MOUNTING SIZE: 13 1/2 x 4 1/2 x 6 1/2; 12 LBS. PRICE: W/COVER NEW \$12.95

AUTOMATIC ELECTRIC SWITCH ASSEMBLY, COMBINED
HOWLER AND BREAKDOWN UNIT, 48 VOC, 4 DECK 26 CONTACT STEPPING SWITCH AND 5 RELAYS #D855332A RACK MOUNTING 13 1/2 x 4 1/2 x 6 1/2; 13 LBS. PRICE: W/COVER NEW \$10.95



STROWGER LINE FINDER AND RELAY UNIT, USED
IN CENTRAL OFFICE DIAL TELEPHONE EXCHANGE. THIS THE HEART OF THE SYSTEM AND IT HAS THE TWO BANKS OF CONTACTS AND WIPER CONTACT ARMS SHPG. WT: 15 LBS. #D580070/4D RE-MOVED \$15



STROWGER LINE FINDER AND RELAYS (8) WITH
2 BANKS OF CONTACTS AND WIPER CONTACT ARMS. SHPG. WT: 20 LBS. D240593 REMOVED \$17

REPEATER DIAL PULSE; TWO WAY OPERATION
8 TO 12 PULSES PER SEC. 2800 OHMS MAX. LOOP RES. SHPG. WT: 10 LBS. #D857917 REMOVED \$9.95

REPEATER #D857917-A, REMOVED, \$9.95

MODEL 14 TELETYPE TRANSMITTER--DISTRIBUTOR
SINGLE CHANNEL, SYNCHRONOUS CONTROLLED MOTOR 1/25 HP 2100 RPM, TAPE DISC NO. 77070, 60 WPM, POWER REQ. 115 V. 60 CYCLE. SIZE: 15 1/2 x 8 1/2 x 9; WT: 35 LBS. PRICE: USED \$18.95



TAPE, TELETYPEWRITER

TELETYPE PERFORATOR TAPE, 11/16" WIDE 900 FT. OILED ROLLS. \$.60 PER ROLL; 10 ROLLS \$5.00



TELEPHONE BOX

EE-91 TELEPHONE BOX WITH
PLUG-IN HANDSET. HAS CRANK GENERATOR FOR RINGING MAGNETO LINES; 3000 OHM LINE RESISTANCE TALKING CIRCUIT HAS 30 DB NET LOSS. DESIGNED FOR WALL MOUNT WITH MTG. FLANGES PROVIDED. REQUIRES 3 VDC FOR OPERATION. SIZE: 6x7 1/2 x 5 WT: 16 LBS. NEW \$19.95

OPERATOR'S CIRCUIT

TA-277/GTA-6 OPERATOR'S
TELEPHONE CIRCUIT FOR UP TO TEN LINES. EACH LINE HAS SWITCH WITH "TALK" AND "RING" POSITION. ALSO WHITE AND RED INDICATOR LIGHTS FOR EACH LINE. TWO INPUT JACKS. SIZE: 7x8x12 WT: 15 LBS. PRICE: RECONDITIONED, \$14.95



TS-27 LINE TEST SET



TS-27 LINE TEST SET;
PORTABLE UNIT USED TO MEASURE CONDUCTOR AND INSULATION RESISTANCE, LOCATE GROUND, SHORTS AND CROSSES. ALSO MEASURES CAPACITANCE AND LOCATES OPENS. WORKS AS A MODIFIED WHEATSTONE BRIDGE USING A SLIDE WIRE POTENTIOMETER FOR TWO VARIABLE RESISTANCE ARMS. RES. RANGE: 0 TO 50 OHMS; CAPACITANCE RANGE: .075 TO 3.0 MFD. WITH GALANMETER NULL METER (SENSITIVITY 1 UA PER DIVISION). CONNECTIONS FOR TELEPHONE, TEST CHARTS AND BRIEF INSTRUCTIONS INCLD. TEST LEADS NOT INCLD. BATTERY POWER REQUIRED: 90 VOC, 1.5 VOC, 4.5 VOC. BATTERIES NOT AVAILABLE. SIZE: 9x13 1/2 x 13 WT: 30 LBS. PRICE: USED SERVICEABLE \$49.50

Headsets — Telephone Equipment — Microphones — Handsets



HEADSETS

HB-7 HEADBAND W/ PL-54 PLUG ON 18" CORD(USED) W/NEW CHAMMOIS CUSHIONS. HS-33 600 OHM W/ NEW ELEMENTS \$9
 HS-23 2000 OHM NEW ELEMENTS \$8
 SEE BELOW CD-307 EXTENSION CORD.



HEADSET & BOOM MICROPHONE: SINGLE PHONE ELE. 300OHM 200 OHM MIC. 10' CORD, CHEST SWITCH 4 PRONG CANNON PL. ROANWELL 62890 USED \$9.95
 SIMILAR TO ABOVE 100 OHM M-87 MIC UG-161 PLUG. #10387 USED \$12.95



HS-230 HEADSET W/PL-54 PLUG ON 13" CORD, VELOUR TYPE CUSHIONS, 250 OHM ELEMENTS AS USED ON HS-30 HEADSET, HEADBAND, NEW, ELEMENTS USED, COMPLETE W/ ELEMENTS \$6.95 HEADBAND AND CUSHIONS ONLY \$4
 SEE BELOW CD-307 EXTENSION CORD.



H-113/U HEADSET 600 OHM SOFT PLASTIC EAR CUSHIONS 18" CORD W/ PL-54 PLUG THAT FITS JK-26 JACK (SEE CD-307 EXTENSION CORD ELSEWHERE ON THIS PAGE) WT: 3LBS. USED-EX \$3.95

H-63/U HEADSET 600 OHM BOOM MIC 100 OHM 14" CORD WITH PLUGS. \$4.95 USED MIC. OR PHONE ELEMENTS ONLY \$1 EA.



SECIFY OHMS YOU WANT 40 1250



D.C. OHMS GRAY PLASTIC BAND OVER METAL FRAME, RUBBER CUSHIONS, NO PLUG ON CORD. ELEMENTS ONLY FOR 1250 OHM 50¢



HS-30 HEADSET 250 OHM IMPEDANCE HEARING AID TYPE LIGHT WEIGHT HEADBAND 7 FOOT CORD WITH PL-55 PLUG (CD-605). USED \$2.75 EA.



DYNAMIC HEADPHONES 50 OHMS IMP. MOVING COIL TYPE, FRGH QUALITY REPRODUCTION, CHAMMOIS CUSHIONS AND "Y" CORD WITH PHONE PLUG. #ZA/CAN1638 UNUSED \$4.95



T-17 MICROPHONE CARBON 35 TO 90 OHMS WITH PUSH TO TALK SWITCH 5 FT. CORD WITH PL-68 PLUG THREE CIRCUIT. WT: 1LE
 PRICES. USED: \$6.95 RE-CONDITIONED \$8.50

H-62 HEADSET SAME AS H-113/U ONLY IN BLACK AND HAS PROVISIONS FOR SNAPPING ON LIP MICROPHONE CW-51071 LISTED BELOW. USED-EX. \$3.95

CW-51071 LIP MICROPHONE 100 OHMS IMPEDANCE W/ 2 SNAPS FOR FASTENING TO H-62 HEADSET, 14" CORD W/ PL-291 PLUG INTO EXTENSION CORD CD-318 LISTED ON THIS PAGE OR CW-49561 EXTENSION CORD LISTED BELOW USED \$1.00



T-24-S MICROPHONE HAND HELD BRASS CARBON MIC. W/50 OHM ELEMENT, PUSH TO TALK SWITCH, 5 1/2 FT. STRAIGHT CORD W/PL-68 PLUG. WT: 1 LB. PRICE: UNUSED \$3.95

CO-78 HEADSET "Y" CORD 7' LG. RUBBER COVER NO PLUGS, TERM. \$1.50

PL-204 PLUG: SINGLE HOLDER PL-68 & PL-55 SIDE BY SIDE. \$2.00

DOUBLE PLUG D178452 F/HEADSET SIMILAR 289 298. #3850 NEW \$1.50

SWITCHBOARD CORD 4 1/2' W/PL-47 #80-96 \$1.00



RS-38 MICROPHONE 100 OHM CARBON PRESS TO TALK SWITCH ON TOP 5 FT. CORD WITH PL-68 PLUG. W/STRAIGHT CORDS 5 FT. USED \$8.95 UNUSED \$12
 HS-16 HEADSET, IMPEDANCE 520 OHMS @ 800 CYC, 6 FT COTTON COVERED "Y" CORD WITH METAL TIPS. NEW \$3.95

TS-9 HANDSET WITH PUSH TO TALK SWITCH (NOT BUTTERFLY) WITH 3 COND. CORD 4' AND TERMINAL LUGS. NEW COND. \$4.95

TS-11 HANDSET; 4 COND-CORD, 5 1/2', CARBON MIC 50 OHM, PHONE 3500 OHM, W/PL-106 PLUG. NEW \$4.95

RS-83 100 OHM CARBON MICROPHONE W/ DETACHABLE CORD 4 1/2' & SW. SOUND POWERED HANDSET WITH COILED CORD 1-4' BROOK-TEL BTU-1 NEW \$13.95

H-22/U HANDSET 50 OHM CARBON MIC. 3500 OHM PHONE, "Y" CORD PL-68 & PL-55 SPRING COILED CORD 5' 10" PUSH T/T SW. UNUSED \$7.95
HANDSET HOLDER RUBBER COVERED AS ILLUSTRATED \$1.50 CAST ALUMINUM \$2.00



T-45 LIP MIC



H-140/GR HEADSET WITH 6' COILED COIL & U-182/U 5 CONT. PLUG. 500 OHM IMP. UNUSED \$14.95



T-30 THROAT MIC. Elements only \$1.50 a dozen

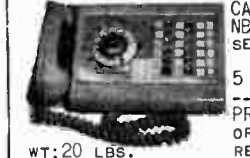


A-202 TELEGRAPH KEY ONLY, WITH ADJUSTABLE CONTACTS. SIZE: 4 1/2" x 1 1/2" x 1 1/2"; PRICE: \$1.25 EA THIS IS THE KEY USED TO MAKE THE TWIN PADDLE KEY DESCRIBED IN CST ARTICLE OF FEB. 1973. THREE A-202 KEYS ARE REQUIRED, PLUS 3 BINDING POSTS AND BASE. ALSO SMALL HARDWARE & FINDINGS. BY R.N. MASON W8NN 551 TURNER MA OH 45804



TWIN PADDLE KEY MADE FROM A-202 BY R.N. MASON W8NN 551 TURNER MA OH 45804

STANDARD TELEPHONE EQUIP.



CALL COMMANDER SWITCHBOARD NB-860 AS RE-MOVED FROM SERVICE. 12 LINES \$40.00 18 " \$50.00 5 LINE KEY BAR ONLY \$ 8.00

PRINCESS TELEPHONE, BEIGE OR WHITE, NO RINGERS, AS REMOVED FROM SERVICE \$14



DESK SET (AE) WITH DIAL, 6 BUTTON 5 LINE 1 HOLD, WITH CORD, CABLE & PLUG, AS RE-MOVED FROM SERVICE \$15

DESK SET (SC) WITH DIAL, SIMILAR TO AE. SC#1543 RE-MOVED F/SERVICE \$9

AMPLIFIED HANDSET WITH VOLUME CONTROL J11 \$12

WE F-1A 20 CYCLE CHIME RINGER RE-MOVED. SER \$6

STANDARD TYPE TELEPHONE BUTTONS U-1 OR T-1 \$1

DESK SET AE 850 WITH DIAL 2 LINE W/ CABLE, AS REMOVED FROM SERVICE, NO COLOR CHOICE IF AVAILABLE, WILL SEND \$13



DESK SET, MODERN AE ARB-6000, 5 LINE, 1 HOLD, 6 KEY, W/ DIAL CORD & PLUG, COLORS NO FIRM CHOICE, WILL SEND IF AVAILABLE, REMOVED F/SERVICE \$22

WE LOUD BELLS #592; STRAIGHT LINE RINGER REMOVED FROM SERVICE. 2/3" GONGS \$10

ALL TELEPHONE EQUIPMENT ABOVE FOR 20 CYC RING

HANDSET HOLDER FOR HORIZONTAL MOUNTING, SIZE 1 1/2" x 3" #6988 \$.50

TELEPHONE SWITCH KEY IN METAL BOX FOR MTG. LEVER TYPE SWITCH. MIC-88003 FOR 2 OR 3 LINE. (SPECIFY) \$3.95

T-45 MICROPHONE CARBON TYPE 100OHM 50DB BELOW 1 MILL-VOLT, FLAT RESPNS WITH PL-291 2 CONT MALE PLUG, 11" CORD NEW \$2.00



T-30 MICROPHONE CARBON TYPE, 75 OHM 50DB BELOW 1 MILL-VOLT, FLAT RESPNS WITH PL-291 2 CONT MALE PLUG, 11" CORD PRICE: USED \$3/1.50



CD-307 CORD EXTENSION FOR CORDS WITH PL-54 PLUG AS USED ON HEADSETS, 65" LG WITH JK-26 JACK & PL-55 PLUG. USED \$1.00



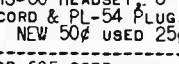
PL-55 RECEPTACLE WITH PL-55 PLUG ON END 3 FT. CORD #R16-G34820 NEW \$1.00

CD-318 EXTENSION CORD WITH PL-291 2 CONTACT FEMALE PLUG TO FIT T-45 & T-30 MICS. SW-141 SWITCH & PL-68 MIC PLUG ON 7 FT. CORD USED \$1.00



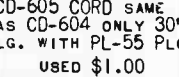
CD-604 CORD WITH IMPEDANCE MATCHING TRANSFORMER 500OHM TO 4000, USED WITH HS-30 HEADSET, 6" CORD & PL-54 PLUG. NEW 50¢ USED 25¢

PL-68 MIC PLUG 30" CORD 75¢



CD-605 CORD SAME AS CD-604 ONLY 30" LG. WITH PL-55 PLG USED \$1.00

JK-33 JACK TO FIT PL-68 MIC. PLUG. USED 5 FOR \$1.00



PL-55 PHONE PLUG 30" CORD 75¢

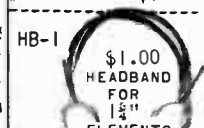


COILED CORD SETS

THREE CONDUCTOR 12" to 72" 75¢ 24" to 36" 50¢
 FOUR CONDUCTOR 12" to 36" \$1.00
 ONE CONDUCTOR #18 6 FT.-18 FT. \$1.00

MC-385 HIGH to LOW

ADAPTER IMPEDANCE FOR HEADSET 4000-6000OHM USED \$.50 NEW \$.75



HB-1 \$1.00 HEADBAND FOR 1 1/2" ELEMENTS WITH 8000 OHM ELEMENTS & CORD \$2.95



STANDARD TYPE TELEPHONE HANDSET AND CORD. \$2.50 NEW \$4.50



STANDARD TELEPHONE DIAL USED \$1.50

TELEPHONE BELLS USE AS EXTENSION OR IN SHOP ETC. 2 LB. 4x4x1 483661A \$1.50

TRAILER LIGHTS
BALANCING LOAD
ASSY. USED FOR
TAIL AND STOP
LIGHTS. CONTAINS
RESISTORS 1.1
40 WATT, 1.5
40 WATT, .6 &
.8 OHM 70WATT
SIZE 7x2x4;
3 LBS. MOPAR#B7015812 \$1.50



TELEMETER PROGRAM SELECTOR
USED FOR PAY TELEVISION.
CHOICE OF 3 PROGRAMS, PRE-
RECORDED TAPE GIVES PROGRAM
INFO. & AMOUNT OF MONEY
THAT IS TO BE PUT IN REGISTER
FOR EA. PROGRAM, AS
SHOWN ON THE COIN REGISTER.
A 8 MC. SIGNAL IS USED TO
TRIGGER THE MECHANISM AND
WE ASSUMED A 35 MC SIGNAL
CARRIES THE VIDEO AND VOICE
(ITEMS LISTED BELOW ARE PART
OF THIS UNIT AND CAN BE
PURCHASED SEPARATELY.)
SIZE: 15x7x7; WT: 25 LBS.
COMPLETE UNIT #1001/5 \$9.95

HIGH IMPACT PLASTIC CABINET
ONLY #TELE-CAB.1001 \$3.00

COIN REGISTER
MECHANISM
CONTAINS TWO
ACTUATING
PLATE TYPE SEL
ENIODS 300 AND
120C OHMS.
CRAMER 115V60 CYCLE, 5 RPM
SYNCHRONOUS MOTOR, OPEN FRAME
115 V. 60 CYC. GEARED MOTOR,
WITH GEARED MECHANISM
AS USED IN COIN OPERATED TV
PROGRAM SELECTOR SYSTEM.
ALSO GEARS, LITES COIN NUMBER-
ING RECORDING DIALS ETC.
SIZE: 7x5x6; WT: 8 LBS.
TELE-REG.#1004 RE-MOVE \$5

TAPE MAGAZINE 1/4"
66 FT. CONTINUOUS
LOOP TYPE. HAS REC-
ORDING HEAD, FOR
20 RPM OPERATION.
USED WITH COIN
REGISTER DISCRIB-
ED ABOVE. (NOT MOTORIZED)
SIZE: 4x6x3; WT: 2 LBS.
TEL-TAPE#1003 RE-MOVE \$3.00

TELEMETER CHASSIS; WITH 4"
SPEAKER, 2 PLATE RELAYS, R.F.
COILS FOR 8 MC. 115 V. 60 CY
POWER SUPPLY, OUTPUT 150VDC
100MA & 6.3V3A. 8135 CRYST.
W/TUBES 3/6U8, 6BE6, 6BA8 &
12B7 1EA. SIZE: 10x6x6; 1 LB
TELE-CHASSIS#1002 RE-MOVE \$7

BRUSH SETS

BD-77
PE-73
DY-17
\$5.00
PER SET

DM-21	DM-25	DM-28	DM-32
DM-33	DM-34	DM-35	DM-36
DM-37	DM-40	DM-41	DM-42
DM-43	DM-45	DM-53	DM-64
BD-33		BD-93	BD-69

OTHER TYPES ALSO AVAILABLE
SET OF FOUR BRUSHES \$1.00

TIME-O-MATIC
SIGN. CONTROL
MODEL 53 K-156
115 VOLT 60 CYC.
TWO CONTACTS 15
AMPERES EACH, ONE
CONTACT MAKES &
BREAKS EACH SEC.
THEN MAKES FOR 7
SEC. OTHER CONTACT
MAKES FOR 11 SECONDS
THEN BREAKS FOR 3 SECONDS
JUST AFTER FIRST CONTACT
FINISHES MAKING & BREAKING
SIZE: 2x4x6; 3 LB. \$2.95

TIME-O-MATIC
SIGN. CONTROL
MODEL 53 K-155
115 VOLT 60 CYCLE, THREE
CONTACTS 15 AMPERES EACH,
TWO (2) CONTACTS ALTERNATE
MAKE AND BREAK ONCE PER
SECOND FOR 15 SECONDS,
OTHER CONTACT BREAKS FOR
20 SEC. WHILE THE OTHER 2
ARE ALTERNATING THEN ALL 3
MAKE AT THE SAME TIME.
THEN CYCLE REPEATS AGAIN.
SIZE: 3x5x6; 3 1/2 LBS. \$4.95

KEY SELECTOR
CONSISTS OF
MANUAL CLOCK
MECHANISM FOR
SENDING 17 IM-
PULSES, CAN BE
SET TO CALL ANYONE AT 78
STATIONS, SPST LEVER SWITCH
2x2x4 1/2; 4C5100.60A \$2.95

SYNCHRON CLOCK
MECHANISM, No.610
110 V. 50 CYCLE
3 WATT 1 RPM #EC-
129RB, WITH GEAR
ASSY, NO RESET OR
COVER. 2x2x2 1/2; 4oz. \$1.35

HANSEN SYNCHRON CLOCK MOTOR
110 VOLT 60 CYCLE ONE R.P.M
MODEL 600 \$1.50

HANSEN SYNCHRON CLOCK MOTOR
110 VOLT 60 CYCLE 10 R.P.H.
MODIFIED WITH SLEEVE OVER
SHAFT TO 24 R.P.H.
#A12-RC-12-62 \$1.50

CRAMER TIMER SWITCH ASSY.
MODEL TC-60SEC, 230 V 60
CYC, SWITCH 5 AMP. CONT.
3.8 W. 4/5 RPM MOTOR. \$1.95

TIMER 115 VOLT
60 CYCLE 1 RPM
WITH 15 AMP.
115 VOLT 60 CY
MICROSWITCH.
ACTUATING WHEEL
CAN BE NOTCHED
FOR SHORTER
PERIOD OF CONTACT.
SIZE: 3x2x2; WT: 3 OZ.
HAGAN#04465 RE-MOVED \$2.95

TIMER
SPRING WOUND
360 DEGREES
ONE HOUR, CAN
BE TURNED
ANY DEGREE &
BELL WILL
RING WHEN
SPRING IS UN
WOUND. SLOTTED & FLATTENED
SHAFT FOR KNOB. LUX#230
SIZE: 2 1/2 x 1 1/2; WT. 4 OZ. \$1.00

AS-207/CRT-3 ASSY
WITH 300 FOOT OF
16 STRAND BRAIDED
CADMIUM ALLOY
PER WIRE ON RL-48
REEL WITH CRANK
MOUNTED TO
ALUMINUM
DOOR WITH ADJUST
ABLE BRAKE AND SNAP SWIVEL
USED AS ANTENNA FOR GIBSON
GIRL TRANSMITTERS, WIRE IS
ATTACHED TO BALOON OR KITE
WHICH IS NOT SUPPLIED.
SIZE: 4x2; 2 LBS. \$5.95

ME-57
AIRCRAFT
TRAILING
ANTENNA
WIRE WITH
WEIGHT &
CANVAS BAG
W-106A COPPERWELD WIRE #18
250 FT. ON M--235 BOBBIN
USED WITH RL-42 REEL \$4.95
WT-7A WEIGHT (4x2x2) ON 12"
LEADER, 3 LBS. WT. \$3.95
BOTH ITEMS IN CANVAS BAG
USED W/RL-42 REEL \$8.50

ALPHA-NUMERIC
NIXIE TUBE 16
SEGMENT NIXIE
CREATES ALPHABET
AND NUMBERS 0-9
IN A SINGLE TUBE
CHARACTERS ARE
2 1/2" TALL AND MAKE
UNUSUAL DISPLAY
EFFECTS, 170 VOL
REQUIRED. W/INST
RUCTION CHART.
TUBE SIZE 2x4 1/2; \$7.97
PRICE: \$2.95 EA. 2/\$5.00
SOCKETS 75¢ EA. 2/\$1.25
SOCKETS NOT SOLD SEPARATELY
CHARTS ONLY 50¢ EA.

VERNIER SET ATC
TIMER WITH 15 MIN.
TIMING PERIOD.
SYNCHRONOUS MOTOR
OPERATES FROM 230V
60 CYC AND HAS SPDT
CONTACTS FOR CON-
TROL OF INDUSTRIAL
EQUIPMENT.
SIZE 6 1/2 x 5 1/2 x 3 1/2
WT. 5 LBS.
PRICE \$9.95 NEW

IMMERSION HEATER
24 VOLT AC/DC 50 W.
WATTS
2 GALLON, 3" PRESS
CAP, 4 1/2" SCREW CONE, 12"
HEATING ROD & 5 FT. CORD.
WT: 4 LBS. #LFCEA8801 \$2.95

TIMER RELAYS

ONE FIFTH RPM
TIMER RELAY, 6
VOLT 70 MA WITH
HAYDON TIMER
AND THREE SPDT
MICROSWITCHES
ROTATING CONTACT DISCS ARE
VARIABLE FROM 0 TO 2 1/2 MIN-
UTES IN CONTACT TIME. 4x3
x2; WT: 1 LB. #5945-255-
7144 PRICE: NEW \$5.95

ONE RPM TIMER
RELAY, 24 VOLT
OPERATION WITH
CLUTCH-TYPE
DRIVE. INCLUDES
6V. 70 MA HAYDON TIMER AND
THREE SPST MICROSWITCHES,
TWO FOR CIRCUIT CONTACT,
THE THIRD FOR RESET. 5x2 1/2 x 3
WT: 1 LB. #5635 NEW \$5.95

BELL 1" GONG 3 VDC
EDWARDS #13 LUNGEN
SIZE 1, CHROME PLATE
USED WITH BD-71-72
SWITCHBOARDS.
SIZE 3/8x1x3; 2 OZ.
#42416 59¢ 2/\$1

LARGE BELL

BELL SYSTEM BELL 6 VOLTS
1 1/2" INCH GONG, 2 1/2 x 5 1/2"
OVERALL BELL#7-C \$2.95

ALLIGATOR CLIP WITH
PINCH SPIKE JAWS
AND SCREW HOLDER
FOR WIRE,
2" LONG,
12 FOR \$1.00

RADIO
FREQUENCY
SECTIONS
TRANSMITTER
RECEIVER
418-462 MC
PART OF
R/T-7/APN1

TRANSMITTER SECTION OSCILL-
ATOR CAN BE ADJUSTED BETW-
EEN 425-440 MC. WITH TWO
55 TUBES (NO WOBULATOR)
HOUSED IN ALUMINUM CAN 2 1/2 x 3
1/2; 2 LBS. RE-MOVED FROM
EQUIPMENT.
RECEIVER SECTION, BALANCED.
DETECTOR WITH 2-9004 TUBES.
HOUSED IN ALUMINUM CAN 2 1/2 x
3 1/2; WT: 2 LBS.
RE-MOVED FROM EQUIPMENT
RT-7/APN-1 RECEIVER OR TRAN-
SMITTER SUB-ASSEMBLY
PRICE: WITH TUBES... \$1.50
LESS " .75

BROADBAND TUNER
14 TO 50 MC
VARIABLE
CAPACITOR
COUPLED TO
VARIABLE
INDUCTOR,
AS CAPACI-
TOR IS RO-
TATED, IRON
SLUG IS
MOVED IN
AND OUT OF
COIL. BALANCE
OF ASSY. CONSISTS OF CERAMIC
DIAL SOCKET, RESISTORS AND
CONDENSORS TO MAKE RF TUNER.
SIZE: 3 1/2 x 2 x 3; WT: 1 LB.
RT-45 TUNER ONLY. \$1.95

VARI-GON PHASE
SHIFT CAPACITOR
V-42, USED FOR
ACCURATE MEASUR-
EMENT OF TIME
INTERVALS IN
RADAR SYSTEMS.
CAPACITY OF INPUT PLATE TO
HOUSING 4.4 MMF. OUTPUT
PLATE 15.6 MMF, CAP. VAR.
OF INPUT TO OUTPUT PLATE
1.2 TO 4.9 MMF.
SIZE: 2 1/2 x 1; 1 LB. \$2.95

CAPACITY TUNER
WITH AUTOTUNE
160 TO 211 MC
WITH COND.
RESISTORS
2/50-239
1/2C26
TUBE.
7 1/2 x 5 1/2 x 5
7 LBS.
WITH TUBE \$2.95

RT-58/ARC-12 CHAN-
NEL SELECTOR AND
MOTOR ASSY. 10
POSITION AUTOTUNE
MOTOR DRIVEN 26.5
VDC WITH 2 SHAF-
T S 60 RPM ALSO
RELAYS. 4 1/2 x 6 x 3 1/2;
5 LB. #596C-1 \$2.95

BUZZER 24/28
VOLTS D.C IN
SEALED CAN.
TWO HOLE MTG.
SIZE: 3x2x1 1/2;
WT: 1 LB. #MH-12079 \$.75

RATE-GYRO
No. 8511364
28 VOLTS D.C
GYRO MOTOR
WITH POTENTI-
OMETER.
WESTERN
ELECTRIC
GA-10147--3
SIZE: 2 1/2 x 2 1/2 x 4; WT: 3 LB. \$4.95

AUTOMOTIVE
THE AUTOMOTIVE TEST EQUIP-
MENT LISTED BELOW IS FROM
THE HEYER INDUSTRIES DYNA-
VISION AND MOTOR TUNE-UP
EQUIPMENT LINE MADE FOR
SERVICE STATION USE AND EVEN
THOUGH IT IS OF OLD DESIGN
IT MAY BE STILL BE USED FOR
WHAT IT WAS INTENDED BUT WE
DO NOT MAKE ANY GUARANTEE

COIL & CONDENSER
TESTER W/OHMME-
TER
FOR AUTOMOTIVE USE
VIBRATOR SUPPLIES
THE NORMAL CURRENT
TO THE COIL AT PRO-
PER DVELL. CAPACI-
TORS ARE CHECKED
FOR CAPACITY, LEAK
AGE, RESISTANCE ET
ASIDE FROM THESE
METER ALSO HAS A

#332 100,000 OHMMETER
SCALE. METER IS 4 1/2" SATIN/
CHROME 500 MUA 2% ACCURACY.
VOLTAGE REQ. 6/12 VDC #332
W/TUBES 1/12AU7, 1/0A2, 1/6X4
SIZE: 14x5x6; 10 LBS \$14.95 U

MODEL #337 TACH &
VOLTMETER; FOR AUT
OMOTIVE USE. TACH
RANGES 0-1000 & 0-
5000 RPM. VOLT DC
RANGE 0-18 ALSO
PROVISIONS FOR
PLUGGING IN TIMING
LITE. W/TUBES 1/
0A2, 1/2021. METER
4 1/2" CHROME 500 MUA
FOR 6/12 VDC OPER.
SIZE: 13x5x5; 8 LBS. \$14.95 U

DUAL TESTER; R.P.M.
0-1000 & 0-5000 sc.
VOLTS SCALE 0-18 VDC
LOWER METER IS FOR
TESTING SPARK ADVAN-
CE. ALSO PUG FOR
TRANSUCER ADAPTER.
USES TUBES 1 EA. 2021
6AL5, 6AU6, 5696 AND
2/0A2. TWO 4 1/2" METER
500 MUA CHROME. COND. USED
SIZE: 13x5x5; WT: 13 LBS.
LESS TUBES \$9.95 W/TUBES \$15

IGNITION TESTER
MODEL NO. 327
0-30 SCALE FOR
CHECKING VOLTS &
AMPS. ALSO
SCALE MARKED LOW,
AVERAGE FOR IGNI-
TION SYSTEM.
METER 4 1/2" 500
MUA CHROME FIN-
ISH.
SIZE: 11x6x4; 8 LBS. U \$14.95

BATTERY TESTER
AN1000 304B
FOR 6/12 VDC
METER 4 1/2" SHOWS
IF BATT. NEEDS
RE-CHARGING,
RE-PLACEMENT
ALSO CHARGING
RATE, LOW, NORMAL
HIGH ETC. 3 FT.
CABLE WITH TEST
PROBE. RUGGED IZ
ED PLASTIC CASE
AND METER FACE.
SIZE: 4 1/2 x 4 x 3; 3 LBS. NEW \$3.95

TACH. RPM. 100's METER
0-70 SCALE, 1 MA. MOVEMENT
SIZE 4 1/2 x 4 (NO CASES OR GLAS-
S) #6412705 \$2.50
FAN SHAPED METER 0-70 SCALE
1 MA. MOVEMENT 3 1/2". (NO GL
ASS OR CASE) #186 \$1.50

MODULAR POWER SUPPLIES



LAMBDA MODULAR POWER SUPPLIES, RUGGED SOLID-STATE. REGULATED 0.03%. REMOVED FROM EQUIPMENT BUT IN EXCELLENT CONDITION. RATINGS ARE BASED ON A 60 HZ VAC INPUT; OUTPUT V-% AND AMPS @ 40° CENTIGRADE.

MODEL	INPUT	OUTPUT	PRICE
LMB-5	105-132	5V	3.7A \$70.00
LMB-20	105-132	20V	2.7A 60.00
LMCC-5	105-132	5V	10.5A 100.00
LMCC-5V	205-250	5V	10.5A 100.00
LMCC-20	105-132	20V	5.0A 100.00
LMCC-20V	205-265	20V	5.0A 90.00
LMD-20	105-132	20V	7.4A 115.00
LMD-20V	205-265	20V	7.4A 115.00
LME-5	105-132	5V	20A 140.00

PACKAGE SIZE: (B) TYPE; 3x5x6; (CC): 5x5x9; (D): 5x7x9; (E): 5x7x11.

LRA-3 MOUNTING RACKS FOR THE ABOVE WILL HOLD THE FOLLOWING COMBINATIONS: 4 EA (A,B,OR C) 2 EA (D OR E); 2 EA (A,B,OR C) PLUS 1 EA (D OR E); 3 EA (CC). SIZE: 5x19x24 PRICE: UNUSED, \$17.95

LRA-6 RACK, HOLDS SAME COMBINATIONS AS LRA-3 BUT OFFERS BETTER SUPPORT. SIZE: 5x19x14 PRICE: UNUSED, \$29.95

OVER-VOLTAGE PROTECTORS FOR USE WITH THE ABOVE LAMBDA POWER SUPPLIES:

LM-OV-1	3-8 VDC	UNUSED-BOXED	\$15.00
LM-OV-2	6-20 VDC	UNUSED-BOXED	\$15.00
LM-OV-3	18-70 VDC	UNUSED-BOXED	\$15.00

LAMBDA HIGH CURRENT POWER SUPPLIES, LTD. QTY

MODEL	INPUT	OUTPUT	PRICE
LMF-5	3x19x16	105-132v. 5V 48A	\$300.
LMF-A-5	"	105-132v. 5V 31.5A	\$275.
LMF-5V-0V-V	"	205-265v. 5V 48A	\$300.
LMF-20	"	105-132v. 20V 23A	\$250.
LMF-A-20	"	105-132v. 20V 16A	\$250.
LMF-20-V	"	205-265v. 20V 23A	\$250.

OTHER MANUFACTURER'S SOLID-STATE REGULATED POWER SUPPLIES WITH 60 HZ INPUT VOLTAGES:

MODEL	INPUT	OUTPUT	PRICE
HT-39-1.75A-5.15	115v.	39V 1.75A	\$50.
HT-20-5.6A-515	115v.	20V 5.6A	\$75.
HS-20-15.5-896	220v.	20V 15.5A	\$100.
NJE-HS-20-15.5-515	216-264v.	"	\$100.

DESSER-BARNES WITH REMOTE SENSING,

26859	210-250v.	20V 3A	NEW \$60.
26858	210-250v.	20V 9A	NEW \$100.
27091	208, 220, 240v.	THREE PHASE, UNREGULATED, 10V 6A AND 50V 3A	NEW \$50.

ELECTROSTATICS MODEL 50; INPUT: 103-127 v. 50-400 HZ. OUTPUT: 18-22 VDC @ 2 AMPS. LESS COVER. 6x5x4 WT: 10 LBS. NEW \$35.

SOLID-STATE POWER



SOLID STATE POWER SUPPLY; REGULATED OUTPUT: 22 v. 8 AMPS. AND AN UNREGULATED 24 v. 2 AMP OUTPUT. POWER INPUT: 115/230 VAC 45-65 HZ. SIZE: 17x5x9 WT: 40 LBS. MILEX #321-1007G, UNUSED \$75.00

WANLESS 1-0LM IC POWER SUPPLY; OUTPUT: 24 v. @ 2.5 AMPS. REGULATED; AUTOMATIC FOLDBACK CURRENT LIMITING. FLOATING + AND - OUTPUTS. AC INPUT; SOLID-STATE. SIZE: 5x5x6; WT: 10 LBS. NEW, \$45.00



GENERATOR

GENERATOR
G - 24
AC - DC

115 V. 800 CYC 10.5 AMPS.
24 V. D.C. 60 " "
SPLINE SHAFT SIZE 7/8x1 1/2
SIZE: 6x7x13; WT: 45 LBS.
RE-COND. \$24.95



D.C. GENERATOR 30 V. 200 A.
4400 TO 8000 R.P.M. 2 1/2 x 1 1/2 IN
SPLINED SHAFT, FLANGE MTG.
SIZE: 10x6x8; WT: 36 LBS.
GE#20CM637B RE-COND. \$24.95

VOLTAGE REGULATED POWER SUPPLIES



LAMBDA

MODEL #28 200-325 VDC @ 100 MA. & 6.3 VAC @ 3 A. RACK MTG. \$20

MODEL # 28M WITH METERS \$30

MODEL #29M WITH METERS 100-200 vdc @ 100 MA. 6.3 VAC @ 3A. R-MTG \$35

MODEL #33M w/METERS 100-200 vdc @ 300 MA. 6.3 VAC 2/6.3x5A. R.M.\$45

MODEL #50M w/METERS 0-500 vdc @ 500 MA. w/VAR. TRANS. 2/6.3VAC5A. F/BENCH USE \$100

MODEL C-280 0-200 vdc @ 200 MA. 1/6.3 VAC 10 A. \$55.00

MODEL C-280M w/METERS \$65.00

MODEL C-281M w/METERS 125-325 vdc @ 200 MA. 6.3VAC@10A. RACK M \$40.

MODEL C-480 0-200 vdc @ 0-400 MA. 6.3 VAC@15A. w/VAR. TRANS RM \$65

MODEL C-480M w/METERS \$75

MODEL C-481M w/METERS 125-325 vdc @400 MA. 6.3VAC@10 RACK MTG \$50

MODEL 1581M w/METERS 125-325 vdc @ 1-1500 MA. w/VAR. TRANS. 6.3VAC @ 30 A. RACK MTG. \$125

OREGON ELECTRONICS VARIABLE VOLTAGE REGULATED POWER SUPPLY. 0-150 & 0-600 vdc @ 500 MADC AND 6.3 VAC 10 A. MODEL D-6 RACK M \$50

SOLA D.C. POWER SUPPLY 281024-1 28 VDC @ 6 A. RACK MTG. \$40

MANY OTHER POWER SUPPLIES IN STOCK WRITE AND TELL US WHAT YOU REQUIRE

DYNAMOTORS

TYPE USED RENEW TYPE USED RENEW

DM-25	2.95	4.95	D-401	6.95
DM-28	6.95		D-402	6.95
DM-32	2.95	4.95	D-401(SPEC)	8.95
DM-32(12 v)	4.95	DY-9	9.95	
DM-33 (WRITE AV)	DY-10	12.95		
DM-34	2.95	4.95	DY-17	12.95
DM-35		20.00	DY-21	8.95
DM-36	2.95	6.95	DY-22	9.95
DM-37		13.00		
DM-40	5.95	DA-6A	8.95	
DM-41	5.95	DA-1F	11.00	
DM-42		15.00	DA-14	8.95
DM-43		15.00		
DM-53	4.95	BD-77	19.95	
DM-53	5.95	(12V) BD-83	8.95	
DM-64	7.95			

ADVISE US OF YOUR REQUIREMENTS OR WRITE FOR SPECS. PE-86 5.95 PE-98 8.95 (COMP) PE-98 4.95 (DYN) PE-94 9.95

CARTER MA-2563; INPUT 6 vdc 6.3 A. OUTPUT 250 vdc 30 MA. SIZE 3x5x3; WT. 6 LBS. USED \$4.95

41S14 F/COLLINS 618; INPUT 27.5VDC 22 AMPS. OUTPUT 650 vdc 550 MA. & 250 vdc @ 150 MA. SIZE 9x14 N \$15

CARTER 6338S2B; INPUT 12 vdc 25 A. OUTPUT: 600-650 vdc @ 300 MA. SIZE: 6x4x3 1/2; 12 LBS. NEW \$20.00

INVERTERS



EICOR INVERTER X3516-1
INPUT: 27.5 VDC 165 AMPS.
OUTPUT: 115 VOLT 400 CYCLE
2500 V.A 1 PHASE
SIZE: 16x11x8; WT: 75 LBS.
EXCELLENT COND. \$49.50

PE-2180 INVERTER
INPUT: 25/28 VDC 80-90 AMP
OUTPUT: 115 V 400 CYCEE
13 AMP; 1 PHASE
SIZE: 17x10x9; WT: 75 LBS.
PRICE: UNUSED \$50.00

5D21NJ3A INVERTER
INPUT: 27 VDC 35 AMPS.
OUTPUT: 115 VAC 400 CYCLE
1 PHASE 2.17 AMPS.
SIZE: 9x6x5 1/2; WT: 25 LBS.
USED \$16.95 UNUSED \$24.95

MG-149F INVERTER
INPUT: 24 VDC 36 A. 750 VA.
OUTPUT: 115 V. 400 CYCLE
1 PHASE 500 VA & 26 V. 400 CYCLE 1 PHASE 250 VA.
SIZE: 12x8x8; WT: 25 LBS.
PRICE: GOV. RECORD. \$39.50

INVERTER
INPUT 27.5VDC 60A
OUTPUT 115 V 400 CY
750 W 3 PHASE
26 V 400 CY
50 W 1 PHASE
SIZE 11x10x6; WT: 40 LBS.
LELAND#10285 USED \$34.95

JACK & HEINTZ INVERTER
INPUT: 27.5 vdc 150 AMPS.
OUTPUT: 115/200 VAC 1/3 PHASE
2250/2500 VA 400 CYC
SIZE: 20x12x8; WT: 75 LBS.
J&H F-45-3 OR EQUAL USED
PRICE: USED, REPARABLE \$75

INPUT: 24 VDC @ 75 AMPS.
OUTPUT: 115 V. 800 CYC.
1 PHASE
10.5 AMPS.
WT: 35 LBS.
SIZE: 4x6x12.
UNUSED \$14.95

F-132 INVERTER
INPUT 27.5 vdc @ 100 AMPS.
OUTPUT 115 v. 400 CYCLE
1500 VA 3 PHASE
SIZE: 16 x 11 x 7; WT: 55 LBS
PRICE: USED \$75.00

F-147 INVERTER
INPUT 27.5 vdc @ 180 AMPS.
OUTPUT 115 v. 400 CYCLE
2500 VA 1 PHASE
SIZE 18x11x7; WT: 75 LBS.
PRICE: USED \$75.00

JACK & HEINTZ INVERTER
#AN-3532-2 INPUT 27.5 VDC @ 20 AMPS. OUTPUT 115 VOLT 400 CYCLE, 3 PHASE, 250VA VOLTAGE REGULATED.
SIZE: 12x7x4 1/2; WT: 20 LBS.
FED#6125-617-0967
USED \$14.95 RE-COND. \$22.95

M4A1 PERISCOPE WITH TELESCOPE M77C, 1.5 POWER, COATED OPTICS, ERECT IMAGE ADJ. FOR ELEVATION AND DEPTH. ALSO MIRROR TYPE PRISMS EACH END OF PERISCOPE. SIZE: 6x11x1 1/2; WT: 9 LBS. PRICES: COMPLETE UNIT \$12. PERISCOPE LESS TELESCOPE \$7. TELESCOPE ONLY M77C \$8. PRISMS ONLY \$1.50

VIBRATOR POWER SUPPLY, USED WITH AN/PIP-1A PUBLIC ADDRESS SYSTEM. INPUT: 5.2 TO 6.2 DC VOLTS; OUTPUT: 300 VDC 60MA, 50 VAC. SIZE: 4x3x2 1/2 3 LBS #H17VD-11077 NEW \$9.95

PE-104 POWER CONVERTER. 6 OR 12 VDC INPUT, OUTPUT 90 VDC, 1 1/2 VDC AND -45 VDC. SIZE: 4x4x7; WT: 10 LBS. NEW \$3.95 w/EXTRA VIB. \$4.95

PP-855/PRC-14 VIBRATOR POWER SUPPLY WITH FILTER NETWORK. 6 VOLTS DC INPUT, 5.35 AMP OUTPUT 135 VDC @ 155 MA. SIZE: 7x5x2 1/2; WT: 3 LBS. NEW \$4.95

DUAL SIX VOLT D.C VIBRATOR POWER SUPPLY. OUTPUT 540 VDC @ 150 MA. CAN BE TAPPED AT 270 VDC. WITH 2/024 TUBES. SIZE: 9x6x5; WT: 10 LBS. STK#3H6694-5 NEW \$7.95

PE-237 POWER SUPPLY FOR BC-1306 GRC-9

VIBRATOR TYPE WITH 1005 & 1006 TUBES ALSO VB-16 VIB. VOLTAGE REQ. 6 OR 12 OR 24 VDC, OUTPUT 525 vdc @ 90MA 105 vdc @ 42 MA. 6.5 vdc @ 2 AMP, 6 vdc @ 500 MA. 1.3 vdc @ 450 MA. & 130 vdc @ 17 MA. SIZE: 10x10x17; WT: 85 LBS. RE-COND. \$19.95

PE-120 POWER SUPPLY FOR BC-659 BC-620 TRANS. RECEIVER. VIBRATOR TYPE VOLTAGE REGULATED. WITH TUBES VR-105/08-3, 1005 & BALLAS VOLTAGE INPUT 6 OR 12 OR 24 DC OUTPUT 145 @ 175 MA, 90 @ 40 MA & 1.5 @ .75 AMP. SIZE: 4x11x15 1/2; WT: 30 LBS RE-COND. \$7.95

PP-188 CONVERTER 12 VDC 4 AMP TO 24 VDC 1.5 AMP. PARRALLEL FOR MORE CURRENT. WITH SPARE VIBRATOR & 3500 MFD. 25 VOLT CAP. ALSO PLUG SIZE: 6x5x8 1/2; WT: 10 LBS. NEW \$4.95

HARDWARE KIT: CONTAINS 50 CLAMPS OF 5 DIFFERENT SIZES, 20 SCREWS, 5 TYPES, 15 WASHERS, 7 LUGS, 4 HEX. NUTS, 8 SPAC ERG. #RC298 5LB.75¢



RUBBER SHOCK MOUNTS
 4 LB. #4 \$.30
 6 " #6 \$.35
 10 " #10 \$.40
 12 " #12 \$.50
 16 " #16 \$.60
 24 " #24 \$.75
 35 " #5215 \$.75

OTHER TYPE MOUNTS AVAILABLE IN LIGHTER & HEAVIER. ADVISE NEED

TUBE SOCKETS

OCTAL CERAMIC 2 HOLE MTG. \$.25
 " " RING " " \$.15
 " BLACK " " \$.15

LOCTAL MICA 2 HOLE MTG \$.25
 4 PIN CERAMIC 2 " " \$.35

813 CERAMIC SOCKET \$1.50

6 " " 2 HOLE " " \$.29
 7 " " " " " " \$.29
 4/5/7/9 PIN WAFER " " EA. \$.10
 7/9 PIN MICA SMALL " " \$.20
 9 PIN CERAMIC " " \$.35
 METAL SHIELDS SMALL 7-9 " \$.10
 1625 AND 837 7 PIN LARGE \$.59
 829 CERAMIC SOCKET \$.75
 872 " " W/SHOULDER \$.75
 811/866 " " W/SHOULDER \$.75

GIANT 4 CONTACT CERAMIC FOR 872, 211 ETC. 3/4" RD. GE#ML7461594-G1 PRICE: USED \$.39

GIANT 4 CONTACT CERAMIC SOCKET FOR 715, 718 ETC. 3/4" RE STK#227684.98 PRICE: NEW \$1.00

TERMINAL STRIPS WITH CLIPPED WIRES

PRICES:	.15	.20	.25	.35
3/4" WIDTH	2	5OR6	7OR9	ASST.
1" " "	2	6	7	14
1 1/2" " "	2OR3	5OR6	9	16

AMT. OF TERMINAL ABOVE

TELEPHONE TYPE TERMINAL STRIP
 1 1/2" WIDE 3/8" THICK, 32 TIE TERMINALS FOR WIRE SOLDERING AND NUTS FOR LUGS. WT: 1 LB #31-C \$1.50 NO WIRE SOLDERING 52 TERM#3.

BINDING POSTS, 5/8" DIA. HEAD; 3/4" LONG #8 THREAD. OVERALL: 1 1/4". USED, \$1/DOZEN

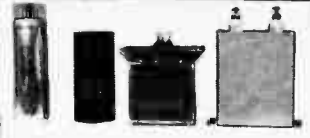
OCTAL SOCKET EXTENDER, VECTOR NO 1262. PLUGS INTO ORIGINAL AND HAS BOLT THRU CENTER SO THE TWO CAN BE FASTENED TOGETHER #6625-684-1189 NEW 59¢ 2 FOR \$1!

SOCKET TURRET, OCTAL, VECTOR MODEL 8-0-9T. 2" TURRET, 3 TERMINALS IN TWO RINGS 1" A-PART. FITS 1" HOLE. 3/8" DIA. #5935-829-5819 \$.59 EA. 2/\$1.

SOCKET TURRET, 7 PIN MINATURE; 1 1/2" TURRET, 3/16" DIA.; 7 TERMINALS ON ONE RING. FITS 1/2" HOLE. #5935-578-9139 \$.59 EA. 2/\$1.

U-102/U ADAPTER TUBE SOCKET; VECTOR MODEL T-8-0. FITS STANDARD 8-PIN OCTAL. FLASH-OVER VOLTAGE 1500+ VDC. 1 1/2" X 1 1/2" #U-102/U \$.59 EA. 2/\$1.

Capacitors



MFD	VDC	SIZE	PRICE
24000	3	4x3	\$1.00
2000	15	1 1/2 x 4 1/2	.59
1000	50	1 1/2 x 4 1/2	.59
50	150	2 1/2 x 4 1/2	1.50
500	200	2x4	U 1.00
8	300	2 1/2 x 4 1/2	.50
4	400	2 1/2 x 4 1/2	.50
10	400	2 1/2 x 4 1/2	.75
2	600	2 1/2 x 4 1/2	.50
3	600	1 1/2 x 3 1/2	.50
4	600	3 1/2 x 4 1/2	.65
6	600	4 x 2 1/2	.75
7	600	4 x 4 x 2	.85
8	600	3 1/2 x 5 1/2	1.00
10	600	3 1/2 x 4 1/2	1.25
25	1300	5 1/2 x 4	5.25
1	1000	1 1/2 x 2 1/2	.30
2	1000	1 1/2 x 4 1/2	.75
4	1000	2 1/2 x 4 1/2	1.00
8	1000	3 1/2 x 4 1/2	1.50
10	1000	3 1/2 x 4 1/2	1.75
15	1000	3 1/2 x 5 1/2	1.25
24	1000	3 1/2 x 6 1/2	3.75
2	1500	2 1/2 x 4 1/2	1.00
1	2500	3 1/2 x 4 1/2	1.00
3x1	1200	3 1/2 x 3 1/2 x 2 1/2	.75
1	1200	2 x 3 x 1	.50
1	2000	2 x 3 x 1	1.00
4	2000	3 1/2 x 4 x 2 1/2	2.50
8	2000	4 x 5 1/2 x 3 1/2	4.00
2	2500	2 1/2 x 4 1/2	1.75
4	2500	4 x 4 x 3 1/2	3.25
2x-1	4500	3 1/2 x 3 1/2	1.00
1	3000	3 1/2 x 4 x 2 1/2	1.00

COMPUTER GRADE

MFD	VDC	SIZE	PRICE
20000	25	3x4 1/2	\$1.50
20000	30	3x4 1/2	1.95
25000	30	3x4 1/2	2.25
20000	62.5	3x6 R/M	2.00
7500	35	2 1/2 x 4 1/2	1.95
16500	30	3x4 1/2 R/M	1.50
30000	50	3x5 1/2	2.30
60000	50	3x5 1/2	3.00
8000	25	2x4 1/2	1.50
4000	40	2x4 1/2	1.95
3000	35	1 1/2 x 3 1/2	1.25
1700	200	3 1/2 x 5 1/2	3.00
1000	250	2 1/2 x 4	2.00

HIGH VOLTAGE

14F496 1 MFD. 18 70V VDC \$25.00
 D165618 .00025 MFD. 25 KVDC \$10.00
 4x1 1/2 x 3 1/2; 3 LBS. \$10.00
 C220150 1 MFD 20,000 VDC \$30.00
 11x1 3/8 x 4, 40 LBS. \$30.00
 120065-1 .65 MFD 12,500 VDC \$12.00
 11x8 1/2 x 4, 40 LBS. \$12.00

OTHER HIGH VOLTAGE CAPACITORS IN STOCK WRITE.

AC CAPACITORS

MFD	VAC	SIZE	PRICE
5	220	1 1/2 x 1 1/4	.75
4	330	2 1/2 x 6	1.50
12	330	2 1/2 x 2 1/2	2.00
15	440	4 x 4 1/2	.50
3	330	1 1/2 x 3 1/2	.75
7	330	3 1/2 x 3 1/2	1.00
6	660	3 1/2 x 3 1/2	2.00
10	440	4 x 7 1/2 x 4	1.00
3	660	3 1/2 x 3 1/2	1.25
4	660	3 1/2 x 4 1/2	1.25

PHOTO-FLASH CAPACITOR 25.6 MFD 1000/2000 VDC INTERMITT 3 1/2 x 6 1/2 x 3 1/2 IN. RE-MOVED F/EG. GE-25F454 3 LBS. \$7.50

Kits \$1.00

ROTARY SWITCH, FOUR DECK, THREE POLE-THREE POSITION EACH DECK. CERAMIC WITH SILVER CONTACTS. SIZE: 2x6 #5930-407-2704 NEW \$4.95

ROTARY SWITCH, CERAMIC, 2 1/2" D 3 POLE, 3 POSITION, 1 DECK 329825-34.1 NEW \$1.00

HEAVY DUTY ROTARY SWITCH, 10 AMP. 1-POLE 5-POS. WITH SCREW TERMINALS. 2 1/2" DIA. #5930-594-1015 PRICE: UNUSED, 89¢

ROTARY SWITCH 10 POLE, 4 POS. 5 DECK. 3 1/2" DIA. RM-39/31.9 RE-MOVED \$1.00

GE CERAMIC POWER SWITCHES 2 DECK 3 POSITION 2x5 IN. GE#P42J198-1 G1/394 \$1.95

GE HEAVY DUTY CERAMIC, TWO DECK 4 BREAK 3 MAKE, 2x4" #ML7464910-G1/407 \$1.95
GE HEAVY DUTY CERAMIC, TWO DECK 3 POSITION, 3x4 1/2" #ML7762999-G1/397 \$1.95

ROTARY SWITCH; ONE POLE 12 POSITION NO STOP, TEFLON TYPE WAFER 1 1/2" DIAMETER #AB-6422 75¢

ROTARY SWITCH CERAMIC WAFERS, 2 DECK 4 POSITION, 2" DIAMETER. #C-87/S-602 75¢ EACH.

SWITCH ROTARY, 2 DECK, 2 POLE 4 CIRCUIT EA. DECK. 1 1/2" X 1" 329825-66.13 \$.50

ROTARY SWITCH, BAKELITE WAFER, 1-POLE 11-POSITION, 1 1/2" X 1 1/2" 329825-92.3 50¢

ROTARY SWITCH, SINGLE GANG 4 CIRCUIT WITH 2 CONTACTS FOR EACH. DIA. 1 1/2" X 1". 329827.34 59¢ 2 FOR \$1.00

ROTARY SWITCH SINGLE 17 CONTACT DECK, ONE TIE DECK DIA. 2 1/2" X 1 LANS. SW-942-249 75¢ EACH 2 FOR \$1.25

ROTARY ACTUATOR WILL OPERATE FROM 12-28 VDC, 12 POS ITION, 30 DEGREES EA. 2 1/2" SHAFT AND RODS FOR MOUNTING WAFER SWITCHES. MOUNTING 2 1/2 x 3 1/2" H. WT: 1 LB. #MX167869G1 \$1.50

BENDIX HEAVY DUTY TAP SWITCH BENDIX HEAVY DUTY TAP SWITCH 12 POSITION, W/ KNOB. AIRCRAFT TYPE. SIZE: 3x1 1/2 WT: 4OZ. \$2.95

ROTARY SWITCH, BAKELITE WAFER; 2 DECK, 5 POSITION, 1 POLE MOMENTARY 5 POS. 2x2 x2 SW-145 39¢ EA 3/\$1.00

ROTARY SWITCH BAKELITE WAFER, 8 POS., 3 DECK; ONE DECK NON-SHORTING. 3x2x2. #329825-75.4 NEW \$1.00

COMPUTER GRADE

DISC CERAMIC CONDENSERS 33 ASST. 15MMF-.01MFD. Good Value \$1.00 a KIT

TUBULAR CONDENSER 50 ASST. .00025 to .1 200 to 600 V \$1.00 a KIT

MICA CONDENSERS 25 ASST. 10 MMFD To 6800 MMFD. \$1.00 a KIT

TRIMMER CONDENSERS 25 ASST. 3 to 280KMF WIDE RANGE \$1.00 KIT.

RESISTORS INSULATED ON BOARDS 50 ASST. 1/2, 1 & 2 Watt wide range of good values 50 ASST. \$1.50

RESISTORS WIREWOUND 25 ASST. 5 to 20 Watt. Wide range of values some tapped. 25 ASST \$1.00

VOLUME CONTROLS 10 ASST. Popular Values \$1.00

TUBE SOCKETS 20 ASST. Octals Locals Minatures Wafers etc \$1.00

PILOT LIGHT SOCKETS 25 ASST Bayonet Screw etc. \$1.00

TERMINAL STRIPS, Tie lug strips, ASST types. 25 for \$1.00

TERMINAL LUGS, ring spade, crimp types. Wide variety of sizes for all uses in clear plastic box. APPROX. 200 PCS. \$1.50

ROTARY SWITCHES BRAND NEW ORDER NOW 6 for \$1.00

BATHBUS CONDENSER KIT 1 MFD. 50 V. 100 V. up to 500 V. MFD. \$1.00

HARDWARE KIT NUTS, WASHERS SCREWS, RIVET GROMMETS ETC. 1 1/2 LBS. \$1.00

COMPUTER GRADE CAPACITORS

COMPUTER GRADE CAPACITORS OUT OF EQUIPMENT GUARANTEED

MFD	VDC	SIZE	PRICE
900	165	2x4 RD	\$1.25
500	275	2x4 RD	1.25
350	330	2x4 RD	1.25
1400	99	2x4 RD	1.25

LOTS OF 6 \$1.00 EACH.

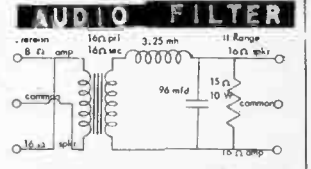
12000 11 2x4 RD .75
 4000 33 2x4 RD .75
 3500 52.8 2x4 RD .75
 LOTS OF SIX 60¢ EACH.

HIGH CAPACITY

60000 MFD 50 VDC
 3042182, size 3x5, 2 LBS. PRICE: \$3.00 EA. 2 FOR \$5

30000 MFD 50 VDC
 11418-03, size: 3x5 1/2, 2 LBS PRICE: \$2.50 EACH

1000 MFD 250VDC
 SIZE: 2 1/2 x 4 1/2 1 1/2 LBS #5510-778-8818 \$2.25



ELECTRO-VOICE FILTER EVXX3 IS A AUDIO FREQ. FILTER THROUGH WHICH TWO AUDIO AMPLIFIERS CAN BE CONNECTED TO 2 SPEAKER SYSTEMS. ALL BASS FREQ. BELOW 300 CPS ARE PASSED TO ONE SIDE OF THE SYSTEM WHILE THE HIGHER FREQ. ARE PASSED WITHOUT CHANGE TO BOTH SYSTEMS. IN A STEREO SYSTEM THIS ELIMINATES THE NEED FOR 2 FULL RANGE SYSTEMS. CAN ALSO BE ADAPTED TO OTHER USES. #EVXX3F 5 1/2 x 4 1/2 x 1 1/2; 8 LBS. NEW \$2.95

HEAVY DUTY TAP SWITCH 6 POSITION 4 HOLE MOUNTING STRIPS, ASST SIZE: 2 1/2 x 2 1/2 x 1 1/2 STK#329644-2 \$2.50

ANTENNA CIRCUIT SWITCH 100 WATT 3/MAKE 3/BRE AK SIZE: 4 1/2 x 2 1/2 IN. #379626 \$2.50

RESISTORS. PRECISION 25 ASST. ON BOARDS. WIRE WOUND OR CARBON 1/2 OR BETTER GOOD VALUES. \$1.00 50 TINY CAPACITORS SELECTED TINY ASST PAPER & CERAMIC X GOOD VALUES. \$1.50

WIRE ASSORTMENT SIX 25 FT. COILS FULLY INSULATED STANDARD SIZES TINNED COPPER ASST. COLORS \$1.00

MINIMUM ORDER \$5.00

TRANSFORMERS

**50 VCT
15 AMP**

PRI: 5v. 60cy
SEC: 50vct. 15A.
50vct. 1A.
5x4x4 WT: 14LBS.
BURNS#43847
PRICE \$9.95

PRI: 115 v. 60 CYC
SEC: 200VCT
2 AMPS
4x4x4
20 LBS
IFX46-16 \$4.95

PRI: 115v47-420CYC
SEC: 3/120VCT120MA
15/50MA
16v @ 15 AMP.
4x5x3x3; 10 LBS
#9525 \$9.95

PRI: 115 v. 60 HZ
SEC: 56 VAC CT &
10V TAP @ 6 AMPS.
3x3x3x3; 9 LBS.
ANKER#4601 \$5.95

PRI: 115 v 60 CYC
SEC: 42 VCT 4 A.
2 VCT 12 A.
4x5x8; 17 LBS.
3H4674B.1/16 \$6.00

PRI: 115 v. 60 CYC
SEC: 63 v. TAPPED
35 v @ 7A/28V@25A.
8x8x5; 40 LBS.
5950-845-2755 \$22

TF45X02YY
THREE PHASE
PRI 171v 50-450CYC
SEC 28v @ 40A
6x7x9; WT. 45LBS
PRICE: \$14.95

MICROPHONE TRANS
PRI: 40 OHMS
SEC: 75000 "
SIZE: 1x1x2
WT: 2 oz.
2Z9986-2/RM-12
PRICE: 75¢

MICROPHONE
PRI: 14.5-21 OHM
SEC: 4475-6500
OHMS
CARBON MIC.
2x3x2
#P7762352G1
\$1.00

Microphone
Transformers
Pri: 1 ohm
Sec: 3000
1x2x2
3T#229666A
Price \$5.99

**LOW VOLTAGE
TRANSFORMERS**

ALL PRIMARIES 105/110/115
120/125 VOLTS 60 CYCLE.

SEC: 6.6 v. 18 AMP
3x5x4; 12 LBS.
GE#9T35Y159 \$3.95

SEC: 6.6 v. 10 AMP
6.6 v. 1 AMP
5x4x3; WT: 10 LBS.
GE#9T35Y184 \$3.25

ALL PRIMARIES 115 v 60 HZ.

SEC: 6.3 VCT 3 A. AND 5 V.
6 AMP. 3x4x4; 4 LBS.
#29611.106 \$4.95

PRI: 115/120/125 @ 60 CYCLE
SEC: 6.3 VCT @ 5 AMP.
2x2x2; 1 1/2 LB.
#5950-721-2011 \$4.95

PRI: 66 v. 50 TO 63 HZ
SEC: 15 v. 25 AMPS
SIZE: 5x4x6; WT: 15 LBS.
#5950-660-7183 \$12.95

PRI: 230v 60 cyc
SEC: 6.3v 30A QR 5.67x30A
4x5x3x3; 13LB#6510 \$4.95

SEC: 6.3 VCT @ 12.5 A.
6.3 VCT @ 1.5 A.
4x3x5; WT: 9 LBS.
#5950-646-1223 \$4.95

SOLA CONSTANT VOLTAGE
PRI: 95-130 VOLT 60 CYCLE
SEC: 6.5 VAC 12 A. CONST
9x4x4; 16LBS.#302473
5950-578-8875 \$9.95

**ISOLATION
AUTOTRANSFORMER**

TWO 115 VOLT WIND
INGS EA. S. DE. 50/
60 CYC. 115/230
500 VA. ISOLATION
1000 VA. AUTOTRANS
4x5x5; 20 LBS.
LEE/TE-11924 \$9.95

ISOLATION
PRI: 105/115/125
SEC: 115 VAC @ 9 A.
60 CYCLE.
4x5x3; 10 LBS.
#997-9355 \$3.95

ALL PRIMARIES
115 VOLT 60 CYCLE
SEC: 125v. 25 MA.
#681-K-34 \$1.25

SEC: 2/14VAC 600MA.
2x1x2; 1 LB.
#VAR-214/6 \$2.50

SEC: 12 VAC 3 AMP
3x2x2; WT: 2 LBS
#1936K1 \$3.50

SEC: 2.5VCT 10 A.
2.5v** 10 A.
2400 v TEST
3x3x4; 6 LBS.
2Z9987-3 \$4.95

SEC: 110 VAC 100 MA
130 " 100 MA
SZ12: 2x3x2;
#8C1632 \$1.75

SEC: 125 VCT 15 MA
6.3 VAC 0.6 A
SIZE: 2x2x1; 8 oz.
#3096i \$1.50

AUDIO OUTPUT TRANS
PRI: 450 OHMS
SEC: 300/4000 OHMS
IMPEDANCE
PO/BC-348
STK# 2C4348M/T
2x2x4 WT. 2 1/2 LBS.
PRICE: \$1.00

PRI: 115 VOLT
60 KH
SEC: 2000 VCT
@ 500 MA. CONT
700 MA. INT.
7x5x5; 30LBS
8323 \$25.00

PRI: 7000 OHM CT
SEC: 265 " "
80 " "
ONE WINDING
POWER: 62.5 WATT
RESPONSE: 1 DB
20-20,000 CPS
SIZE: 4x6x4; 20 LB
TF1A13MA \$4.95

OUTPUT
TRANSFORMER

NP/NS-1.77/6.5,50
TO 5000 CYC. 5MA.
SIZE: 2x2x2
GEM 7465623-1
PRICE: \$.75

**HIGH VOLTAGE
TRANSFORMERS**

DC POWER SUPPLY
PRI: 115v 60 CY
SEC: -8000 v.
@ .25-1 MA.
-120v @ 15 MA
- 24v @ 1.2 A
-16.v @ .45 A
SIZE: 4x4x9; WT: 15 LBS.
#GE9T63Y2280G03 \$14.95

IGNITION
TRANSFORMER
GE# 9T62Y4054
PRI: 120V 60HZ
SEC: 5000 V.
20 MA. CASE GND
SIZE: 5x4x3; WT: 13 LBS.
#5950-529-6E70 \$9.95

PRI: 115 v. 60 HZ. 250 VA.
SEC: 10,000 v. 23 MA. CASE
GROUND
SIZE: 8x5x5; WT: 18 LBS.
GE# 56G9 \$14.95

PRI: 105/110/115
120/125V 54-66CYC
SEC: 365V TAPPED
335 V @ 500 MA.
4x5x3x3; 9 LB.
#ADCA8691 \$2.95

PRI: 115 VAC
60 HZ.
SEC: 1800 v.
@ 300 MA
TAPPED AT 400V
4x4x4; 12 LB
AB-6950 \$9.95

PRI: 105-110-115
120-125
SEC: 560CT 75 MA
365 V 150 MA
TAP335 V
3x5x3" 8 LBS.
#TF1A02JA
\$1.95

PRI: 105/110/115
120/125V 54-66CYC
SEC: 365V TAPPED
335 V @ 500 MA.
4x5x3x3; 9 LB.
#ADCA8691 \$2.95

PRI: 115 v. 60 HZ. 250 VA.
SEC: 10,000 v. 23 MA. CASE
GROUND
SIZE: 8x5x5; WT: 18 LBS.
GE# 56G9 \$14.95

PRI: 105-110-115
120-125
SEC: 560CT 75 MA
365 V 150 MA
TAP335 V
3x5x3" 8 LBS.
#TF1A02JA
\$1.95

PRI: 105/110/115
120/125V 54-66CYC
SEC: 365V TAPPED
335 V @ 500 MA.
4x5x3x3; 9 LB.
#ADCA8691 \$2.95

PRI: 115 v. 60 HZ. 250 VA.
SEC: 10,000 v. 23 MA. CASE
GROUND
SIZE: 8x5x5; WT: 18 LBS.
GE# 56G9 \$14.95

PRI: 105-110-115
120-125
SEC: 560CT 75 MA
365 V 150 MA
TAP335 V
3x5x3" 8 LBS.
#TF1A02JA
\$1.95

PRI: 105 TO 125 v 50/60 CYC
SEC: 2/6.3 VCT @ 35 AMPS EA
SIZE: 7x6x5; WT: 30 LBS.
SMITH#3002730 USED \$12.95

MICROPHONE TRANSFORMER
PRI: IMPEDANCE 50 OHM 30MA
SEC: IMPEDANCE 500 OHM
FREQ. RESPONSE 400-1900CPS
SIZE: 1x1x1; WT: 8 OZ.
\$1.00 T-204/PP-115

LINE TRANSFORMER INPUT
PRI: IMPEDANCE 500 OHM CT
SEC: " 500 "
FREQ. RESPONSE 600-12000CP
SIZE: 2x2x2; WT: 1 LB.
T-203/PP-115 \$1.50

PRI: 115 VOLT
60 KH
SEC: 2000 VCT
@ 500 MA. CONT
700 MA. INT.
7x5x5; 30LBS
8323 \$25.00

PRI: 115 v 60 CYC
SEC: 5.7v 21.8A
3x4x5; WT. 9L
GE-7469149
PRICE: \$6.95

PRI: 117v 50/60 CYC
SEC: 6.3v 11A & 6.3v 3A
& 5.0v 1A & 5.0v 2A
3x5x4; 12 LBS.
5950-647-8697 \$5.95

PRI: 115v 60 CYC
SEC: 24v. 20 VA.
2x2x2; WT: 2 LBS.
#BE-8002 NEW \$1.50

PRI: 110/220/440 v
50/60 CYCLE
SEC: 24 v 6 AMP.
6 v 1 "

CIRCUIT RESET FOR
4 1/2" sq. BX. MTG.
7x4x5; 10 LBS.
#FOSTERD11586 \$6.95

CONSTANT VOLTAGE
TRANSFORMER
SOLA #211134 WITH
CAPACITOR. REGU-
LATES VOLTAGE AUTO-
MATICALLY AND IN-
STANTANEOUSLY.
PRI: 95-130V 60CYC
SEC: 6.3 v 2.38 A
5x3x2; WT: 8LBS.
#5950-581-5333
UNUSED \$5.95

PRI: 115 v 60 HZ
SEC: 24vac 2.2 A.
3x2x2; 4 LBS.
#BE 8445 \$2.50

PRI: 115v 50/60cy
SEC: 24v 15VA.
2x2x2; 1 1/2 LBS.
#AB-637-001-808
PRICE: \$1.25

**HIGH VOLTAGE
TRANSFORMERS**

DC POWER SUPPLY
PRI: 115v 60 CY
SEC: -8000 v.
@ .25-1 MA.
-120v @ 15 MA
- 24v @ 1.2 A
-16.v @ .45 A
SIZE: 4x4x9; WT: 15 LBS.
#GE9T63Y2280G03 \$14.95

IGNITION
TRANSFORMER
GE# 9T62Y4054
PRI: 120V 60HZ
SEC: 5000 V.
20 MA. CASE GND
SIZE: 5x4x3; WT: 13 LBS.
#5950-529-6E70 \$9.95

PRI: 115 v. 60 HZ. 250 VA.
SEC: 10,000 v. 23 MA. CASE
GROUND
SIZE: 8x5x5; WT: 18 LBS.
GE# 56G9 \$14.95

PRI: 105/110/115
120/125V 54-66CYC
SEC: 365V TAPPED
335 V @ 500 MA.
4x5x3x3; 9 LB.
#ADCA8691 \$2.95

PRI: 115 VAC
60 HZ.
SEC: 1800 v.
@ 300 MA
TAPPED AT 400V
4x4x4; 12 LB
AB-6950 \$9.95

PRI: 105-110-115
120-125
SEC: 560CT 75 MA
365 V 150 MA
TAP335 V
3x5x3" 8 LBS.
#TF1A02JA
\$1.95

PRI: 105/110/115
120/125V 54-66CYC
SEC: 365V TAPPED
335 V @ 500 MA.
4x5x3x3; 9 LB.
#ADCA8691 \$2.95

PRI: 115 v. 60 HZ. 250 VA.
SEC: 10,000 v. 23 MA. CASE
GROUND
SIZE: 8x5x5; WT: 18 LBS.
GE# 56G9 \$14.95

PRI: 105-110-115
120-125
SEC: 560CT 75 MA
365 V 150 MA
TAP335 V
3x5x3" 8 LBS.
#TF1A02JA
\$1.95

PRI: 105/110/115
120/125V 54-66CYC
SEC: 365V TAPPED
335 V @ 500 MA.
4x5x3x3; 9 LB.
#ADCA8691 \$2.95

PRI: 115 v. 60 HZ. 250 VA.
SEC: 10,000 v. 23 MA. CASE
GROUND
SIZE: 8x5x5; WT: 18 LBS.
GE# 56G9 \$14.95

PRI: 105-110-115
120-125
SEC: 560CT 75 MA
365 V 150 MA
TAP335 V
3x5x3" 8 LBS.
#TF1A02JA
\$1.95

PRI: 105 TO 125 v 50/60 CYC
SEC: 2/6.3 VCT @ 35 AMPS EA
SIZE: 7x6x5; WT: 30 LBS.
SMITH#3002730 USED \$12.95

MICROPHONE TRANSFORMER
PRI: IMPEDANCE 50 OHM 30MA
SEC: IMPEDANCE 500 OHM
FREQ. RESPONSE 400-1900CPS
SIZE: 1x1x1; WT: 8 OZ.
\$1.00 T-204/PP-115

LINE TRANSFORMER INPUT
PRI: IMPEDANCE 500 OHM CT
SEC: " 500 "
FREQ. RESPONSE 600-12000CP
SIZE: 2x2x2; WT: 1 LB.
T-203/PP-115 \$1.50

PRI: 115 VOLT
60 KH
SEC: 2000 VCT
@ 500 MA. CONT
700 MA. INT.
7x5x5; 30LBS
8323 \$25.00

PRI: 115 v 60 CYC
SEC: 5.7v 21.8A
3x4x5; WT. 9L
GE-7469149
PRICE: \$6.95

PRI: 117v 50/60 CYC
SEC: 6.3v 11A & 6.3v 3A
& 5.0v 1A & 5.0v 2A
3x5x4; 12 LBS.
5950-647-8697 \$5.95

PRI: 115v 60 CYC
SEC: 24v. 20 VA.
2x2x2; WT: 2 LBS.
#BE-8002 NEW \$1.50

PRI: 110/220/440 v
50/60 CYCLE
SEC: 24 v 6 AMP.
6 v 1 "

CIRCUIT RESET FOR
4 1/2" sq. BX. MTG.
7x4x5; 10 LBS.
#FOSTERD11586 \$6.95

CONSTANT VOLTAGE
TRANSFORMER
SOLA #211134 WITH
CAPACITOR. REGU-
LATES VOLTAGE AUTO-
MATICALLY AND IN-
STANTANEOUSLY.
PRI: 95-130V 60CYC
SEC: 6.3 v 2.38 A
5x3x2; WT: 8LBS.
#5950-581-5333
UNUSED \$5.95

PRI: 115 v 60 HZ
SEC: 24vac 2.2 A.
3x2x2; 4 LBS.
#BE 8445 \$2.50

PRI: 115v 50/60cy
SEC: 24v 15VA.
2x2x2; 1 1/2 LBS.
#AB-637-001-808
PRICE: \$1.25

PRI: 115 V 60 C
SEC: 6.3 V 3.6 A
15 V.004 A
15 V.004 A
SIZE: 3x3x3; 4 LBS
STK#ORD7629806
PRICE: \$1.50

CONSTANT VOLTAGE
TRANSFORMERS; 95
TO 130 VAC 60 HZ
PRIMARY; WITH
CAPACITORS. SOLA
AND OTHER MFGS.
REMOVED FROM E-
QUIPMENT.

SEC: 18 VDC 6 AMPS
SIZE: 4x3x5, 10LB
#21804 \$7.95

SEC: 24 VDC 5 AMPS
SIZE: 4x3x5 15LB
#22661-1 \$9.95

SEC: 25-27VDC 3.5 A
AMPS; 5x3x4; 11LB
#22662 \$6.95

ISOLATION 6.3v TO
6.3v 1.2 A. 58-62
CYC. 2x2x2; 3LB.
16-6384 \$2.95

MAGNETIC
AMPLIFIER
115,400 CY/
HEATER/D.C.
REFERENCE/
CONTROL.

KEARFOTT#425957-1A/SPERRY
622033. 3x2x2; 1 1/2 LB.
5950-712-3882 \$3.95

PRI: 120v 50-60CYC.
SEC: 5v CT @ 10.8A
SIZE: 5x3x3 1/2
WT: 8 LBS.
#L 217247-1
PRICE: \$3.95

PRIMARY VOLTS
81,163 & 230
50/60 CYCLE
SECONDARY VOLTS
12 CT. 3 1/2 AMPS
12 CT. 3 " "
13 CT. 10 " "
@ 115v 2/16v-3A 1/17v
10A. SIZE 4x7x7 18LBS.
GE#7466333 \$5.95

PRI: 95/105/115/125/
190/210/230/250
@ 60 CYCLE
SEC: 2/4/6/8 @ 225 MA
90/100/110 @
225 MA.
115 @ 500 MA.
4x5x5; WT: 13 LBS.
KLIENSCHMIDT 5399 \$9.95

PRI: 115v 60cyc
SEC: 40-0-40v .18A
3x3x5 WT. 5LBS
#7629808 \$1.50

PRI: 115v 60 CYC
SEC: 5.7v 21.8A
3x4x5; WT. 9L
GE-7469149
PRICE: \$6.95

PRI: 1/2/4/10/20/
40/100/200/400/
1000/2000
SEC: 40 v. 100 MA
6x7x5; 20 LBS.
ESPEY T-41627 \$8

PRI: 120 v 60 cy
SEC: 2.5 v 10 A.
NO C.T. INS. 10M.
4x3x5; 8 LBS.
#29611.144
\$2.95

PRI: 115v 60 CYC
SEC: 5.7v 21.8A
3x4x5; WT. 9L
GE-7469149
PRICE: \$6.95

PRI: 117v 50/60 CYC
SEC: 6.3v 11A & 6.3v 3A
& 5.0v 1A & 5.0v 2A
3x5x4; 12 LBS.
5950-647-8697 \$5.95

PRI: 115v 60 CYC
SEC: 24v. 20 VA.
2x2x2; WT: 2 LBS.
#BE-8002 NEW \$1.50

PRI: 115 v 60 HZ
SEC: 24vac 2.2 A.
3x2x2; 4 LBS.
#BE 8445 \$2.50

PRI: 115v 50/60cy
SEC: 24v 15VA.
2x2x2; 1 1/2 LBS.
#AB-637-001-808
PRICE: \$1.25

PRI: 115 v 60 HZ
SEC: 24vac 2.2 A.
3x2x2; 4 LBS.
#BE 8445 \$2.50

PRI: 115v 50/60cy
SEC: 24v 15VA.
2x2x2; 1 1/2 LBS.
#AB-637-001-808
PRICE: \$1.25

PRI: 115 v 60 HZ
SEC: 24vac 2.2 A.
3x2x2; 4 LBS.
#BE 8445 \$2.50

PRI: 115v 50/60cy
SEC: 24v 15VA.
2x2x2; 1 1/2 LBS.
#AB-637-001-808
PRICE: \$1.25

PRI: 115 V 60 C
SEC: 6.3 V 3.6 A
15 V.004 A
15 V.004 A
SIZE: 3x3x3; 4 LBS
STK#ORD7629806
PRICE: \$1.50

CONSTANT VOLTAGE
TRANSFORMERS; 95
TO 130 VAC 60 HZ
PRIMARY; WITH
CAPACITORS. SOLA
AND OTHER MFGS.
REMOVED FROM E-
QUIPMENT.

SEC: 18 VDC 6 AMPS
SIZE: 4x3x5, 10LB
#21804 \$7.95

SEC: 24 VDC 5 AMPS
SIZE: 4x3x5 15LB
#22661-1 \$9.95

SEC: 25-27VDC 3.5 A
AMPS; 5x3x4; 11LB
#22662 \$6.95

ISOLATION 6.3v TO
6.3v 1.2 A. 58-62
CYC. 2x2x2; 3LB.
16-6384 \$2.95

MAGNETIC
AMPLIFIER
115,400 CY/
HEATER/D.C.
REFERENCE/
CONTROL.

KEARFOTT#425957-1A/SPERRY
622033. 3x2x2; 1 1/2 LB.
5950-712-3882 \$3.95

PRI: 120v 50-60CYC.
SEC: 5v CT @ 10.8A
SIZE: 5x3x3 1/2
WT: 8 LBS.
#L 217247-1
PRICE: \$3.95

PRIMARY VOLTS
81,163 & 230
50/60 CYCLE
SECONDARY VOLTS
12 CT. 3 1/2 AMPS
12 CT. 3 " "
13 CT. 10 " "
@ 115v 2/16v-3A 1/17v
10A. SIZE 4x7x7 18LBS.
GE#7466333 \$5.95

PRI: 95/105/115/125/
190/210/230/250
@ 60 CYCLE
SEC: 2/4/6/8 @ 225 MA
90/100/110 @
225 MA.
115 @ 500 MA.
4x5x5; WT: 13 LBS.
KLIENSCHMIDT 5399 \$9.95

PRI: 115v 60cyc
SEC: 40-0-40v .18A
3x3x5 WT. 5LBS
#7629808 \$1.50

PRI: 115v 60 CYC
SEC: 5.7v 21.8A
3x4x5; WT. 9L
GE-7469149
PRICE: \$6.95

PRI: 1/2/4/10/20/
40/100/200/400/
1000/2000
SEC: 40 v. 100 MA
6x7x5; 20 LBS.
ESPEY T-41627 \$8

PRI: 120 v 60 cy
SEC: 2.5 v 10 A.
NO C.T. INS. 10M.
4x3x5; 8 LBS.
#29611.144
\$2.95

PRI: 115v 60 CYC
SEC: 5.7v 21.8A
3x4x5; WT. 9L
GE-7469149
PRICE: \$6.95

PRI: 117v 50/60 CYC
SEC: 6.3v 11A & 6.3v 3A
& 5.0v 1A & 5.0v 2A
3x5x4; 12 LBS.
5950-647-8697 \$5.95

PRI: 115v 60 CYC
SEC: 24v. 20 VA.
2x2x2; WT: 2 LBS.
#BE-8002 NEW \$1.50

PRI: 115 v 60 HZ
SEC: 24vac 2.2 A.
3x2x2; 4 LBS.
#BE 8445 \$2.50

PRI: 115v 50/60cy
SEC: 24v 15VA.
2x2x2; 1 1/2 LBS.
#AB-637-001-808
PRICE: \$1.25

PRI: 115 v 60 HZ
SEC: 24vac 2.2 A.
3x2x2; 4 LBS.
#BE 8445 \$2.50

PRI: 115v 50/60cy
SEC: 24v 15VA.
2x2x2; 1 1/2 LBS.
#AB-637-001-808
PRICE: \$1.25

PRI: 115 v 60 HZ
SEC: 24vac 2.2 A.
3x2x2; 4 LBS.
#BE 8445 \$2.50

PRI: 115v 50/60cy
SEC: 24v 15VA.
2x2x2; 1 1/2 LBS.
#AB-637-001-808
PRICE: \$1.25

<p>AUTO-TRANSFORMER 0-107-115-122-210-230 -250 v. 60Hz 1.5kVA W/ON-OFF SW. 3 SLO BLO FUSES & INDICATORS 5x13x7 1/2; 40LB. KS2833 \$15.</p>	 <p>8 HY 100 MA 160 OHMS 2 1/2 x 3 1/2 x 2 1/2; 4 LB #TR-1024 \$1.50</p>	 <p>.5-.25 HY @ .2-.6 ADC 70HMS MAX DC 535v WVM 2 1/2 x 3 1/2 x 2 1/2 4 LBS. GE #9T35Y283 \$1.25</p>	<p>25 HY 35 MA DO 1070 MV 2x3x2; 2LBS GE#7415231 \$.79</p>		 <p>DAVIS DIMMER AUTO TRANSFORMER 230 VOLT 60 CYCLE 1 PHASE WITH 5 48 VOLT CIRCUITS THAT CAN BE VARIED 0- 48 V. MAX. 20 A. TOTAL. SIZE: 10x10x7; SHPG. WT: 90 LBS #GR-3 \$19.95</p>	 <p>TRANSFORMER WITH METER 0-100 AC AMPS. PRI: 115 VAC 60CY SEC: 10/14/19/24 W/ON-OFF SW. AND FUSED LINE. 140 LB SIZE: 16x8x15 1/2; 5950-537-4950 PRICE: \$39.50</p>	 <p>PRI: 115 v. 60 CYC SEC: 150v. 550 MA 150v. 2.0 AMP 5.0v 5.0 " 6 1/2 x 6 1/2 x 4 1/2; 28 LBS. 5950-537-4950 \$6.95 5950-481-3482 \$6.95</p>
<p>FILAMENT TRANS. PRI: 215 V 60CY 71V. A. SEC: 11, 5VCT 4.3A 4 1/2 x 3 1/2 x 3 1/2 7LBS. #199-2255 \$3.95</p>			<p>DUAL CHOKE 11 HY 100 MA 200 OHMS 4x4x5 1/2; 8 LB #3C557F-1 \$1.75</p>		<p>MULTI-VOLTAGE ISOLATION TRANS. PRI: 73/88/95/105/ 115/125/190/210/ 230/250. 50/60 CY SEC: 17.6/35.2/189 193/196/200/203 @ 1.6 AMP. 9 1/2 x 4 1/2 x 7 1/2; 40 LBS. Z29619-6 \$14.95</p>	 <p>PRI: 115 v. 60 CYC SEC: 25 KV INSULA- TOR OR 8.5 v. 54 AMP OR 7.5 v. 48 " OR 7.5 v. 32 " SIZE: 6x7 1/2 x 9; 50 LB; #3340-296-879 \$14.95</p>	 <p>PRI: 117.5v 60CYC SEC: 525VCT 125 MA. 6.3v 6.3 A 5.0v 2.0 A. 4x5x5; 15 LBS. JEFFERSOND-12A64E \$4.95</p>
<p>PRI: 115 VOLT 50/60 HZ SEC: 230 V 2.2 A. 4ADC HALF WAVE. SIZE: 6x5 1/2 x 7 1/2; 35 LBS. FGC-29/7F1A03YY \$12</p>			<p>10 HYS 500 MA 45 OHM DC RES 500 WORK VOLTS #5950-646-1383 \$5.95</p>		<p>PRI: 115/230V 50/60 CYC SEC: 444VCT 97 MA. 6.5VCT 3.2 A. 12.4V 390 MA. 4x4x3 1/2; 8 LBS. 5950-376-9600 \$3.95</p>	 <p>PRI: 120 V 60 CYCLE SEC: 5.4V/2.7V @15A @15A 5VCT WITH INSULA- TOR & TUBE SOCKET C6 5x5 1/2 x 7 1/2; 15 LBS 5950-553-5572 \$14.95</p>	
<p>PRI: 0/116/120/ 124v. 60cy. SEC: 126v. 1.1A. 114v. 1.0A. TF4RX01YY 8 1/2 x 5 1/2 x 4 1/2 2.7 LBS. K95-1476 \$7.95</p>		<p>TOBE FILTERETTE 7.5 AMPS. 500 VDC TEST 2 1/2 x 1 1/2 x 1 1/2; 1 LB #3C325-E \$1.25</p>			<p>PRI: 115/230V 50/60 CYC SEC: 444VCT 97 MA. 6.5VCT 3.2 A. 12.4V 390 MA. 4x4x3 1/2; 8 LBS. 5950-376-9600 \$3.95</p>		
<p>CHOKES</p>							
<p>8 HY 100 MA 160 OHM 2 1/2 x 3 1/2 x 2 1/2; 3 LB. #TR-1024 \$1.50</p>			<p>10 HY 150MA 210 OHMS WT. 4 1/2 LBS. SIZE: 2 1/2 x 5 x 2 1/2 #217386-1 \$1.75</p>		<p>PRI: 115/230V 50/60 CYC SEC: 444VCT 97 MA. 6.5VCT 3.2 A. 12.4V 390 MA. 4x4x3 1/2; 8 LBS. 5950-376-9600 \$3.95</p>		
<p>10 HY 0-1 AMP DC @ 10V. 60 HZ, 268 OHMS. 2 1/2 x 3 1/2 x 2 1/2; 4 LB #6467 \$1.75</p>			<p>10 HY 415 MA RES. 60 OHMS TEST V 1800 SIZE 4x5x3 1/2 WT: 12 LBS. #5950-645-9675 \$4.95</p>		<p>PRI: 115/230V 50/60 CYC SEC: 444VCT 97 MA. 6.5VCT 3.2 A. 12.4V 390 MA. 4x4x3 1/2; 8 LBS. 5950-376-9600 \$3.95</p>		
<p>5 TO 42 HY 160 OHMS, 130 TO 200 MA 3 1/2 x 3 x 4; WT: 7 LBS. #5950-646-0561 \$1.75</p>			<p>10 HY 150MA 210 OHMS WT. 4 1/2 LBS. SIZE: 2 1/2 x 5 x 2 1/2 #217386-1 \$1.75</p>		<p>PRI: 115/230V 50/60 CYC SEC: 444VCT 97 MA. 6.5VCT 3.2 A. 12.4V 390 MA. 4x4x3 1/2; 8 LBS. 5950-376-9600 \$3.95</p>		
<p>12 HY 210 MA 50 OHM; 5x6x4 1/2; 14 LBS. #3C316-33 \$2.50</p>			<p>10 HY 150MA 210 OHMS WT. 4 1/2 LBS. SIZE: 2 1/2 x 5 x 2 1/2 #217386-1 \$1.75</p>		<p>PRI: 115/230V 50/60 CYC SEC: 444VCT 97 MA. 6.5VCT 3.2 A. 12.4V 390 MA. 4x4x3 1/2; 8 LBS. 5950-376-9600 \$3.95</p>		
<p>140 HY @ 5v. 60 HZ; 10 MA DC 2700 OHMS. 2 1/2 x 2 1/2 x 3 1/2; 3 LBS. #HA-81-C \$2.95</p>			<p>10 HY 150 MA RES. 100 OHM TEST 3000 V SIZE 3 1/2 x 4 1/2 x 3 1/2 WT: 7 LBS. #3C323-6220 \$1.95</p>		<p>PRI: 115/230V 50/60 CYC SEC: 444VCT 97 MA. 6.5VCT 3.2 A. 12.4V 390 MA. 4x4x3 1/2; 8 LBS. 5950-376-9600 \$3.95</p>		
<p>BENDIX CHOKES 12 HY @ 400 MAD 100 OHM 5x5x4 1/2; 20 LBS #L217434-1 \$7 ***** 8 HY 300 MA RES. 90 OHM WT: 7 1/2 LBS. 8x3 1/2 x 4 1/2 #3340-310-190 \$5.95</p>			<p>REACTOR FILTER CHOKE INDUCTANCE 3 HY. RES. 30 OHM, 350 MA DC 2000 V. PK. SIZE: 3 1/2 x 4 1/2 x 2 1/2; WT: 6 LBS. L-225/PP-115 \$2.50</p>		<p>PRI: 220, 230, 240 SEC: 14V @ 5A 20V @ 5A 4x4 1/2 x 5 1/2; 12 LB CS8779A \$5.95</p>		<p>POWERSTAT 136B/ 1191, INPUT 115V 60HZ OUTPUT 105- 135V. 35 AMP OPEN FRAME #40.UU</p>
<p>8 HY 300 MA RES. 90 OHM WT: 7 1/2 LBS. 8x3 1/2 x 4 1/2 #3340-310-190 \$5.95</p>			<p>10 HY 150 MA RES. 100 OHM TEST 3000 V SIZE 3 1/2 x 4 1/2 x 3 1/2 WT: 7 LBS. #3C323-6220 \$1.95</p>		<p>PRI: 220/230/240V 50-60 cyc SEC: 2.5v CT @ 10A 5 1/2 x 3 1/2 x 3 1/2; 6LBS 5950-646-4773 PRICE: \$2.95</p>		<p>POWERSTAT TYPE 108 115 VOLT 60 HZ 0-132 2.25 AMP \$14.95</p>
<p>6 HY 80 MA P/O TG-10 2 1/2 x 2 1/2; 1 1/2 LB #27294 \$1.89</p>			<p>10 HY 150 MA RES. 100 OHM TEST 3000 V SIZE 3 1/2 x 4 1/2 x 3 1/2 WT: 7 LBS. #3C323-6220 \$1.95</p>		<p>PRI: 200, 220, 240 VOLTS 50 CPS SEC: 5VCT @ 20 AMP 4 1/2 x 5 1/2 x 7 1/2; 18 LBS. #5950-645-3891 \$5.95</p>		<p>STACO 300BU 120 v 50/60 HZ 0-140 v. 3 AMP. \$17.95</p>
<p>5 HY 50 MA RES. 250 OHM 4x5x4 1/2; 1 1/2 LB #3C3672 \$1.75</p>			<p>10 HY 150 MA RES. 100 OHM TEST 3000 V SIZE 3 1/2 x 4 1/2 x 3 1/2 WT: 7 LBS. #3C323-6220 \$1.95</p>		<p>PRI: 120V 50-60 cyc 37 VA SEC: 5V @ 2A 6.3V @ 1A 5VCT @ 4A 3x3 1/2 x 5 1/2; 7 LB BENDIX #L217336-1 PRICE: \$3.95</p>		<p>POWERSTAT 1177-3 240 v. 3PH 0-240 v 10 AMP. \$65.00</p>
<p>6 HY 80 MA P/O TG-10 2 1/2 x 2 1/2; 1 1/2 LB #27294 \$1.89</p>			<p>10 HY 150 MA RES. 100 OHM TEST 3000 V SIZE 3 1/2 x 4 1/2 x 3 1/2 WT: 7 LBS. #3C323-6220 \$1.95</p>		<p>PRI: 120V 50-60 cyc 37 VA SEC: 5V @ 2A 6.3V @ 1A 5VCT @ 4A 3x3 1/2 x 5 1/2; 7 LB BENDIX #L217336-1 PRICE: \$3.95</p>		<p>POWERSTAT 51290 115 v 50/60 HZ 0-135 v 7.5 A. \$22.95</p>
<p>5 HY 50 MA RES. 250 OHM 4x5x4 1/2; 1 1/2 LB #3C3672 \$1.75</p>			<p>10 HY 150 MA RES. 100 OHM TEST 3000 V SIZE 3 1/2 x 4 1/2 x 3 1/2 WT: 7 LBS. #3C323-6220 \$1.95</p>		<p>PRI: 120V 50-60 cyc 37 VA SEC: 5V @ 2A 6.3V @ 1A 5VCT @ 4A 3x3 1/2 x 5 1/2; 7 LB BENDIX #L217336-1 PRICE: \$3.95</p>		<p>TRANS. VAR. 115v/60hz. 30- 135v/250MA. Z29613. 270 \$6.</p>
<p>6 HY 80 MA P/O TG-10 2 1/2 x 2 1/2; 1 1/2 LB #27294 \$1.89</p>			<p>10 HY 150 MA RES. 100 OHM TEST 3000 V SIZE 3 1/2 x 4 1/2 x 3 1/2 WT: 7 LBS. #3C323-6220 \$1.95</p>		<p>PRI: 120V 50-60 cyc 37 VA SEC: 5V @ 2A 6.3V @ 1A 5VCT @ 4A 3x3 1/2 x 5 1/2; 7 LB BENDIX #L217336-1 PRICE: \$3.95</p>		<p>GRV-5 VARIAC, 115 v. 60cyc OUTPUT 0-135v 6 AMPS. 5950-583-1507 \$18.95</p>
<p>5 HY 50 MA RES. 250 OHM 4x5x4 1/2; 1 1/2 LB #3C3672 \$1.75</p>			<p>10 HY 150 MA RES. 100 OHM TEST 3000 V SIZE 3 1/2 x 4 1/2 x 3 1/2 WT: 7 LBS. #3C323-6220 \$1.95</p>		<p>PRI: 120V 50-60 cyc 37 VA SEC: 5V @ 2A 6.3V @ 1A 5VCT @ 4A 3x3 1/2 x 5 1/2; 7 LB BENDIX #L217336-1 PRICE: \$3.95</p>		<p>GR-M20BB VARIAC, 120v 350cyc 20 AMPS. MOTORIZED, 1 PHASE 5950-739-7734 \$45.00</p>
<p>6 HY 80 MA P/O TG-10 2 1/2 x 2 1/2; 1 1/2 LB #27294 \$1.89</p>			<p>10 HY 150 MA RES. 100 OHM TEST 3000 V SIZE 3 1/2 x 4 1/2 x 3 1/2 WT: 7 LBS. #3C323-6220 \$1.95</p>		<p>PRI: 120V 50-60 cyc 37 VA SEC: 5V @ 2A 6.3V @ 1A 5VCT @ 4A 3x3 1/2 x 5 1/2; 7 LB BENDIX #L217336-1 PRICE: \$3.95</p>		<p>GR TYPE M-5/RMS11-2, 115v. 400 HZ. OUTPUT 0-135v. 7.5 AMPS, 0.862 KVA. #5950-683 7486, 1-PHASE. New \$12.95</p>
<p>5 HY 50 MA RES. 250 OHM 4x5x4 1/2; 1 1/2 LB #3C3672 \$1.75</p>			<p>10 HY 150 MA RES. 100 OHM TEST 3000 V SIZE 3 1/</p>				

ANTENNAS

MP-22 MAST SECTION MOUNTING BASE WITH SWIVEL THAT WILL TIP TO 90 DEGREES, RIGHT OR LEFT AND WILL LOCK IN THE VERTICAL POSITION. WILL TAKE MS-53 OR MS-54 MASTS AS THE STARTING SECTION. MOUNTING PLATE SIZE: 5x6 HEIGHT OF BASE 10". WT: 10LBS. \$4.95

MP-22A SAME AS ABOVE EXCEPT THE STARTING SECTION IS MS-51 AND YOU CAN ADD MS-50 & MS-49. \$4.75

Mast Sections

3 ft. Tubular steel, cooper coated and painted sections. These screw together to make any desired length. MS-49 being the top & smallest section in size through MS-50-51-52-53 to MS-54 being the larger one. Either the MS-53 or MS-54 will fit together to form any additional height desired. Example a 33 ft. vertical may consist of one each MS-49, 50, 51, 52, and 7 each of MS-53 or it may be finished out on the bottom with 6 MS-54 sections. Self support to about 18ft. Average Wt. app. 3/4lbs. MS-49-50-51-52-53 .50gea.

MS-49
MS-50
MS-51
MS-52
MS-53
MS-54

ADAPTER BASE WITH INSULATOR, MAST SECTIONS MS-52 OR MS-53 WILL SCREW INTO THE TOP, AND ADAPTER BOTTOM WILL SCREW INTO MS-52 OR MS-53. CAN BE USED TO ISOLATE SECTIONS OF WHIP OR DIPOLE. SIZE: 1 1/2"x8; 1 1/2" LB. NT-66023 \$1.95

GROUND PLANE ANTENNA; MADE FROM HEAVY SURPLUS INSULATED BASE USING SCREW-IN TYPE SECTIONS AND MOUNTS ON 1" PIPE. FOR USE IN 25-50 MHZ RANGE ONLY. SPECIFY FREQ. SHPG. WT: 10 LB. GP48 \$24.00

AN-45 ANTENNA TELESCOPIC, 8 FT. EXTENDED, 17 1/2" COLLAPSED, MONEL METAL, REQ. STUC FOR MOUNTING 5/16-18 THREADED SHPG. WT. 1 LB. NEW \$2.95

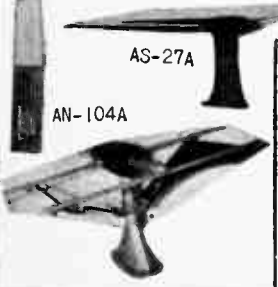


CU-168 ANTENNA COUPLER; PROVIDES MEANS FOR OPERATING 5 RECEIVERS FROM ONE ANT. UNBALANCED LINE INPUT NOM. IMPEDANCE 70 OHMS ON OUTPUT ALSO. FREQ. RANGE 2-32 MC. EACH COUPLING CIRCUIT HAS 4/12AU7 TUBES. POWER REQ. 115v. 50-400cy. RACK MTG. 19x8 1/2; WITH TUBES, UG-21 COAX. CONN. & MANUAL. WT; 75LBS. UNUSED \$29.95

AB-15 BASE FOR WHIP ANTENNA SECTIONS MS-116-117-118 ALSO AB-21-22-23-24. SPRING ACTION WITH INSULATOR 3 1/2"x3" AND COAXIAL CONNECTOR FOR USE WITH PL-259, REQUIRES 2" HOLE FOR MOUNTING. SIZE 15 x 3 WT: 2 LBS. USED

WHIP ANTENNA MAST SECTIONS FOR USE WITH AB-15 MAST BASE MS-116 LARGEST SECTION 39 1/2" LG. DIA. .393, ONE OR MORE CAN BE USED, MS-117 & 118 FOR TAPER 39 1/2" LG. \$1.50 PER. SEC. AB-243/G SIDE MTG. FOR AB-15 BASE, WITH 2" MTG. HOLE. SIZE: 10 1/2"x7 1/4; WT: 8 LB \$4.95

AS-27A/ARN-5 HORIZONTAL FOLDED DIPOLE AS USED WITH RC-103, BC-733, ARN-5 EQUIP. ON AIRPLANES. 108-110 MC \$9.95
AT-2/APN-2 DIPOLE ANTENNA 150-180 MC 2.95
AN-104A STUB ANTENNA F/SCR-522 100-156 MC 1.95



AT-911 ANT USD-1 ENNA REFLECTOR 4" DEEP, UG-570/U 18 FOOT SECTIONS ALUMINUM WITH RADIO 14" DIAMETER RADIATOR 7" COAX. RECEPT MAST IN SIX 1 1/2" DIAMETER TUBING, USED PLANE. 10 LB PRICE: \$9.95

MP-73 GROUND PLANE MOUNTING BASE DESIGNED TO BE USED WITH MAST SECTIONS AB-21, 22, MS-116, 117 THAT SCREW TOGETHER TO MAKE DESIRED LENGTH FOR FREQ. REQUIRED. HAS SO-239 COAX. RECEPTACLE AND PROVISIONS FOR MOUNTING TO POLE TREE OR CORNER OF BUILDING. THE MOUNTING HOLES FOR THE VERTICLE ANT. AND THE RADIALS ARE 5/16" DIAMETER. SIZE: 10x15x6; WT: 10 LBS. PRICE: NEW \$9.95

AB-21, 22 OR MS-116, 117 MAST SECTIONS ARE AVAILABLE NOWHERE. MS-51 MAST SECTION SHOWN ELSE WHERE ON THIS PAGE WILL FIT BUT WILL HAVE TO BE FASTENED IN WITH BOLTS AND NUTS TO MAKE A GOOD CONNECTION. THE SAME GOES FOR AN-109 WHIP ANT.

AN-109 WHIP ANTENNA 5 FT. TAPERED 1/4 TO 1/8 W/3" SQ. BASE. \$1.50 EA. 4 FOR \$5.
AN-119 WHIP ANTENNA 6 FT. TAPERED 1/2 TO 1/8 THREAD 1/2"x20 \$1.50 EA. 4 FOR \$5.
AN-130 WHIP GOOSENECK 30" SCREW BASE FITS BC-1000, PRC ETC. \$1.50 EA. 4 FOR \$5.
AT-272 GOOSENECK BASE 8" MGED WITH FLAT ANT. ON PRC SETS. \$1.50 EA.
AT-272 FLAT ANTENNA 30" USED WITH ABOVE BASE FOR PRC SETS. \$1.50 EA.

MP-74 GOOSENECK BASE FOR MAST SECTION AR-23 OR MS-118, 14" LG. WITH SPADE TYPE BRACKET FOR SIDE MOUNTING. \$1.50 4/\$5.
M-422 ADAPTER FOR USING MS-116-117-118 OR AB-21-22-23-24 MAST SECTIONS WITH BC-1000 & PRC SERIES SETS IN THE LONG ANTENNA RECEPTACLE, 7 1/2" LG. \$1.50EA 4/\$5.

FIBERGLASS WHIP ANT. 82" LG. FOR 27 TO 39 MHZ 1" SQ. BOTTOM. (NOT MAILABLE) #9735 \$5.00
UPM-1 DIPOLE ANTENNA FOR USE IN THE 155 TO 235 AND 460-570 MHZ BANDS. BASE STANDS 21" HIGH FOR FLAT MOUNTING ALSO HAS ADJUSTABLE BRACKET FOR POLE MOUNTING. AT-50 FOR USE IN LOW BAND. \$14.95
AT-51 FOR USE IN HIGH BAND. \$14.95

AT-598 ANTENNA TAPERED 30" LG. WITH CAST BASE AND COAX. RECEPTACLE FOR UG-100 A/U CONNECTOR. \$1.50 EA. 4/\$5.00
MATCHING COAXIAL LINE WITH 2/UG-100A ON 14" OF RG-14 \$3.00
AN-20T ANTENNA TELESCOPING 20" EXTENDED, 8 1/2" COLLAPSED, CHROME. 50¢ EA. 5/\$2.00
GOI-51048 TELESCOPING WHIP ANTENNA, 15" COLLAPSED 7' EXTENDED. \$1.50 4/\$5.

AS-874 ANTENNA ROTOR, 28 VDC 4 AMPS. APPROX 33 RPM, W/SEL SYN 2J1F3, R.F. CABLE FEEDS THROUGH CENTER OF ANT. MOUNTING AND USES 6 BOLTS. COAX. RECEPT. TAKES UG-494 CONN. USED SIZE: 9 1/2"x12x10; 20 LB. \$24.95

DIPOLE ANTENNA
AT-880 DIPOLE ANTENNA WITH CORNER REFLECTORS, FREQUENCY APPROX. 200 TO 300 MHZ. DIPOLE HAS ADJUSTABLE ELEMENTS WHICH EXTEND SPREAD FROM 12" L X 7" W TO 21" L X 15" W. DIPOLE STANDS 14" OFF MTG. BASE. TWO REFLECTORS ARE AT 45° ANGLE TO DIPOLE, 32" HIGH AND 40" ACROSS. FOLDS TO 32x7x30. MOUNTS ONTO 2" DIA. MAST. ALUMINUM. SHPG. WT: 35 LBS. PRICE: UNUSED, \$25.00

MATCHING NETWORK
AN/GRA-93 ANTENNA GROUP WITH CU-1696 IMPEDANCE MATCHING NETWORK USED FROM 2.0 TO 30 MHZ. CU-1696 HAS THREE VARIABLE CAPACITORS FOR ITS TUNING AND TWO PRESET CIRCUITS. BANDSWITCH POSITIONS ARE PROVIDED ON CASE. SIZE: 5x7x7. GRA-93 GROUP ALSO INCLUDES 30' TWELVE SECTION MAST (TAPER 1 1/2 TO 1") WITH INSULATOR SECTION. PLUS THE FOLLOWING: 2 REELS OF TWO 60' LENGTHS COPPER ANTENNA WIRE; 1 REEL OF TWO 60' LENGTHS COPPER LEAD-IN WIRE; 328' NYLON GUY WIRE (4 EA 38' & 29' AND ONE 60' LENGTHS); TWO MAST BASES; AND OTHER ACCESSORIES. NYLON TOTE BAG FOR THE ENTIRE SET. SHPG. WT: 7 LBS. PRICE: UNUSED \$27.95



AS-813/TRC-47 GROUND PLANE TYPE CORNER REFLECTOR FOR USE IN THE 132 TO 150 MHZ BAND, 50 OHM IMPEDANCE. TRIANGULAR ALUMINUM FRAME AND EXPANDED ALUMINUM BASE. TWO SIDE 65" OTHER 89", 16 VERTICAL RODS, 16 VERT. RODS SCREW INTO FRAME AND RADIATING STUB INTO CENTER AND IS ADJUSTABLE 17 TO 21 1/2", MOUNTING BRACKET FOR POLE OR MAST. SHPG. WT. 55 LBS. MOTOR FREIGHT ONLY. PRICE: \$15.00

AS-125/APR ANTENNA FOR USE WITH RECEIVERS IN THE 1000 TO 6000 MHZ RANGE. HAS 6" MOUNTING RING WITH HARDWARE AND UG-22 COAXIAL RECEPTACLE. SIZE: 6x8; 4 LBS. NEW \$4.95
UG-21 COAX. CONN. TO FIT 50¢ AS-69/APT ANTENNA FOR 535 TO 700 MHZ. RANGE. HAS 2 CROSS DIPOLES BENT DOWN FOR 1/2 WAVE TRANS. AND PHASING. SIZE: 9 1/2"x8; WT: 8LB. TAKES UG-21 \$7.95

ANTENNA COUPLER REMOTE OPERATION 2 TO 24 MHZ, 200 WATTS APPROX. MOTORIZED VACUUM CAPACITOR 300 MMF 7500 V., ROTARY INDUCTOR, SERVO MO. FAN, 10 RELAYS SWITCHES, CAPACITORS RES. ETC. TUBES 5727 4 EA., 2/5670, 3/6201. #5821-658-3692 SIZE: 24x7x8; WT: 25 LBS. USED \$29.95

BC-306 ANTENNA TUNING UNIT; USED TO MATCH ANTENNA TO REC. OR TRAN 150-800 KH RANGE W/VARIOMETER, TAPPED COIL SW. VERNEIR DIAL ETC SIZE: 18x9 1/2"x9 1/2; 15 LBS, NEW \$5.95
REFLECTORS MICROWAVE, PLANE TYPE CONFIGURATION, WITH BRACKETS ETC. SIZE 8'x6' SHPG. 375 LBS. \$150

AS-313/ARN-6 LOOP ANTENNA WITH MOTOR AND AUTOSYN TRANSMITTER. USED WITH ARN-6 RADIO COMPASS THAT TUNES FROM 200 TO 1750 KC, OPERATES FROM 26 VOLT 400 CYCLE SIZE: 10x11x5; WT: 15 LBS. PRICE: (AS ILLUSTRATED) USED \$7.95

COMPARATOR
CM-167/U SIGNAL COMPARATOR MIXES TWO FREQUENCIES AND DELIVERS AN OUTPUT PROPORTIONATE TO THE DIFFERENCE OF THE TWO SIGNALS. WHEN USED WITH A STRIP CHART RECORDER IT WILL COMPARE 2 ALMOST EQUAL FREQ. STANDARDS WHOSE FREQ. ARE EITHER 100 KC OR 1 MC. THIS WILL BE RECORDED AS A SINE WAVE. USES 4 IN281 DIODES IN A FULL BRIDGE CIRCUIT ALONG WITH RESISTORS, CONDENSORS, TRANSFORMERS, ETC. INPUT IMPEDANCE 50-5000 OHMS. INPUT COAX. CONN. BGN. SIZE: 5 1/2"x3 1/2"x3 1/2; WT: 4 LBS. NEW \$4.95

CU-128F/U ANTENNA COUPLING UNIT, DESIGNED TO PROVIDE EFFICIENT SIGNAL TRANSFER BETWEEN ANTENNA TRANSMISSION LINES OF DIFFERENT IMPEDANCE, FREQ. RANGE 4 TO 20 MHZ, INPUT IMPEDANCE 200/250/700 OHMS OUTPUT 70 OHM WATERPROOF METAL BOX WITH MTS. & MANLAL SIZE: 8x4 1/2"x7 1/2; SHPG. 15LBS. NEW \$4.95

NEON LIGHTING ARRESTOR HI-POWER 4 for \$1
UG-1024 INSULATOR F/UL" TYPE ANTENNA, COAX. FITTING FOR UG-88, 3 1/2"x2 1/2 \$2.95
ANTENNA WIRE PHOSPHOR BRONZE #16, 20 FT. LG. W/2 SNAPS AND SLIDE. 85¢ EA. AN-22 2/\$1.50

CABLES

NEW COAXIAL CABLE

NEW MANUFACTURE AND BRANDED WITH STANDARD TYPE NUMBERS TO MIL-R-17A SPECIFICATIONS.

PRICES LISTED FOR LENGTHS INDICATED, IN-BETWEEN LENGTHS USE THE HIGHER PRICE. LESS THAN 100 FEET ADD 10% TO HIGHEST PRICE

	OHMS	100 FEET	500 FEET	1000 FEET	5000 FEET
RG-8/U	52	.19	.17	.17	.17
RG-11/U	75	.16	.14	.14	.14
RG-58/U	53.5	.09	.07	.07	.07
RG-59/U	73	.12	.10	.10	.10
RG-62/U	93	.08	.06	.06	.06

NEW COAXIAL CONNECTORS

	SO-239	PL-259	M-359	PL-258 JUNCTION
59¢ EA.	59¢ EA.	69¢ EA.	\$1.25 EA.	
10 OR MORE	10 OR MORE	10 OR MORE	10 OR MORE	
55¢ EA.	55¢ EA.	60¢ EA.	\$1.10 EA.	

Coaxial Cable FOR LESS THAN 4c Per Foot!

RG-54 A/U CABLE

DESIGNED FOR LONG LIFE & CONSTANT ATTENUATION 58 OHMS, .250 OD. WITH POLYETHYLENE JACKET.

370 FOOT ROLL \$12.00 92 FEET ROLL \$3.50

LESS THAN SPECIFIED LENGTHS .04 PER FT.

COAX CABLE ASSY.

TYPE OHMS LENGTH CONNECTOR STOCK# PRICE

RG-223/U	50 OHMS	.216 OD.	250 FT. W/UG-88E CONN.	EA. END, WOUND ON SPOOL FROM TEST SET.	WT: 12 LBS.	PRICE: \$15.00
RG-26/U	48	30FT	2/UG-34	3E4392-11		\$4.95
RG-22/U	95	40FT	1/PL-284	CD-879		\$2.95
RG-22/U	95	46FT	1/PL-284	CD-878		\$3.25
RG-22/U	95	50FT	1/PL-284	CD-877		\$3.50
RG-62/U	93	8FT	2/UG-88	CG-1410		.75
RG-62/U	93	35FT	2/UG-88	CG-1410		1.00
RG-62/U	93	130FT	2/UG-88	CG-1410		1.95

CABLES FOR SETS

CABLE #	PLUG #	LENGTH	USER WITH	PRICE
3E7243-2	GK12-23	52 IN.	TCS REC-PS	\$2.75
3E7273-19	SKC16-23	29 IN.	TCS/TRS-PS	2.75
CD-515		48 IN.	BC-669	5.95
CD-501	F/BC-654 & PE-103			4.95
CD-548	2EA PL118	9 FT.	TEST SET	4.95
CD-549	2/ PL-112	9 FT.	TEST SET	4.95
CD-526	2/ PL-153	5 FT.	274 N SERIES	4.95
CD-532	2/ PL-152	5 FT.	"	2.75
CD-509		8 FT.	BC-659/620	2.75

COAX CONNECTORS USED

UG-290/U	PANEL RECT	USED	25¢ EA	5/8	.00
UG-291/U	PANEL JACK	"	30¢ "	3/4	.00
UG-88/U	PLUG	"	35¢ "	3/8	1.00
UG-260/U	PLUG	"	39¢ "	3/8	1.00
UG-262/U	PANEL JACK	"	45¢ "	2 1/2	.75
UG-260/U	SPEC. ELBOW	"	45¢ "	2 1/2	.75
UG-21/U	PLUG	"	59¢ "	2 1/2	1.00
UG-22/U	PANEL JACK	"	59¢ "	2 1/2	1.00
UG-29B/U	ADAPTER	NEW	79¢ "	2 1/2	1.50
UG-29/U	ADAPTER SPEC	USED	59¢ "	2 1/2	1.00
UG-629/U	PANEL JACK	NEW	85¢ "	2 1/2	1.50
UG-36/U	PLUG	USED	\$5.00"		9.00
UG-306A/U	ANGLE ADAPTER	NEW	\$1.25 EA.		2.00
UG-420/U	PANEL JACK	"	\$1.25"		2.00
UG-421/U	PLUG	"	\$1.25"		2.00
UG-100/U	PLUG	"	59¢ "		1.00
UG-100/U	PANEL JACK SPEC.	U	59¢ "		1.00
UG-109/U	STRAIGHT ADPTER	U	79¢ "		1.00
10H528	PANEL JACK	NEW	79¢ "		1.50
10H702	ELBOW	NEW	79¢ "		1.50
10H1366	STRAIGHT	NEW	79¢ "		1.50



TS-239 OSCILLOSCOPE
GENERAL PURPOSE INSTRUMENT FOR TESTING RADAR & COMMUNICATION EQUIPMENT. DISPLAYS A LUMINOUS PLOT OF TIME-VARYING VOLTAGE PULSE OR WAVE ON A 3" CR TUBE. SINE WAVE OF 10 CYC TO 5 MC ARE SERVEABLE.

INPUT IMP. 300M OHMS W/30 MMFD CAP. SIGNAL INPUT SCOPE ONLY 1 TO 100 VOLTS PEAK. OUTPUT TRIGGER PULSE 1/25 V. 4 MICROSEC. DUR FREQ. RANGE 1 CYC TO 3 MC. PULSE DISPLAY .2 TO 5% MURSEC. INTERNAL SQUARE WAVE 150 CYC PER-SEC. ADJ. .1 TO 1 VOLT. ALSO 75 VOLT SQ. WAVE. SENSITIVITY .1 VOLT PRODUCES STAND. DEFLECTION W/MAX. AMPLIFICATION. CONTROLS & CONN. ON FRONT PANEL. SIX STEP MULTIPLIER EXTENDS RANGE 300 TIMES. SWEEP ADJ. .1 TO 50M MICROSEC. POSITIVE OR NEGATIVE POLARITY. WITH USE OF PROBE INPUT IVP. MAY BE INCREASED TEN TIMES WITH LOSS OF SENS. AND INCREASE IN VOLTSGE TO 450. WITH TUBES 3/6AK5, 2/6AG7, 2/6C4, 8/7F8 1/6AL5, 2/6SN7, 1/VR-105, 2/6X5, 1/5R4 & 1/3J1 SIZE: 21x16x13. WT: 75 LBS.

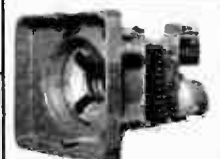
PRICE: USED REPARABLE \$45.00 CHECKED \$59.50



OS-29/UPM-4A
PRECISION SYNCHROSCOPE EMPLOYING A THREE INCH CATHODE RAY TUBE. THE SWEEP OF THE CRT CAN BE TRIGGER EXTERNALLY OR INTERNALLY AND CAN BE DELAYED WITH EITHER TRIGGER. THE SWEEP DURATION AND, WHEN INTERNALLY TRIGGERED, THE SWEEP FREQ. CAN BE CONTROLLED. THE INPUT SENSITIVITY OF THE VIDEO AMPLIFIER CAN BE VARIED IN SIX STEPS FROM 0.2-20 VOLTS PER INCH OF VERTICAL DEFLECTION. THE UNIT CONTAINS HIGH VOLTAGE POWER SUPPLY, BUT REQUIRES THE FOLLOWING VOLTAGES FOR OPERATION 300V, -27V, 425, 105V. NORMALLY SUPPLIED BY POWER SUPPLY PP-802/UPM-4A, NOT AVAILABLE. SIZE: 22x19x10. WT: 50 LBS. RENEW- \$34.95.....USED- \$22.95

RADIAC SET

AN/PDR-27CY RADIAC SET DESIGNED TO DETECT GAMMA AND BETA RADIATION OR GAMMA RADIATION ALONE. THE PRESENCE OF RADIATION IS INDICATED ON A MILLIROENTGENS PER HOUR METER WITH SCALES OF 0.5, 5, 50 AND 500 SELECTED BY A SWITCH. THE TWO MOST SENSITIVE RANGES UTILIZE A NAVY TYPE 5979/BS-1 GEIGER-MULLER TUBE IN THE PROBE WHILE THE TWO OTHER RANGES USE ONLY A NAVY TYPE 5980/BS-2 G-M TUBE. ONLY GAMMA RADIATION CAN BE MEASURED ON THE TWO LESS SENSITIVE RANGES. POWER REQUIRED: EIGHT "D" SIZE FLASHLIGHT BATTERIES (NOT INCLUDED). SIZE: 8x6x12 1/2 SHPG. WT: 15 LBS. LESS BATTERIES. PRICE: USED, COMPLETE \$29.95
MANUAL FOR AN/PDR-27C RADIAC SET \$5.00
"D" SIZE FLASHLIGHT BATTERIES .30 EA.



MT-314/MPG-1 INDICATOR TUBE MOUNT FOR 7BP7 C.R. ELECTRIC FOCUSING WITH DIEHL CONTROL MOTOR FPE-25 75 V 60 CYC 2 PH AND A.C. SELSYN 115 V. 60 CYC. TYPE XV #78386, CAST ALUM INUM HOUSING & TUBE SOCKET FOR 7BP7 CATHODE RAY TUBE, FACE 1 1/2" SQ. X 1 1/2" DEEP, WT: 35 LBS. PRICE: LESS 7BP7 C.R. TUBE UNUSED \$14.95 WITH 7BP7 C.R. TUBE \$24.95

AMPLIFIER CONVERTER



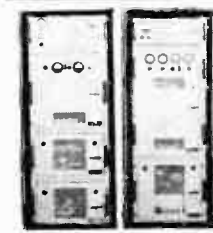
AM-1955/GRC AMPLIFIER CONVERTER COVERS FREQ RANGE 600 TO 1000 MHZ. IF SEEMS TO BE ABOUT 20 MHZ. A 115V 60HZ MOTOR IS PART OF AFC SYSTEM. POWER REQUIRED 150 VDC AND 6.3 VAC. TUBES 2C40A, 2/5842, 5654, 1N21B, 1N21WE, SIZE 15x9 1/2x8 SHPG WT: 30 LBS. USED EXCELLENT CONDITION \$75.00

PARTS BONNAZA



PLUG-IN TUNING UNITS USED WITH BC-191/BC-375 TRANSMITTERS. FOR LIST OF PARTS THAT ARE IN EACH UNIT LOOK IN OUR PREVIOUS CATALOGS OR SEND FOR LIST. SIZE: 17x9x7 1/2 WT. 15 LBS.
TU-7B 4500 KH -6200 KH USED \$4.95 NEW \$5.95
TU-8B 6200 " -7700 " " 4.95 " 5.95
TU-9B 7700 " -10000 " " 4.95 " 5.95
TU-10B 10M " -12500 " " 4.95 " 5.95
BC-306 ANTENNA TUNING UNIT FOR USE IN THE 150-800 KH RANGE. USED \$4.95 NEW \$5.95
NOTE: IF USED UNITS ARE NOT AVAILABLE WE WILL SHIP NEW AT THE NEW PRICE OR VICE VERSA.

TRC-29 MICROWAVE TRANSMITTER-RECEIVER



AN TRC-29 RADIO RELAY SET INCLUDES 303A TRANSMITTER AND R-418A RECEIVER IN THE 1700 TO 2400 MHZ RANGE WITH 27 PRESET CHANNELS; T-389A ORDER-WIRE TRANS. AND R-543A ORDER-WIRE REC. ON A 6 MHZ FM CARRIER FREQUENCY; AND PP-690, -689, & -754 POWER SUPPLIES. TRC-29 IS DESIGNED TO PROVIDE COMMUNICATION TRUNK SERVICE OVER AS MANY AS 20 TANDEM HOPE WITH 30 MILES LINE-OF-SIGHT BETWEEN REPEATER STATIONS. UNIT USED IN PPM, PCM, FREQ. DIVISION MULTIPLEX, TELEVISION, OR SWITCHOVER RELAY SYSTEMS. T-303A EMPLOYS A SRL-7 KLYSTRON OSCILLATOR (NOT AVAILABLE) FOLLOWED BY A 2C39A TRIODE 10 WATT AMPLIFIER R-418A HAS A 6BM6 KLYSTRON OSCILLATOR, AFC, AND AGC. ANTENNA INPUT-OUTPUT IMPED. 50 OHM WITH TUBES 13 IN R-453A, 29 (R-418A), 18 (PP-690), 16 (PP-689), 12 (T-389A), 37 (LESS SRL-7 IN T-303A), AND 11 (PP-764). POWER REQUIRED: 115/230 VAC 50/60 HZ 2300 WATTS. SIZE: 62x29x29 FOR TRANSMITTER AND RECEIVER SECTIONS EACH. TOTAL WT: 105 LBS. PRICE: TRC-29, UNUSED LESS SRL-7 \$395.00

400 WATT TRANSMITTER



TCK-4 400 WATT TRANSMITTER; 1.0 TO 18. MHZ IN SIX BANDS. OUTPUT: 400 WATTS CW; 100 WATTS PHONE. 100 KHZ CRYSTAL CALIBRATOR; VFO CONTROL ON 1 KHZ DIVISION DIAL. RF STAGES ARE GANG TUNED WITH DIGIT COUNTERS. WITH SIX 3 1/2" METERS FOR MONITORING VOLTAGES AND CURRENTS. ALSO OVERLOAD RELAYS, CIRCUIT BREAKERS, AND OTHER CONTRLS. WITH TUBES 2/813 (POWER AMP), 837 (DRIVER), 837 (VFO), 807 (AUDIO), 6SK7 (CALIBRATOR), 6SK7, 6SL7, 6SJ7, 6SN7, 6SQ7. POWER REQUIRED: 110 VAC 60 HZ (FILAMENTS). ALSO 1800 VDC @ 400 MA, 500 VDC @ 350 MA, 12 VDC @ 2 AMPS, AND 230 VDC. SIZE: 52x25x18 WT: 285 LBS. SHP . WT: 470 PRICE: RECONDITIONED \$125

RECEIVER-TRANSMITTER

RT-294A/ARC-44 RECEIVER TRANS



MITTER DESIGNED FOR AIRCRAFT USE IN THE FREQ. RANGE OF 24.0 TO 51.9 MHZ F.M. VOICE IN 280 PRE-SET CHANNELS. TRANSMITTER IS APPROX. 8 W. OUTPUT, 52 OHM LOAD, AIR TO GND. RANGE APPROX. 50 MILES. REC. AUDIO OUTPUT APPROX. 50 MW. ACROSS 150 OHM. 600 OHM HEADSET. MAY ALSO BE USED AS HOMING DEVICE FOR KEYED UNMODULATED OR CW SIGNALS. POWER REC. 27.5 VDC 3 A. 150 VDC @ 85 MA., 300 VDC @ 125 MA., 27 V. 400 CYC. FOR BLOWER WITH TUBES 9/5840, 7/57 18.4/5829, 3/5636, 2/5763, 1/5647, 1/5902, 1/6112 & 1/68F7. SIZE: 7 1/2x14x5 1/2; WT: 17 LBS. PRICE: USED, \$19.95

G-25A HAND TYPE MAGNETO GENERATOR USED TO RING TELEPHONE LINES; APPROX. OUTPUT 100 VOLTS. CAN BE USED AS SHOCK MACHINE, LIGHT SMALL LAMPS OR DRIVE WORMS OUT OF THE GROUND. PERMANENT MAGNETS. 4x2 1/2 DIA; 1 1/2 LB. U. \$2.95.

DC AIRCRAFT MOTOR; GE#5BA-50LJ29, 0.4 HP, 3000 RPM. ARMATURE: 60V. @ 2.3 AMPS FIELD: 27 VOLTS @ 6.5 AMPS DUTY: 10 MIN. @ FULL RATING. SHAFT IS CORKSCREW-TYPE 5/8 INCH DIA. FLANGE MTG. 3 1/2 CNTS. BODY SIZE: 6 1/2 x 4 1/2 x 4 1/2 WT: 11 LBS. \$4.95

SM-30-FR MOTOR, 115 VOLT 60 HZ 1/75 HP, 1-PHASE. 1750 RPM; 5/16 INCH DIA. SHAFT WITH FLY WHEEL THAT CAN BE REMOVED. SIZE: 5 1/2 x 4 1/2 x 4 WT: 5 LBS. \$2.95

JOHN OSTER TYPE C-24A-1B KS-5829 27 VDC, 0.01 HP 7000 RPM. SERIES MOTOR. SIZE: 3x2 DIA. SHAFT 1x 1/2 DIA. WT: 1 LB. USED 75¢ UNUSUED \$1.25

GE#5PR56HCM 110 V. 2.3 A. 8000 RPM. INT. 1/10 H.P. 50/60 CYC. REV. SIZE 3x5, SHAFT 3/16x1 STK.#3H3000B2 5 LBS. N.\$12.95

DICTAPHONE #7CB-2P; 115 V. 60 C 1/60 HP. 1740 RPM, SIZE 3x3, SHAFT EA. END 1x 1/2, 2LB. N \$9.95

ART-13 MOTOR, 28 VDC. .05 HP @ 3900 RPM. REVERSIBLE; BALL BEARING. MOTOR WILL OPERATE ON 12 VDC. SIZE: 4 1/2 x 3 1/2 DIA. WT: 1 1/2 LB. PRICE: GOVT RECONDITIONED \$2.95

DELCO MOTOR A7155 27.5 VDC 2.4 AMP. 1/30 HP 3600 RPM. SIZE: 5 1/2 x 2 1/2 DIA. SHAFT 1x 1/2 DIA. WT: 1 1/2 LB. UNUSUED \$2.95

TG-10 KEYER MOTOR, 115V. 60 HZ. 1550 RPM WITH 1-7/8" SHAFT GEARED TO 80 RPM. REMOVED FROM TG-10 EQUIPMENT. SIZE: 3 1/2 x 3 1/2 x 4 1/2 WT: 3 LBS. #3H3000-3 USED \$2.95

ELECTROLUX MOTOR 28.5 vdc 1.8 AMPS. 1/35 HP 220 RPM. SHAFT SIZE: 1 1/2 x 1/2 DIA. MOTOR SIZE: 4 1/2 x 3 1/2 DIA. WT: 5 LBS. USED \$3.95

WESTINGHOUSE BUSINESS MACHINE MOTOR, 0.025 HP. 115V. 50/60 HZ @ 1.2/1.0 AMPS. TO BE USED WITH 4 OR 3 MFD. CAPACITOR FOR 1425 OR 1725 RPM. SIZE: 4 1/2 x 4 1/2; WT: 5 LBS. SHAFT 5/16x 1/2 FLATTENED FOR RUBBER SHOCK MTG. BRACKET. NEW \$4.95

TELETYPE MOTOR AC; 110 VOLT 60 HZ. SINGLE PHASE, NON-SYNCHRONOUS. 0.04 HP, 1800 RPM. 1.25 AMP. DOUBLE SHAFT 1 1/2 x 3/16 AND 5/8 x 3/16 MOTOR SIZE: 5 1/2 x 5 1/2 WT: 13 LBS. SE#28478 USED \$4.95

RECORDER MOTOR, 115 V. 60 CYCLE CAP. REQ. 4 MFD. INT. DUTY. 900 & 1800 RPM. 3.5/2.5 HP OZ. IN MOTOR MOUNTED ON IN CLINE BASE THAT CAN BE REMOVED FOR FLAT MOUNT. 1/2" SHAFT AVAILABLE WITH OR WITHOUT CONE. MOTOR SIZE 4 1/2 x 3 1/2. REVERSIBLE DUAL SPEED. #HBC-2918-2N; 6 LBS. PRICES: WITH CONE \$5.95 LESS CONE \$4.95

HEINZ 1160039-C57; 115 V. 60 CYC. .7 A. 3500RPM MO. SIZE 3x3 1/2, SHAFT 1x3; 3 LB. CONT. N.\$6.95

EAC/WE KS-5718; 115 V. .27 A. 50/60 CYC. CAP. REQ. 4 MFD. DUAL SPEED 2750/3300 RPM. MC SIZE 3 1/2 x 3, 4 LBS. SHAFT 5/16x1, 1/50 HP. N.\$14.95

WE KS-5871-LOI MOTOR, 28.8 VDC @ 3.3 A. 5600 RPM. 0.04 HP SERIES WOUND. CONTINUOUS DUTY; REVERSIBLE WITH SPEED GOVERNOR. (MAY ALSO OPERATE AT 12 VDC AT REDUCED SPEED. SHAFT 1x 1/2, OVERALL SIZE: 6 1/2 x 3 1/2 DIA. SHPG. WT: 7 LBS. USED \$7.95

MERCURY MOTOR 24 TO 28 VOLT DC 60 HZ. OPEN FRAME TYPE, APPROX. 2500 TO 3000 RPM DEPENDING ON THE OPERATING VOLTAGE AND LOAD. SIZE: 2 1/2 x 2 1/2 x 3 WT 1 LB. #MER-MO2428 Used 75¢

OPEN FRAME MOTOR, 115V. 60 HZ. 500 RPM ONE DIRECTION, 1000 RPM THE OTHER. SHAFT 1x1/16" DIA. SIZE: 2x3x4 WT: 2 LBS. #B30B \$1.00

EMC TYPE 300, 45V. 60 HZ. 6.5 RPM. LIGHT OPEN FRAME 5x2 1/2 x 1 1/2. SHAFT: 1x3/16" DIA. WT: 1 LB. \$1.50.

GEARHEAD MOTOR, 115V. 60 HZ; 54 RPM, OPEN FRAME FOR MEDIUM USE. SHAFT 1x5/16" DIA. SIZE: 4x3x2 1/2 WT: 2 LB #9M203 UNUSUED \$2.95

GEARHEAD MOTOR, 115V. 60 HZ. 3.44 RPM. OPEN FRAME TYPE FOR LIGHT USE. SHAFT 4x5/16" DIA. MOTOR SIZE: 6x2x3 WT: 2 LBS. #ZA-1056 \$1.95

ARN-6 BANDSWITCH GEAR AND MOTOR ASSEMBLY, 28 VDC. BENDIX M-4A MOTOR. ASSY. SIZE: 1 1/2 x 1 1/2 x 3; MOTOR SIZE: 1 1/2 x 2 1/2 WT: 3 LBS. \$2.95

B-701/R-107 MOTOR FROM AS-313/ARN-6 LOOP ANTENNA. OPERATES FROM 26 VOLT 450 HZ @ 2750 RPM. WILL OPERATE FROM 12 VDC 60 HZ. SIZE: 3x2 1/2 x 3 WITH 3/8" GEAR. WT: 2 LB. PRICE: USED \$3.95

DELCO PM MOTOR #5069466, 27.5 VDC, 10,000 RPM. IN ALUMINUM CASE GEARED TO WORM GEAR. WORM GEAR 2000 RPM. MOTOR SIZE: 1 1/2 x 1 1/2 x 2 1/2; CASE SIZE: 2 1/2 x 2 1/2 WT: 2 LBS. #3H3100A-1 \$3.95

DELCO PM MOTOR 5067125, 27.5 VDC, 10,000 RPM. TWO GOVERNORS, TAPERED SHAFT 3/16x1/16" DIA. MOTOR SIZE: 3x1x1 WT: 5 LBS. \$3.95

PM MOTOR ASSEMBLY & GEAR TRAIN USED IN R-44 RECEIVER FOR REMOTE TUNING. CONTAINS DELCO PM MOTOR #5069370, 10,000 RPM, AND IS GEARED TO TWO SHAFTS WITH A 3" AND 1/2" GEAR WHICH TURN AT 40 AND 80 RPM. ASSY. SIZE: 4 1/2 x 6 x 3, SHAFT 1/2 x 1" DIA. WT: 3 1/2 LBS. #3H3100-15 \$4.95

VICKERS AR-10007G 115 VOLT 50/60 CYCLE SELENOID OPERATED AIR VALVE ONE INLET ACTUATES TUBE PLUNGER 1" STROKE. USED SIZE: 6x4x2 1/2; 5 LBS. \$18.00

REDMOND BLOWER MOTOR: 24 VOLT DC 6000 RPM MOTOR .96 AMPS. OVERALL SIZE 4 1/2 x 3 1/2 x 3 1/2; WT: 2LBS. #451-1085 UNUSUED \$4.95

JOHN OSTER 10 CFM BLOWER WITH MOTOR C28P-1A. 27.5 VDC 0.01 HP, 6000 RPM. SIZE: 3 1/2 x 3 1/2 x 4 1/2 WT: 4 LBS. USED \$3.95

28 VDC BLOWER, 6200 RPM WITH THE OPTION OF EITHER A SHUNT MOTOR TYPE OR PM MOTOR. SIZE: 3x2 1/2 x 3 SHPG. WT: 4 LBS. BLOWER WITH SHUNT MOTOR \$3.95 BLOWER WITH PM MOTOR \$6.95

12/24 VOLT DC DUAL BLOWER, APPROX. 50 CFM, 1500 RPM @ 12 VDC; 100 CFM, 3000 RPM @ 24 VDC. SIZE: 10x5x5 WT: 7 LBS. USED \$3.95

LOW SPEED MOTOR, 230 V. 60 HZ, 10 RPM WITH GEARBOX. SHAFT 1/2 x 1/2 DIA. MOTOR SIZE: 2 1/2 x 2 1/2 x 4, WT: 2 LBS. USED \$1.95

PHONOGRAPH MOTOR, 80 VDC 60 HZ. 78 RPM. WILL ALSO OPERATE ON 115V. WITH RESISTOR. ON MOUNTING PLATE. SIZE: 6x3x3 WT: 2 LBS. USED 59¢

AY-201 SYNCHRO CONTROL TRANSFORMER, ROTOR 1 PHASE 26 V., STATOR 11.8 V. 400 CYCLE. SIZE: 1 1/2 x 1 1/2; SHAFT 1/16x 1/2. VARIOUS MANUFACTURE PRICE: REMOVED FROM EQUIP. \$2.95

AY-165 AUTOSYN DIFFERENTIAL, 400 CYCLE, 11.8 V. 3 PHASE ONE TO ONE RATIO. BENDIX & OTHERS. SIZE: 1 1/2 x 1 1/2. PRICE: REMOVED FROM EQUIP. \$2.95

AY-231 AND AY-232 SAME SPECS. AS ABOVE.

AY-123 AUTOSYN RESOLVERS; 400 CYCLE, ROTOR 2 PHASE 26 VOLT, STATOR 2 PHASE 11.8 VOLT. PRICE:

AY-177-B1 AUTOSYN DIFFERENTIAL 400 CYCLE 3 PHASE 11.8 V. TO 3 PHASE RATIO 1-1 SIZE: 1 1/2 x 1 1/2; SHAFT 1/16 PRICE: NEW \$2.95

SYNCHRO GENERATOR SPERRY#R5663642, MFG. BY BENDIX. SIMILAR TO BENDIX AY-401-2, OPERATES FROM 26 VOLTS 400 CYCLE SINGLE PHASE WHEN USED IN CONJUNCTION WITH AY-201 CONTROL TRANS. IT WILL OPERATE UP TO 20 UNITS. SIZE: 2 1/2 x 2 1/2; WT: 12 OZ. PRICE: NEW \$2.95

SPERRY RAY-248, RCY-250, RBX-251, 662428, 662-426, 652174 AND OTHERS. PRICE: RE-MOVED \$2.95

HUGHES RESOLVER 810229, 810228, 810227 RM\$2.95 KETAY TRANSFORMER K-101300-20 RE-MOVED \$2.95

23CX4 TRANSMIT. 115 V. 400 CYC USED \$ 8.95
23TX4 " " " " " " " 8.95
23TX6 " " 115 V. 60 " " " 12.95
23CT4 CON/TRANS. " 400 " " " 8.95
23RS4A RESOLVER 90/90V " " " " 8.95
23CT6 TRANSFORMER 90/1V PER. DEG."60CY 8.95

2JIHI SELSYN DIFFERENTIAL GENERATOR NORMALLY OPERATES FROM 57.5/57.5 VOLTS 400 CYCLE BUT WILL OPERATE FROM 26 VOLT 60 CYCLE AS SHOWN IN WIRING DIAGRAM ON PAGE 31. SIZE: 2 1/2 x 4 1/2; WT: 8oz. PRICE WITH CONNECTOR CAPS.....\$3.95

JAYSTROM TRANSCOIL CONTROL MOTOR 115 VOLT 60 CYCLE, 1 PHASE, 2 PHASE 200 VOLT CT. 3200 RPM. SIZE: 2 1/2 x 2, SHAFT SIZE: 1/16x 1/2 WITH GEAR. REMOVED FROM NEW EQUIPMENT. PRICE: \$5.00

GE SELSYN CONTROL TRANSFORMER 57.5/57.5 VOLTS 400 CYCLE. (WILL OPERATE FROM 26 VOLTS 60 CYCLE) SIZE: 2x2; 1 LB. PRICE NEW \$3.95

GM-4 AMMUNITION BOOSTER GEARED MOTOR MOUNTED INSIDE FRAME WITH SHAFT & SPROCKETS THAT ARE 3 1/2" DI & 3 1/2" APART. MOTOR DESIGNED FOR 24 V. 400 CYC. 3 PHASE, BUT CAN BE OPERATED FROM 24 V. 60 CYC @ 20 RPM BY USING 4 MFD CAP. USING HIGHER CAP INCREASE SPEED AND TORQUE. STAINLESS STEEL FRAME CAN BE REMOVED EASILY. INST. FURNISHED. SIZE: 7 1/2 x 2 1/2 x 5 1/2; 10 LBS. GE#9160256-G4M N. \$5.95

LINEAR ACTUATOR, STAT. 200, TENS. 40, COMP. 40. ARM TRAVEL 5/16". MOTOR 115V. 400 HZ, 1600 RPM. DUTY 1/10, 0.04 HP. TORQUE: 6.7 IN-OZ. SIZE: 5x5x3 1/2 WT: 5 LB. AIRSEARCH#34930 USED \$3.95

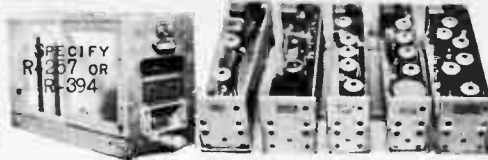
LINEAR ACTUATOR, STAT. 200, TENS 75-100, COMP. 75-100. ARM TRAVEL 3/4". MOTOR 115V. 400 HZ, 0.025 HP 6500 RPM. DUTY 1/10, TORQUE: 3.9 IN-OZ. SIZE: 5x8 1/2 x 4 1/2 WT: 5LB AIRSEARCH#3D146-120 USED \$3.95

RATCHET MOTOR, 24 VDC 60 RPM CONTINUOUS. ALSO THREE POSITION STOP. BAND SWITCH ASSEMBLY AS USED IN R-5/ARN-7 COMPASS RECEIVER. UNIT WILL ALSO OPERATE FROM 18 TO 24 VDC. SIZE: 3x4x1 1/2 WT: 2 LBS. #609-ARN-7 \$1.25

GENERAL INDUSTRIES HEAVY DUTY PHONOGRAPH MOTOR, 115 VOLT AC 60 HZ. 33-1/3 RPM. SIZE: 4x4 1/2 x 4 WT: 6 LBS. G1#4483 USED \$1.95



R-394/U RECEIVER F.M. 152-172 MC.
 SINGLE CHANNEL CRYSTAL CONTROL
 DUAL CONVERSION, CRYSTAL FREQ.
 RANGE 24.033 TO 27.7 THIRD OVER-
 TONE, TYPE CR-32/U, I.F. FREQ.
 7.8 MC & 455 KC. 15 KC DEVIATION,
 OUTPUT IMPEDANCE 8 OHMS, POWER
 6 WATTS, SQUELCH AND MUTING CIRC.
 MODULAR CONSTRUCTION WITH PLUG-IN
 UNITS FOR EASY SERVICING.
 1ST R-F AMPL. UNIT W/TUBES 1/5840
 2/1A4.....LOCAL OSCILLATOR UNIT
 W/TUBES 2/1A4,1/5678,1/VR31-5783
1ST I-F 7.8 MC UNIT W/TUBES
 3/5678.....2D I-F AND DISCRIMINATOR UNIT WITH
 TUBES 7/5678.....AUDIO AND SQUELCH UNIT WITH
 TUBES 3/5678,1/5672,1/6AK6 ALSO 455 KC SELECTIVE
 FILTER UNIT WHICH IS WIRED, NOT PLUG-IN.
 ILLUSTRATION SHOWS THE PLUG-IN UNIT AND THE
 COMPARTMENT WHERE THE POWER SUPPLY IS ALSO
 PLUGGED INTO. COVER IS SUPPLIED AND HELD IN
 PLACE BY A SPRING LOADED FASTNER.
 POWER SUPPLIES, CONNECTOR, CONTROL UNIT AND
 OTHER ITEMS THAT ARE USED WITH THIS SET ARE
 LISTED ELSEWHERE ON THIS PAGE.
 SIZE: 8 1/2 x 5 1/4 x 1 1/2; WT: 19 LBS.
 PRICES: USED GOOD CONTITION.....\$14.95
 GOV'T RE-CONDITIONED.... 22.50



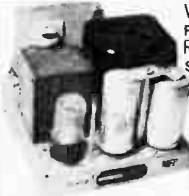
**R-257 OR R-394 RECEIVER CHASSIS ONLY LESS ALL
 PLUG-IN UNITS AND FILTERS, WITH CONNECTORS &
 COVER. SHPG. WT: 15 LBS. USED \$4.95**
R-257 OR R-394 RECEIVER PLUG-IN UNITS ONLY
NX-1547 RECEIVER RELAY SUBASSEMBLY \$4.95
1ST R.F. AMPL. W/TUBES 1/5840, 2/1A4 \$3.95
LOCAL OSCILLATOR W/TUBES 2/1A4, 1/5678 \$4.95
1/VR31-5783 & CRYSTAL. (NO CRYSTAL CHOICE)
2ND I-F AND DISCRIMINATOR W/ TUBES 5678 \$3.95
1ST I-F 7.8 MC. W/TUBES 3/5678 & CRYST \$4.95
AUDIO & SQUELCH W/TUBES 3/5678, 1/5672
AND 1/6AK6 \$3.95
SELECTIVE FILTER 455 KC. (NOT SHOWN) \$2.95



**AN/GRR-5 RADIO RECEIVING
 SET FOR USE IN THE 1.5 TO
 18 MHZ RANGE, 4 BANDS 115
 VOLTS 50 OR 60 CYCLE, 6,
 12, 24 VDC OR DRY CELL
 BATTERIES 90 AND 1.5 VDC.
 CAN BE USED FOR OPERATION
 THE SET CONSISTS OF THE
 R-174 RECEIVER WHICH IS A
 SUPERHETRODYNE RECEIVES
 AM, CW AND MCW SIGNALS,
 WITH CONTINUOUS TUNING
 AND FACILITIES FOR PRESETTING ANY 10 CHANNEL
 FREQ., 200 KHZ CRYSTAL CALIBRATOR, 455 KHZ IF
 WITH TUBES 1/3V4, 3/1R5, 3/1L4 & 1/1U5. THE OUT
 PUT OF THE REC. IS FEED INTO A HEAVY DUTY 4"
 SPEAKER THAT IS PART OF THE PP-308 POWER SUPPLY
 AND TO OUTPUT PHONE JACKS ON THE REC.
 PP-308 POWER SUPPLY FURNISHES ALL THE VOLTAGE
 REQUIRED WHEN ANY OF THE POWER SOURCES ARE
 APPLIED AS STATED ABOVE AND IT ALSO CONTAINS
 THE SPEAKER. BOTH UNITS ARE MOUNTED IN A TWO
 COMPARTMENT CABINET THAT IS SHOCKMOUNTED.
 PP-308 IS SUPPLIED WITH TUBES 2/6AG7, 1/1007 &
 1/0B2.
 SIZE: 13 1/2 x 8 1/2 x 12 1/2; WT: SHPG. 75 LBS. ACTUAL 62
 PRICE: USED, REPARABLE \$49.50 CHECKED, \$59.50
 POWER INPUT PLUG ONLY \$2.50; FIVE (5)
 FT AC LINE CORD 50¢; 15 FT. DC CORD \$1
 MANUAL FOR AN/GRR-5 \$7.50**



**R-257 RECEIVER 25 TO 50 MC FM
 SAME AS R-394 RECEIVER ONLY
 DIFFERENT FREQUENCY RANGE.
 USES ALL THE SAME ACCESSORIES
 POWER SUPPLIES, TUBES ETC.
 SAME SIZE AND WEIGHT.
 USED \$14.95**



**VIBRATOR TYPE POWER SUPPLIES
 FOR USE WITH R-394 & R-257
 RECEIVERS. THE OUTPUT OF THE
 SUPPLIES ARE THE SAME AND ARE**

155 VOLTS DC @ 15 MA.
150 " " " @ 5 "
140 " " " @ 50 "
-40 " " " @ .5 "
6.3 " " " @ .45 AMPS.
6.3 " " " @ 1.0 "
1.4 V " " @ 1.25 "

PP-867/U 24 VOLTS DC @ 1.1 AMPS USED \$4.95
PP-868/U 12 " " @ 2.0 " " 9.95
PP-869/U 6 " " @ 3.7 " " 6.95
PP-846/U 115/230 V 60 CYC 2 AMPS " 18.95
**PP-844 115/230V, 60 CYCLE AC POWER SUPPLY
 FOR T-417, T-208 AND T-278 TRANSMITTERS.
 RECOND \$32.95 USED \$27.95**
**C-844/U CONTROL UNIT FOR OPERATION OF RADIO
 SET FROM REMOTE POINT. USED \$14.95**



**CY-938 ELECTRICAL EQUIPMENT CABINET; USED TO
 HOUSE RECEIVERS R-394 OR R-257, TRANSMITTERS
 T-208 OR T-278 AND POWER SUPPLIES DY-93 OR DY-
 98 OR DY-100 FOR THE TRANSMITTERS.
 SIZE: 17 1/2 x 11 1/2 x 25; WT: 33 LBS.
 PRICES: USED \$7.95 UNUSED \$9.95**



**T-208/U TRANSMITTER F.M.
 25 TO 50 MC 25 WATTS.
 SINGLE CHANNEL CRYSTAL
 CONTROL, L5 KC DEVIATION,
 VOICE ONLY TRANSMISSION.
 CRYSTAL UNIT CR-27/U, FREQ
 RANGE 1,562.5 TO 3125 KC.
 X 16 FOR ALL FREQUENCIES.
 100 MV CARBON MIC. WITH
 TUBES 3/2E24, 1/3B4, 2/5672
 4/5678 & 3/1A4.**

**VOLTAGES REQUIRED ARE AS SHOWN WITH DYNAMO
 TORS DY-93/12 V, DY-98/24 V. DY-100/6 V.
 SIZE: 8 1/2 x 4 1/2 x 1 1/2; WT: 11 LBS. USED \$18.95**



**CHASSIS CONNECTORS TO
 FIT R-394, R-257, T-416
 T-278, T-208 & SUPPLIES**

**TRANSMITTER PLUG P-401 CHASSIS CONNECTOR NO'S
 J-801, CANNON# DPD-A32C2-33S-2L \$2.50**
**RECEIVER PLUG R-252; CHASSIS CONNECTOR NO'S
 J-803, CANNON# DPD-A31C1-33S-2L \$2.50**
**POWER SUPPLY PLUG P-1203; CHASSIS CONNECTOR
 NO'S J-802, CANNON# DPD-30-33S-22 \$2.50**
UG-77 PLUG ON 4 1/2 FOOT CORD.....\$1.00
H-33/PT HANDSET ON 4 1/2' CORD WITH UG-77 U 5.95



**C-847 RADIO CONTROL BOX;
 USED TO CONTROL THE SYSTEM,
 HAS HEAVY ALNICO MAGNET 4"
 SPEAKER FOR MONITORING REC.
 CONTROLS FOR SQUELCH, VOLUME
 ON/OFF SW. PILOT LIGHTS AND
 RECEPTACLE FOR H-33 HANDSET WHICH HAS UG-77
 SIZE: 9 1/2 x 5 1/2 x 3 1/2; WT: 6 LBS. USED \$8.95
 H-33/PT HANDSET WITH CORD & UG-77 " 5.95**



**T-278/U TRANSMITTER F.M.
 152 TO 174 MC APPROX. 30
 WATTS, CRYSTAL CONTROL ON
 ANY TWO (2) PRESET FREQ.
 PHASE SHIFT MODULATION 15
 KC DEVIATION, CR-27/U CRY
 STAL UNIT FREQ. RANGE
 4750-5437.5 KC. MULTIPLIED
 32 TIMES. WITH TUBES 2/
 3B4, 3/2E24, 4/5678, 2/5672
 AND 2/1A4.**

**VOLTAGES REQUIRED AS SHOWN WITH DY-93 DYNAMO
 TCR ELSEWHERE ON THIS PAGE. USED \$18.95
 SIZE: 8 1/2 x 4 1/2 x 1 1/2; WT: 12 LBS. UNUSED \$24.95**

**CV-278 FREQUENCY SHIFT CONVERTER
 USED TO CONVERT FREQUENCY SHIFT
 SIGNALS TO NEUTRAL OR POLAR MARK
 ING OR DC IMPULSES. THE FREQ.
 SHIFT-KEYED (FSK) SIGNALS ARE
 RECEIVED FROM THE I.F. OF THE
 RECEIVER WITH A RANGE OF 450 TO
 500 KC AND ARE CONVERTED TO DC
 IMPULSES AND USED FOR OPERATION
 OF TELETYPEWRITER OR REPERFORATOR MACHINES.
 CRYSTAL CONTROL, BAND WIDTH 1500 CPS. WITH
 TUBES 2/26A6, 1/26A7, DIODES 1/1N63, 2/1N69.
 VOLTAGE REQ. 28 VDC @ 2.0 AMPS. SIG. INPUT
 METER 0-100 & DISC. 50-0-50 1-3/4" MICROAMP.
 SIZE: 9 1/2 x 13 1/2 x 7 1/2; WT: 23 LBS. USED \$24.50
 CONNECTOR PLUGS FOR INPUT OR OUTPUT. \$2.50**



TRANSMITTER RECEIVER



**RT-53/TRC-7 RECEIVER-
 TRANSMITTER; 100-156
 MHZ, A.M. VOICE, 1.5 W
 CRYSTAL CONTROL ON 2
 PRESELECTED CHANNELS,
 1 1/2" METER, PHONE, MIC,
 & MONITORING JACKS, VOL.
 CONTROL ETC. WITH TUBES
 3A5, 1/1LA3, 1/3C4 & 2/3A4. VOLTAGES
 REQUIRED 90 VDC, 60 VDC & 4 1/2 VDC.
 SIZE: 11 1/2 x 5 1/2 x 13 1/2; 15 LBS. USED \$24.95**

**MD-203/GR MODULATOR FOR TRANS
 MITTER. PROVIDES FOR CONVER-
 SION OF CW SIGNALS INTO FREQ.
 SHIFTED RADIOTELETYPE SIGNALS
 BY INTRODUCING SELECTABLE AMTS.
 OF FREQ. SHIFT INTO THE EXCITE
 R CIRCUIT OF THE TRANS. SHIFT MAG
 NITUDE 850, 425, 212 OR 106 CYCLE
 SEL. MANUALLY FROM FRONT PANEL.
 DESIGNED FOR USE WITH T-195/GRC
 19 TRANS. CAN BE USED WITH ANY TRANSMITT.
 HAVING AN EXCITER OUTPUT WITH A FUNDAMENTAL
 FREQ. RANGE OF 1.5 TO 3 MC. AND A MINIMUM OUT
 PUT OF 1 VOLT. POWER REQ. 27.5 VDC @ 1.8 AMPS
 WITH TUBES 1/26A7, 5/26A6 AND 1/26D6
 SIZE: 9 1/2 x 7 1/2 x 13 1/2; WT: 25 LBS. PRICE: USED \$19.95**



RECEIVER



**AF/URG-60
 RECEIVER
 100-156 MHZ
 AM CRYSTAL
 CONTROL (1)**
**ONE CHAN. AVC, SQUELCH, NOISE LIMITER,
 WITH TUBES 4/6AK5, 4/6SG7, 2/6H6, 1/6F6,
 2/6SJ7 & 1/5Y3GT ALSO PHONE JACK, LINE
 JACK, VOL. CONT. PILOT LT. SWITCH ETC.
 RACK MTG. 19x5 1/2 x 15 1/2; SHPG. WT: 50 LBS.
 POWER REQUIRED, 115 VOLT, 25 TO 60 CY
 PRICES: USED \$39.50 CHECKED \$49.50**

**LENGTH
 7 FT.
 3 LBS.
 \$10.00**



**CX-2371 CABLE ASSEMBLY
 USED FOR CONNECTING R-
 394-257 REC. T-208-
 278, 416, 417 TRANS.
 TO THE VARIOUS CABIN
 ETS SO THE UNITS CAN
 BE SERVICED OUTSIDE
 THE CABINETS.**

**CX-2341 CABLE USED FOR CONNECTING CON
 TROL BOX TO CABINET. NO PLUGS ON THIS
 BLE. PRICE: 50¢ PER FOOT.**

**PP-638/U POWER SUPPLY USED WITH AM-494
 & AM-495 POWER AMPLIFIERS. INPUT 115/
 230 VOLTS 50/60 CYCLE, OUTPUT 1100 VDC
 @ 320 MA, 230 VDC @ 60 MA AND 6.3 VAC
 @ 5.2 A. 2 1/2" RUGGEDIZED METERS 50 MADC
 500 MADC AND 1.5 KVDC ALSO BLOWER FOR
 COOLING. UPPER COMPARTMENT SIZE 15Wx
 3 1/2 H x 8 1/2 D.
 SIZE: 31 1/2 x 20 1/2 x 24 1/2; WT: 150 LBS.
 PRICE: RE-NEW \$100.00**



**AN/TRC-34 RADIO SET 152 TO 172 MHZ,
 FM 50 WATT OUTPUT, DUAL FREQ. SELECT
 ION ON ANY TWO PRESET CRYSTAL CON-
 TROL. TWO WAY COMMUNICATION OR RAD
 IO RELAY USE.
 THE SET CONSISTS OF T-416 TRANSMITT.
 THAT IS THE SAME AS T-278 EXCEPT IT
 USES A 5894 TUBE IN THE FINAL, R-394
 REC., C-844 RELAY CONTROL BOX, PP-
 804 & PP-846 115/230 V 60 CYC POWER
 SUPPLIES AND CY-1221 CABINET, THAT
 HAS THE CONTROLS FOR LOCAL USE.
 SIZE: 21 1/2 x 17 x 20 1/2; WT: 150 LBS. PRICE: USED \$100.00
 T-416/GR TRANSMITTER ONLY \$49.50 CY-1221 CABINET \$20**

DC. SUPPLIES

OPERATE FROM 115 VOLTS 60 CYCLE AND ARE COMPLETE WITH TRANSFORMER, RECTIFIER, CAPACITOR, SWITCH, LINE CORD, PILOT LIGHT, LINE FUSE ETC. INDICATED RATINGS ARE FOR LOAD CONDITIONS.

OUTPUT 12/14 VOLT DC @ 3 AMP
 SIZE: 5 1/2 x 9 1/2 x 5; WT: 13 LBS.
 STK. #12/14VDC3A.
 PRICES: KIT OF PARTS \$10.00
 WIRED \$14.95



OUTPUT 12/14 VOLT DC @ 6 AMPS.
 SIZE: 5 1/2 x 9 1/2 x 5; WT: 15 LBS.
 STK. #12/14VDC6A
 PRICES: KIT OF PARTS \$14.00
 WIRED \$18.95

OUTPUT 24/28 VOLTS DC @ 4 AMPS
 SIZE: 5 1/2 x 9 1/2 x 5; WT: 12 LBS.
 STK.#PS-24VDC4A
 COMPLETE WIRED...\$17.95
 KIT OF PARTS.... 13.00

OUTPUT 12/14 VOLT DC @ 4 AMPS.
 SIZE: 5 1/2 x 9 1/2 x 5; WT: 13 LBS.
 STK.#12/14VDC4A
 PRICES: KIT OF PARTS \$12.00
 WIRED \$16.95

OUTPUT 24/28 VOLTS DC @ 1 1/2 A.
 SIZE: 7 x 6 x 5; WT: 6 LBS.
 #PS-24VDC1.5A WIRED...\$10.95
 KIT OF PARTS \$8.00

OUTPUT 12/14 VOLTS DC @ 2 AMP
 SIZE: 7 x 6 x 5; WT: 7 LBS.
 #PS-12VDC2A WIRED...\$9.95
 KIT OF PARTS..... 7.00

MOBILE SUPPLY

AVA-126 VIBRATOR POWER SUPPLY;
 OUTPUT 300 VDC 100 MA. OPERATES
 FROM 6, 12 OR 24 VOLTS D.C WHEN
 THE PROPER VIBRATOR IS USED, OCTAL
 BASE. SUPPLIED WITH 6 VOLT VIBRATOR
 (USED WITH AVT-112 AIRCRAFT TRANS)
 ILLUSTR. COVER REMOVED. UNUSED
 SIZE: 7 1/2 x 7 1/2 x 7 1/2; WT: 12 LBS. \$4.95

RA-42 POWER SUPPLY RACK
 MOUNTING 19", 115/230 V
 60 CYC OPERATION, OUT-
 PUT 200-250 VDC 100 MA
 HOUSED IN CABINET 7x8x8 1/2
 WT. 30 LBS.
 USED \$12.00

RA-87 RECTIFIER; FOR USE
 WITH TELETYPE EQUIPMENT.
 CONVERTS 95 TO 125 VOLT OR
 190 TO 250 VOLTS 50-60 CYC
 TO 115 VDC 400 MA AND 115
 VAC 4.35 A. WHEN USED WITH
 190 TO 250 VAC INPUT. RE-NEW \$12.95
 SIZE: 14 1/2 x 7 1/2 x 8; 45 LBS.. USED \$8.95

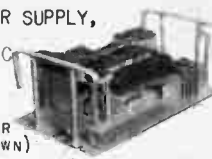
RA-74D POWER SUPPLY FOR
 RECEIVERS BC-779, 794, 1004,
 R-270 & R-129U
 INPUT 95/105/117/130/190/
 210/234/260 VAC 25-60 CYC.
 OUTPUT 380 VDC @ 50 MA. 250
 VDC @ 100 MA 100 VDC 4.5 MA
 -50 VDC 11 MA & 6.3 VAC 7 AMP. WITH TUBES
 1/5Y3GT & 1/5U4G.
 RACK PANEL MTG. SIZE: 19x10 1/2 x 10; WT: 100 LBS
 PRICE: RE-NEW\$24.95

RADIOSONDE

AN/AVT-4A RADIOSONDE: CONSISTING OF
 THE T-304A TRANSMITTER & MD-147C MOD-
 ULATOR. TRANS. IS A.M., 1680 MHZ AND
 THE MODULATOR CONTAINS THE PRESS-
 URE SENSITIVE ELEMENT OR ANEROID,
 TEMPERATURE ELE. HUMIDITY ELEMENT
 AND A COMPUTATOR, SERVES AS A SWITCH-
 ING ARRANGEMENT FOR THE DIFFER-
 ENT SERVICES WHICH IS TRANSMITTED
 BY THE RADIOSONDE THAT IS TAKEN UP
 BY A METEOROLOGICAL BALLON. ALSO USED FOR
 TRACKING WIND DIRECTION. WITH TUBES 5794 AND
 5875. BATT. VOLTAGE REQ. 1.5, 6 & 115 VDC.
 WT: LESS BATT. 1 1/2 LBS. (613 GRAMS.)
 PRICE: TRANS. & MODULATOR LESS BATT. N \$7.95
 TRANS. ONLY \$4.95 MODULATOR ONLY 3.95



LENKURT MODEL 5047A POWER SUPPLY,
 INPUT: 115 VAC 60 HZ.
 OUTPUT: 24 VCT. 10 AMPS AC
 AND 160V. 150 MA DC.
 CONSTRUCTED ON AN ALL-
 ALUMINUM CHASSIS WITH
 VENTILATED ALUMINUM COVER
 WITH FLIP-LOCKS. (NOT SHOWN)
 SIZE: 19 1/2 x 7 1/2 x 10 1/2 WT: 45 LBS. \$24.95



PP-1243 POWER SUPPLY
 USED WITH AN/URM-32
 FREQ. METER, CAN ALSO
 BE USED WITH OTHER
 EQUIPMENT.
 POWER REQ. 115/230
 VOLT 50-450 CYCLES.
 OUTPUT VOLTAGES 180 VDC
 @ 20 MA. 6.3 VAC @ 1.1 AMP. WITH 6X4 TUBE
 SIZE: 12x3 1/2 x 7; WT: 8 LBS. USED \$24.95

PP-142 POWER SUPPLY 115 V
 60 CYC VOLTAGE REGULATED
 300 VDC 250 MA. ALSO
 6.3 @ 3.75, 6.6 @ 9 A.
 WITH TUBES 3/6Y6G,
 2/5U4G, 1/6AK7 & VR-150
 ADJUSTMENT FOR B FUSE-BLINES, INDICATOR AND
 EXT. JACKS FOR OUTPUT ON FRONT PANEL.
 SIZE: 9 1/2 x 16 1/2 x 2 1/2; WT: 85 LBS. USED \$22.50

PE-157 POWER SUPPLY; HAND CARRING
 TYPE WITH LEATHER HANDLE. HAS COMP
 ARTMENT FOR INSTALLING BB-54 2 VOLT
 WET CELL WHICH IS POWER SOURCE FOR
 OPERATING THE VIBRATOR SUPPLY THAT
 HAS A OUTPUT OF 1.5 VDC @ 490 AMPS.
 AND 135 VDC @ 50 MA. (APPROX. V/A)
 ALSO HAS SPACE FOR MTG. 4" SPEAKER.
 SIZE: 6 1/2 x 12 x 6; WT: 19 LBS.
 PRICE: USED LESS SPEAKER & BATTERY \$14.95
 BB-54 BATTERY 2 VOLT NEW \$ 2.95

PP-308/URR POWER
 SUPPLY; OUTPUT VOLT-
 AGES OF 90 VDC, 1.4
 VDC, AND -4.2 VDC.
 A PORTABLE UNIT
 WHICH CAN OPERATE
 FROM 115V. 60 CYCLE
 LINE OR FROM 6, 12 OR
 24 VOLT VEHICULAR BATT-
 ERY; WITH FUSE HOLDERS, POWER-SELECTOR
 SWITCH, POWER ON-OFF SW, SPEAKER ON-OFF SW,
 AND SPEAKER FOR A RECEIVER*. TAKES 4 COND.
 FEMALE CONNECTOR (NOT AVAILABLE). WITH TUBES
 2/6AG7 AND 0B2. SIZE: 5 1/2 x 8 x 12 WT: 30 LBS.
 WITH GOV'T SPEAKER \$14.95 NO SPEAKER \$9.95
 " COMMERCIAL " \$12.95 CONDITION USED SERVE

PP-691/G POWER SUPPLY
 USED WITH THE TCC-13
 MULTIPLEXER SYSTEM,
 OUTPUT 250 VDC @ 1.5 A
 AND 115 VAC @ 5 A.
 TRANSFORMER HAS 34 VCT
 WINDING THAT IS NOT
 USED, METER 2 1/2" 0-150
 VOLTS AC, CIRCUIT BREA
 KERS AND FUSED CIRCUIT
 RACK PANEL MTG. 19x12x
 1 1/2; WT: 125 LBS.
 PRICE: USED SERVICEABLE EXCELLENT \$19.50

AUTO-RACE PACK BY VARNEY
 TWO 14 VDC 600 MA. SECONDARIES
 MAKE THIS IDEAL FOR A SMALL
 BENCH POWER SUPPLY WITH THE
 ADDITION OF A REGULATOR AND
 FILTER. INCLUDES TRANSFORMER COVER, SWITCH,
 5 1/2 FT. LINE CORD. 5 1/2 x 3 1/2 x 2 1/2 WT: 3 LBS. \$2.95

AC TO DC POWER SUPPLY; 115
 VOLT 50-60 CYCLE INPUT,
 OUTPUT 115 TO 230 VDC IN
 VARIOUS STEPS AS CAN BE
 ADJUSTED BY THE TAP SWITCH
 ON THE PRIMARY AND SECOND-
 ARY IN SIX STEPS, APPROX. 400 TO 500 MA. D.C.
 #KS-5825-L01 SIZE: 19x3x10; WT: 45 LBS.
 PRICE: USED \$9.95

PP-484/FGC-5 VOLTAGE
 REGULATED POWER SUPPLY
 OPERATES FROM 115/230
 VOLT 50/60 CYCLE 1 PH.
 OUTPUT 115 VDC 100MA
 225VDC 550 MA.; 4/6.3
 VAC 12 AMP. -6.3V BIA. WESTON 301 METERS
 3 1/2" 0-10 VAC; 0-200 VDC & 0-500 VDC; W/
 TUBES 2/3B28, 2/2050, 2/12AU7, 6Y6 & 5U4.
 ALSO 2 AC OUTLETS ON FRONT PANEL. 19x11 1/2
 x 20; WT: 150 LBS. USED \$29.95

RECEIVER POWER SUPPLIES AND
 SPEAKER FOR THE FOLLOWING:
 R-23/ARC-5 BC-453 BC-342
 R-24/ARC-5 BC-454 BC-344
 R-25/ARC-5 BC-455 BC-348
 R-26/ARC-5 BC-946 BC-429
 R-27/ARC-5 R-108, 109, 110

COMPLETE WITH DYNAMIC SPEAKER HOUSED IN A
 METAL CABINET WITH CONNECTING CABLE, PLUG,
 PHONE JACK, VOLUME CONTROL, BFO SWITCH, ETC.
 IF APPLICABLE. CAN ALSO BE USED FOR OTHER
 SETS. OUTPUT: 200/250 VDC @ 90/60 MA AND
 24 VAC @ 2 AMPS. INPUT: 115 VAC 60 HZ.
 PLEASE SPECIFY THE TYPE SET. DIMENSIONS AND
 PARTS OF THE POWER SUPPLIES MAY VARY WITH
 AVAILABILITY OF MATERIALS. 9 1/2 x 6 1/2 x 5 WT: 10 LB
 PRICES: KIT OF PARTS \$20.00 WIRED \$23.00

BC-652 RECEIVER POWER SUPPLY WITH SPEAKER
 SAME AS ABOVE; KIT \$20.00; WIRED \$23.95

BC-603/BC-683 RECEIVER P.S.
 DESIGNED TO BE PLUG IN-TO
 THE SAME PLACE AS THE DYNA-
 MOTOR WITH NO CONVERSION TO
 THE SET THAT WILL EFFECT
 THE OPERATION FROM THE
 DYNAMOTOR. ONLY WORK
 REQUIRED IS ADD ON/OFF
 SWITCH IN PLACE OF SPAR
 FUSE HOLDER. TRANSFORM-
 ER TYPE USING 5Y3GT TUB
 OUTPUT 220 VDC, 80 MA. & 24 VDC 2 A. WT: 5 LBS.
 PRICES: KIT OF PARTS \$14.00 WIRED \$18.00

PE-110D POWER SUPPLY FOR
 BC-669 TRANSMITTER-RECEI-
 VER. INPUT 115 VOLT 60 CYC.
 OUTPUT 520 VDC @ 420 MA.
 A 12 VDC VIBRATOR TYPE
 POWER PACK WITH AN OUT PUT OF 275 VDC @ 64
 MA THAT PLUGS INTO THE CHASSIS SERVES AS A
 RECEIVER STANDBY. INCLD. FOUR 5Z3 TUBES,
 RESET CIRCUIT BREAKERS, A.C. OUTLETS, AND
 POWER OUTPUT PLUGS.
 SIZE: 20 1/2 x 9 1/2 x 12; WT: 100 LBS. UNUSED \$30.00

RA-133 POWER SUPPLY: VOLTAGE
 REGULATED FOR BC-221, TS-175
 AND SIMILAR TYPE FREQ. METER
 INPUT 115/230 V. 50/60 CYCLE
 OUTPUT 125 VDC & 6.3 VAC.
 FITS IN BATTERY COMPARTMENT.
 SIZE: 8 1/2 x 7 x 4 1/2; WT: 10 LBS. USED \$24.95

POWER SUPPLY No. 7630019.
 OPERATES FROM 115 VOLT 60 CYCLE
 DUAL HIGH VOLTAGE OUTPUT 400 DC
 200 MA & 400 DC 200 MA. ALSO
 6.3 VAC 2.75 A. & 6.3 VAC 5.5 A
 WITH 2/5R4GY TUBES.
 SIZE: 10 x 7 x 15; WT:
 PRICE: \$19.95
 CABLE WITH 18 CONTACT PLUG TO FIT P.S \$2.00

POWER SUPPLY No. 7630020VR
 VOLTAGE REGULATED, OPERATES
 FROM 115 VOLT 60 CYCLE
 OUTPUT 200-250 DC. @ 150-
 250 MA. ALSO 6.3 VAC 2.75A
 & 6.3 VAC 5.5 TUBES
 2/6AS7G, 1/VR-105, 1/6AK7 &
 1/5R4G. WT: 30 LBS.
 SIZE: 11 1/2 x 10 1/2 x 6 \$18.95

CABLE WITH 18 CONTACT PLUG TO FIT POWER
 SUPPLY PLUG, 4 FOOT \$2.00

TRANSISTORIZED POWER SUPPLY
 INPUT 115 VOLT 60 CYCLE,
 OUTPUT 200 VDC 300 MA.
 SIZE: 5 1/2 x 4 1/2 x 5; 15 LBS.
 5820-805-3930 NEW \$22.95

REGULATED P.S.
 F/TS-147; 115V60CY, OUTPUT
 300/210VDC, 6.3VAC 1.7A. REQ.
 TUBES 5R4/6Y6/6SH7 & 2/0C3
 SIZE: 16x3x8; 10LBS. #PS-147
 PRICE: NO TUBES \$6 WITH \$9

MOTOROLA TA142 CONVERTER
 KIT; STEPS-DOWN VEHICULAR
 BATTERY VOLTAGE FOR 6 VDC
 MOBILE RADIO SETS. INPUT
 POWER 13.2 VDC @ 28.2
 AMPS WITH MAXIMUM LOAD.
 OUTPUT: 6.4 VDC @ 30 AMPS
 (MIN.) OR 5.9 VDC @ 50
 AMPS (MAX.) SIZE: 7 1/2 x 10 1/2 x 8 1/2 WT: 23 LBS.
 WITH SCHEMATIC. PRICE : UNUSED \$14.95

ROTARY SELENOID RELAY
4 WAFER
6 POLE
5 POSITI
48 VDC
3 1/2 x 1 1/2 x 1 1/2 .5945-710-4536 \$4.

TELEPHONE TYPE



RELAY 4PST NORMALLY OFF 12 VDC GR204-BC-966A 1 1/2 x 1 1/2 x 3 3/8 338C-557180-7435 \$1.00

6PST 50 VDC 3 A. COIL 250 OHMS 50 VDC 39 MA. OPERAT. 4 1/2 x 1 1/2 x 1 1/2; 4C8400-26 \$1.00

1PDT & 3PST 50 VDC 2 A. OPER. 46 VDC 38 MA 1200OHM 4 x 2 1/2 x 1 1/2; 4C7737-62 \$1.00

RELAY 200 VDC 135 MA, ONE COIL 110 OHM, OTHER 1200 OHM, CONTACTS 2PDT, 6PST-NO 1PDT-NC#5945-259-4275 \$1.

RELAY 150 VDC 150 MA. 1000 OHM COIL, CONTACTS 6PDT & 4PST-NO POTTER & BRUMFIELD 82-92-1005 BS-2202 \$1.00

115 VAC OPEN FRAME RELAY 3PCT 10 AMP. CONTACTS. 1 1/2 x 1 1/2 x 2 1/2. ALLIED LAC-3A #5545-225-8616 NEW \$4.95

SEALED RELAYS 24 VDC 3 A. CGNT. VARIOUS MFG. ROUND, OELONG OR SQUARE, WIRE OF PLUG-IN. SORRY NO CHOICE.

IPDT CWS571981 USED .35
1PDT #5703-34 " .40
2PDT #5709-7H " .45
3PDT #56467 " .50
4PDT #54428 " .55
6PST #56469 " .60

POTTER & BRUMFIELD 12 PIN PLUG-IN PLASTIC COVERED 12 VAC 2PST, SIZE 1 1/2 x 2 1/2 x 2 1/2 #82-70-5130 75¢



12 VDC RELAY, DPST, NORMALLY OPEN 67 OHMS, 2 x 3 1/2 x 1 1/2; # SW-182 USED 50¢

RELAY 6V D 41F 500S-SIL 1 1/2 x 1 1/2 x 1 1/2 \$1.50

PLATE RELAY 10,000 OHMS. CONTACTS 115 VAC @ 5 AMPS 1 1/2 x 1 1/2 x 1 1/2 #R3P-3189 \$1.50

FIVE ASSORTED RELAYS \$1.00

SUCH AS SEALED OPEN FRAME TELEPHONE ETC. MAY BE 6, 12 24 OR 48 VOLTS. \$1.00

INTERVAL TIMER ASSEMBLY RELAY TIME DELAY 5 MIN. RESET DELAY 100 SEC. MOTOR VOLTAGE 120V 400 CPS CLUTCH VOLTAGE 28 VDC. ALLIED CONTROL UNIT; 115V 400 CPS, CONT. 2A-29VDC AND 24V 4PDT RELAY. 5LBS. #SS 19180 \$2.95

WESTON SENSITROL RELAYS

MODELS 723 AND 705; 3 1/2" ROUND. USED \$4.95 EACH SPECIFY:

RANGE	MODEL
80% TO 120% VOLTS DC	723
90% TO 110% VDC	723
95% TO 105% VDC	723
110% TO 100% VOLTS AC	705
100% TO 90% VAC	705
.9 TO 1.1 MILLIAMPS	723

SILICON RECTIFIER

POWER TESTED AT 1 MA MAX. LEAKAGE

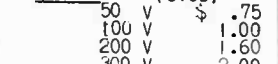
1 AMP (TOP HAT)	PRICE
50-200 PIV	.10
200-400 "	.15
400-600 "	.25
600-800 "	.35
800- "	.45
1000 "	.55

5 AMP (STUD)	PRICE
200-400 PIV	.50
400-600 "	.60
700 "	1.00
800 "	1.20
1000 "	1.75

INI347 6 AMP. 500 PVI (GOLD) 1.50

35 AMP (STUD)	PRICE
50 V	.75
100 V	1.00
200 V	1.60
300 V	2.00
400 V	2.25
500 V	2.50
600 V	3.00
900 V	4.00

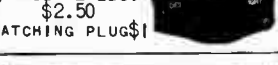
DIMMER CONTROL TYPE A-4 667498 150 OHM 50 WATT 2 1/2 MTG. HOLES, W/KNOB 2 LBS. \$2.50



MATCHING PLUG \$1

RHEOSTAT

OTHER VALUES IN STOCK WRITE FOR YOUR NEEDS



STK#	WATTS	OHMS	PRICE
24609	25	5	.50
750KK	25	75	.50
1352 (DUAL)	25	100	.50
501KK	25	500	.50

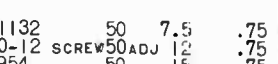
41132	50	7.5	.75
50-12 SCREW	50	12	.75
2954	50	15	.75
15822	50	17	.75
5895 (DUAL)	50	20	1.50
350-30 "	50	30	1.50

3124	50	35	.75
32229	50	60	.75
2066 w/sw	50	100	1.00
2533	50	150	.75
251KK	50	250	.75

RP3013A3	100	32	1.00
1-199	150	2500	2.95
6938	150	3	2.95
590KK	150	20	2.95
W1525	150	25	2.95
5370	150	3	2.95
D-150	150	350	2.95
5638	150	750	2.95
3301	300	300	4.95
RP-351	300	500	4.95

RHEOSTAT CONTROL UNIT FOR HEATED CLOTHING; 100 WATT 5.75 OHM RHEOSTAT MOUNTED IN CONTROL BOX WITH INDICATOR

KNOB ALSO ON/OFF SWITCH & DUAL LOCKING TYPE SOCKETS FOR INPUT AND CONTROLLED OUTPUT VOLTAGES. SIZE: 5x4x2; WT: 3 LBS. TYPE C-1C UNUSED \$2.95



BK-27A TELETYPE RELAY USED W/BD-100 SWITCHBOARD UNIT HAS 2 RELAYS 150 OHMS EACH W/IDIA CONTACTS THAT CAN BE ADJUSTED FROM INSIDE AND OUTSIDE OF THE BOX FOR EAST WEST TRANS. CONTROL NEW SIZE: 6x4x3 1/2; 4 LB. \$3.95

CRYSTALS

465 KC CRYSTAL, RESONATOR TYPE FILTER AS USED IN BC-794, BC-1004 ETC. \$1.50

200 KC CRYSTAL IN OCTAL TYPE TUBE HOLDER \$3.50

CRYSTALS: FT-241-243 21-39 MC. F/BC-604-684-620-659 NO CHOICE FREQ. 5 FOR \$1.00

JK-02 CRYSTAL OVEN FOR CR-26 CRYSTALS, OPERATES FROM 6.3-24.2 V. AC/DC, OCTAL BASE. MOTOROLA #251B1001 FOR ONE CRYSTAL AS USED IN R-394-257 RECEIVERS. \$1.95

MOTOROLA #251B1003 FOR TWO CRYSTALS AS USED IN T-278-2C8 ETC. TRANSMITTERS \$2.50

CRYSTAL DIODES IN-21C IN-32 \$1.00 EACH 6 FOR \$5.00

CRYSTAL HOLDERS WITH CRYSTAL NO CHOICE OF FREQUENCY CR-1A/FT-171/FT-249/FT-234/NAVY 40130B/40068/CR-26 PRICE: 59¢ EA. 2 FOR \$1.00

CIRCUIT BREAKER

AIRCRAFT BAT HANDLE TYPE LUMINOUS TIP 24 TO 30 VDC

8751K4	10 "	.50
AN-3160	15 "	.75
AN-3160	20 "	.75

AIRCRAFT PUSH BUTTON TYPE 24 TO 30 VDC

AN-3161	5	.75
AN-3161	10	.75
AN-3161	15	.75
AN-3161	35	.75
AN-3161	50	.75

3H900-35-6 14.6 VDC 35 AMPS SIZE 3 1/2 x 2 1/2 x 1 1/2 \$1.50

350-0980 28 VDC 15 AMP SIZE 3 1/2 x 2 1/2 x 1 1/2 \$1.00

HEINEMANN 1-132 24 VDC 2 AMP. 3 1/2 x 2 1/2 x 1 1/2 \$1.00

115 V. 60 CYC SIZE 2 1/2 x 2 1/2 x 2 1/2 CAT# AM12HK 1.5 AMP \$1.00

" AM12RSK 20.0 " 1.00

115 V. 60 CYC SIZE 3 1/2 x 1 1/2 x 2 1/2 3H900-1.5.1 1 AMP \$1.00

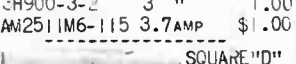
3H900-1.25 1 1/2 " 1.00

3H900-3.2 3 " 1.00

AM2511M6-115 3.7AMP \$1.00

SQUARE "D" CIRCUIT BREAKER TYPE MO-4 "PLUG-IN"

OR CAN BE MODIFIED FOR DIRECT WIRING. FOUR (4) 20 A. CIRCUITS 115 VOLT 60 CYCLE SIZE: 4 1/2 x 2 1/2 x 2 1/2; WT: 8 OZ. CAT# M048222 PRICE: \$1.95



MANUALS

\$3.00 EACH \$5.00 EACH

BC-191 BC-312-BC-342
BC-375 BC-603-BC-604
PP-867-868 BC-652-BC-653
869 BC-683-BC-684
PP-281-282 BC-659
494 BC-1000
PP-846 BC-1335
TCS-12 \$12 PP-804
PP-109-112 PE-75
PRS-3 PRS-3

BC-669/110 1-49
BC-1306/237 1-72G-H-1-K
PP-351 1-129B
PP-638 1-208
PE-95 TS-352
R-48/T-30 BC-221AH ONLY
T-14/R-19 HALLICRAFTERS
TS-175 S-20R SX-28
BC-221/211 NATIONAL
BC-610 NC-100 HRO
BC-779 HALLICRAF S36

EE-94 & 95 CONTAINS TG-34
RD-60-V0-3-BD-114 ETC \$7.50

FGG-20 & 21 CONTAINS TT-98
TT-99-TT-100 & PP-978 \$10

MOTOROLA FST-250, FMR-13,
FMT-25A, P-8028, FMT-30 \$7.50

ARN-6 REVISED SOME PAGES MISSING, WITH ALL SCHEMATICS, R-101 & ASSOC. EQ. \$5

SCHEMATICS \$1.00 EACH

BC# SERIES 923/924/603/604/
652/653/624/625/224/348/
659/620/645/669/733/745/
778/779/683/684/929/1206/
1306/1016/

"R" SERIES 48/77/122/320/
28/316/257/394/105
T-23/T-67/RT-91/RT-58/RT-7,
SCR-625/PE-237/PE-110/TBY/
RAX-1, 2 OR 3/ARB/FMR-13/
ARR-2/TCS-REC OR TRANS/
ART-13/MN-26/
COMMAND SERIES 274 OR ARC5

OTHER MANUALS & SCHEMATICS AVAILABLE, TELL US YOUR REQ

ARRL BOOKS

HOW TO BECOME A RADIO AMATEUR \$1.00

COURSE IN RADIO FUNDAMENTALS \$2.00

LEARNING THE RADIO RADIOTELEGRAPH \$.50

AMATEUR'S LICENSE MANUAL \$1.00

OPERATING AN AMATEUR RADIO STATION \$.25

UNDERSTANDING AMATEUR RADIO \$2.50

AMATEUR'S V.H.F. MANUAL \$2.50

FM AND REPEATERS FOR THE AMATEUR \$3.00

RADIO AMATEUR'S 75 HANDBOOK \$5.50

SINGLE SIDEBAND \$3.00

HINTS AND KINKS \$1.00

ARRL ANTENNA BOOK \$2.50

SURPLUS BOOKS

SURPLUS RADIO CONVERSION MANUAL VOL. NO. 4 \$3.50

SURPLUS RADIO CONVERSION MANUAL VOL. NO. 3 \$3.50

SURPLUS CONVERSION HANDBOOK INCL. COMMAND SETS CQ \$4.50

THE SURPLUS HANDBOOK \$3.50 VOL. 1 RECEIVERS-TRANSMITTERS

CQ ANTHOLOGY 11 52-59 \$3.00

RTTY FROM A TO Z \$5.00
NEW RTTY HANDBOOK \$3.95

MANUALS

ABBREVIATIONS, H.M. HAND-BOOK OF MAINTENANCE INSTRUCTIONS/O.I. OPERATING INSTRUCTIONS/N.S. NO SCHEMATICS/ I.B. INSTRUCTION BOOK/W.S. WITH SCHEMATICS.

ARC-27/ARC-55 O.I./N.S. \$3.00
ARC-44 I.B./W.S. \$10.00
ARC-60 I.B./W.S. \$8.50
ARN-12 I.B./W.S. 5.00
ARN-30 O.I./N.S. 3.00
ARN-59 O.I./N.S. 3.00

ART-13 REPRODUCTION WITH SCHEMATICS & OPERATING TRANS. & ASSOC. EQ. \$8.50

FRR-36 I.B./W.S. 8.50
W/R-394/PP-846

GRC-3-8 I.B./W.S. 8.50
GRC-9 I.B./W.S. 8.50
GRC-19 I.B./W.S. 8.50
GRC-26 I.B./W.S. 8.50
GRR-5 I.B./W.S. 7.50
PRC-6 I.B./W.S. 7.50
PRC-8-9-10 I.B./W.S. 7.50
VRC-19 I.B./W.S. 8.50

W/R-394/T-278/DY-93
98-100/PP-867-8-9

RT-67-68-69 I.B./W.S. \$5.00
RT-70 I.B./W.S. 5.00
R-108-109-110 " 7.50

R-274 I.B./W.S. 10.00
H-390 I.B./W.S. 12.00
R-392 I.B./W.S. 10.00
R-394 I.B./W.S. 7.50
R-140 I.B./W.S. 7.50
R-257 I.B./W.S. 7.50
T-278 I.B./W.S. 7.50
T-368 I.B./W.S. 8.50
T-208-417 I.B./W.S. 8.50
DY-93-98-100 " 3.00

ARC TYPE 12 RADIO SET COVERS R-10-11-15-19
T-11-13 & ACCESSORIES SIMILAR R-508-509-R-22 AND OTHERS. H.M.I./W.S.

CV-431/R-508 ARC-60 8.50
R-13B/B-10A ARN-30 8.50

R-520 RECEIVER \$ 8.50
R-220 RECEIVER 8.50
SPN-11 RADAR SET 8.50
TPS-1 RADAR SET 15.00
TV-7/U TUBE CHECKER 7.50
TG-34 KEYS 7.50
FR-5/URM-80 TEST SET 8.50
TS-172 TEST SET 8.50
TS-148/UPM-33 " 8.50
AN/URC-14 RADIO SET 7.50
GRC-10 " 8.50
CV-278 OPERATORS MAN. 5.00
GSA-7 " 5.00
ME-26 MULTIMETER 8.50
GRC-39/40/87 OPERATORS MANUAL 8.50

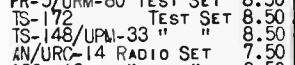
ANTENNA CHANGE-OVER RELAY 6 V.D.C. SWITCHES BCN TO SUB-MINIATURE COAX. SPDT. 2 1/2 x 1 1/2 x 1 1/2; 4 OZ. #3380-511125-1125 \$2.95

ARC-12 ANTENNA CHANGEOVER RELAY BNC CONNECTORS FOR EQUIP. UG-23-UG-21 F/ANT. REGULAR & AUX ANT. CONN. 24 VDC RELAY. W/BNC CABLES. \$2.75

UG-21 ANTENNA CONN. \$.75

ANTENNA CHANGE-OVER RELAY, 6-24 VDC 16 OHM COIL, RE-MOVED FROM EQUIPMENT PRICE: WITH 2/UG-88 \$1.25 LESS " " .75

FIRE DETECTOR PHOTOELECTRIC RESISTANCE TYPE 1.5 MEG. MAX DECREASES WITH INTENSITY OF LIGHT. #6340-651-6213 SIZE 1 1/2 x 3 \$2.95



ART-13 TRANSMITTER

100 WATT AIRCRAFT AUTOTUNE TRANSMITTER

MAKES A VERY SATISFACTORY AMATEUR UNIT FOR 80, 40, 20 AND 10 METERS. THE AUTOTUNE FEATURE PERMITS YOU TO PRESET THE FREQUENCY DESIRED ON ANY 10 PRESELECTED CHANNELS. (FOR CONVERSION INSTRUCTIONS SEE MANUALS #2 & #3 \$3.50 EA. TUBE LINEUP 1/837, 1/813, 2/1625, 1/12SJ7, 2/6V6, 2/811, 2/12SL7, 1/12SA7. VOLTAGE REQUIRED 28VDC 10AMP, 400VDC, 225MA & 1250VDC 250MA. SIZE: 23x16x11 1/2 WT. 70LBS

PRICE: USED WITH TUBES \$39.50
CONNECTOR PLUGS FOR TRANS. U-7 & U-8 \$2.50 EA.
DYNAMOTOR FOR ART-13 WITH FILTERS & RELAYS 28VDC INPUT. PRICE: USED \$12.95

NEW
CONNECTOR PLUGS FOR DYNAMOTOR U-9 OR U-10 EACH \$2.50
CU-24/ART-13 ANTENNA SHUNT CAPACITOR CONSISTS OF 3 CAPACITORS 25MMF 10KV
PRICE USED \$1.00

0-17/ART-13 LOW FREQUENCY OSCILLATOR PLUGS INTO THE FRONT OF THE TRANSMITTER AND COVERS THE FREQ. RANGE OF 20C TO 600 KC IN 3 BANDS WITH VFO AND CRYSTAL CONTROL ON THREE PRESELECTED FREQ. COMPLETE WITH ONE 1625 TUBE. ALL OPERATING VOLTAGES ARE OBTAINED FROM THE TRANS. POWER SUPPLY. SIZE 5 1/2x5 1/2x9; WT 4LBS.

PRICE: USED \$7.50 UNUSED \$9.95

SA-22/ART-13 ANTENNA SWITCHING UNIT CONTAINS A BENDIX VACUUM RELAY LM-26G, 24VDC, 2 POSITION CERAMIC SWITCH & 4 LARGE INSULATORS SAME AS USED ON TRANSMITTER, ALSO SO-239 COAX. CONNECTOR. SIZE: 11x7x7 WT 10LBS

PRICE: NEW \$4.95

VARIOMETER COIL FOR ART-13 No. L112 ROTOR AND STATOR COILS WITH GEARED COUPLING. 4 1/2x5x3; 2LB. USED \$3.95

RELAY OUTPUT CIRCUIT SELECTOR F/ART-13 No. K105 IPDT, IPNO & IPNC, MYCALEX INS. 18-32 VDC. 6x2x3; 2LB. USED \$2

ART-13 AUDIO SPEECH AMPLIFIER CONTAINS TWO 6V6GT & ONE 12SJ7 TUBES, CAN BE USED FOR CARBON OR DYNAMIC MIC. SIZE: 7x4 1/2x3 1/2; WT: 4LBS. USED STK #2C254 PRICE \$5.95

ART-13 CRYSTAL CALIBRATOR AND MCW OSCILLATOR UNIT; PROVIDES STABLE 50 KC FUNDAMENTAL FREQ. UTILIZING A 200 KC. CRYSTAL THAT IS USED TO CHECK THE CARRIER FREQ OF THE TRANS. OSC. A 1000 CYC. TONE IS ALSO PROVIDED FOR MCW OPERATION. WITH 2/12SL7, 1/12SA7 TUBES AND 200 KC. CRYSTAL. SIZE: 6x5x3; WT: 4 LBS. RE-MOVED \$9.95

ART-13 KEYING RELAY & VACUUM SWITCH; THREE S.P.S.T., CONTACTS NORMALLY OPEN; ONE S.P.S.T., CONTACTS NORMALLY CLOSED; TWO S.P.D.T. AND ONE S.P.D.T. VACUUM SWITCH COIL VOLTAGE 28 VDC RESISTANCE 2 COILS 27 OHMS IN SERIES, CONTACTS RATED 28 VOLTS 8 AMPS. CONT. NON-INDUCTIVE LOAD WITH VACUUM SWITCH. SIZE: 3x4x5; 2 LBS. #K-102/S-116 STK #27595-7 RE-MOVED \$9.95 S-116 VACUUM SWITCH ONLY \$2.00

OSCILLATOR UNIT

CDA-T CRYSTAL OSCILLATOR UNIT FOR ART-13B TRANSMITTER; USED TO CONVERT TO CRYSTAL CONTROL FOUR CHANNELS ON LOW FREQ. 300-500 KC. CRYSTAL SOCKET SIZE 5/32 DIA. 13/16x1/2 RECTANGULAR SELECTED FROM THIS UNIT. 10 CHANNEL CRYSTAL CONTROL FROM 160 TO 18000 KC SELECTED FROM TRANS. CRY. SOC. SIZE 3/64" DIA PINS SPACED 1/8" C-C. W/TUBES 1625 & 6AQ5 ALSO 10/24VDC RELAYS, PLUGS INTO FRONT, DOES NOT EFFECT OPERATION OF VFO HIGH BAND. WT: 6 LBS. SIZE 5 1/2x5 1/2x9. USED \$9.95 CONNECTORS \$1EA 2REQ.

COLLINS 618S-1 TRANSCIEVER 2 TO 25 MHZ, AM AND CW. 100 WATTS ON TRANSMITTER, CRYSTAL CONTROL 144 CHAN. USING CR-18/U CRYSTAL HOLDER. SAME CRYSTAL USED FOR RECEIVER AND TRANSMITTER. CROSSBAND OPERATION POSSIBLE BY CHANGING FREQUENCY SELECTOR PLUG-IN MODULES ARE USED IN BOTH THE REC. AND TRANS. WITH TUBES 3/5654, 2/5781, 4/5686, 8/5749, 3/5726, 4/5750, 2/5814, 5/6159 AND 0A2. ALSO 8/1N98 AND ONE 1N458 GERMANIUM CRYSTALS. THE POWER WAS NORMALLY SUPPLIED FROM 28 VDC DYNAMOTOR AND 115 VOLT 400 HZ. HOWEVER, 60 HZ OPERATION IS POSSIBLE WITH 600 VDC, 250VDC, -50 VDC, -65 VDC AND 6.3 VAC 115 V. 400 HZ FOR THE SELSYN THAT IS MOUNTED TO THE P.A. INDUCTOR COIL. SIZE: 15 1/2x8x23 1/2; WT: 60 LBS. PRICE: USED \$65.

TRANSCIEVER R.F. TUNER FOR COLLINS 618S-1. THIS SUBASSY. CONTAINS 1ST & 2ND R.F. AMP, 1ST & 2ND REC. MIXER, 1ST & 2ND TRANS. MIXER, I.F. AMP. DISCRIMINATOR, MULTIPLIER AND 2 DRIVER CIRCUITS. WITH TUBES 2/5654, 3/5749, 4/5750 & 2/5686. TUNING IS DONE BY THE SLUGS MOVING IN AND OUT OF THE COILS, FREQ. RANGE 2-25 MC SIZE: 8x7x6 1/2; WT: 10 LBS. #5821-547-5718/618S PRICE: USED \$14.95

MODULATOR FOR COLLINS 618S-1 AUDIO DRIVE AND MODULATOR USES 2/6159, 1/5751, 1/5814 & 1/5726 TUBES. MODULATION TRANSFORMER INPUT 5500 OHM 300 V RMS, OUTPUT 4&5 2000 OHM 3000 V RMS 6&7 200 OHM 750 V RMS. MODULATION TRANSFORMER IS NOT PART OF THIS SUB-ASSEMBLY. SIZE: 4 1/2x3x6; WT: 4 LBS. #5821-505-3599/618S-1 PRICE: USED \$7.95

POWER AMPLIFIER 618S-1 COLLINS TRANSMITTER WITH VARIABLE INDUCTOR COIL 12.8 FT. #14 WIRE 27 TURNS, APPROX. 100 WATTS FOR 2 TO 25 MC. COIL IS ROTATED BY 115 V. 400 CYC SELSYN CONT. MOTOR, USES 3/6159 TUBES ALSO LARGE CERAMIC ROTARY SW. COILS, CHOKES ETC. SIZE: 11x5x6; WT: 10 LBS #5821-547-3496/618S-1 PRICE: LESS TUBES \$14.95 WITH TUBES \$18.50 SCHEMATICS FOR 618S SUB-ASSEMBLIES EACH \$1.00 MATING CONNECTORS " " " EACH \$1.50

AUTO ALARM RECEIVER

AUTO ALARM RECEIVER AR-8600X FOR 500 KC DISTRESS FREQUENCY. THE INTERNATIONAL AUTO ALARM SIGNAL CONSISTS OF A SERIES OF DASH ES FOUR SECONDS IN LENGTH, SEPARATED BY SPACES HAVING A DURATION OF ONE SECOND. WHEN THE CORRECT SIGNAL IS RECEIVED IT WILL ACTUATE THE WARNING BELL. THIS RECEIVER-SELECTOR WAS DESIGNED FOR SHIPBOARD USE AND REQUIRES 115 VDC 1.5 AMPS. FOR THE PLATE, SCREEN, FILAMENT VOLTAGE ALSO 6 VDC FOR THE BELL AND RELAY, MAX. 3 AMP. WITH TUBES 2/6K7, 1/6H6, 1/6A8 & 5/1611. W/ALARM BELL SIZE: 26x14x11; SHGP. WT: 100 LBS. MANUAL \$7.50 PRICES: SERVICEABLE; USED \$50.00 UNUSED \$75.00

RECEIVER 225 TO 400 MHz

AN/URR-35 RECEIVER, 225 TO 400 MHZ CONTINUOUSLY TUNEABLE ON ONE BAND. RECEIVES AM VOICE, CW OR TONE. DUAL CONVERSION TYPE WITH FIRST IF 18.6 MHZ, SECOND IF 1.775 MHZ. PROVISIONS FOR PAN-ADAPTOR WITH 600 KHZ BANDWIDTH. INPUT IMPEDANCE 51 OHMS; AUDIO 60 MW INTO 600 OHMS OR 600 MW INTO 60 OHMS. SUITABLE FOR BENCH OR RACK MOUNTING. POWER REQUIRED: 115 VAC 60 HZ. SIZE: 8 1/2x17 1/2x19 1/2; WT: 65 LBS. PRICE: USED, REPARABLE \$75.00 CHECKED \$95.

APR-4 RECEIVER

R-444/APR-4Y RECEIVER AND CV-253/ALR TUNING UNIT FOUR BAND TO COVER THE FREQUENCY OF 38 TO 1000 MC. USED IN AIRCRAFT AS SEARCH EQUIP. TO DETECT ELECTROMAGNETIC RADIATION, THE FREQ. OF SIGNALS, RELATIVE FIELD STRENGTH AND AUDIO OUTPUT. SELECTOR PERMITS CHOICE OF AM NARROW/WID OR FM. ALSO IF ATTN. SELECTOR, MET. SW., RANGE SELECTOR, SWEEP CONTROL & TUNING KNOB. METER 2 1/2" FOR TUNING. ORIGINALLY DESIGNED FOR 115 V 400 CYCLE POWER SOURCE UNITS ARE AVAILABLE FOR 115 VOLT 60 CYCLE. ALSO REQUIRED IS 24 VDC FOR PILOT LIGHTS AND SCANNING MOTOR WHEN TUNING UNITS WITH MOTORS ARE USED. REC. USED SIZE: 8x10 1/2x12 1/2; WT: REC. ONLY 33 LBS. TU. 20LBS PRICE: REC. ONLY \$95.00

ANY OF THE TUNING UNITS LISTED BELOW CAN BE USED WITH THE R-444/APR-4Y OR R-54/APR-4 WE WILL SHIP WHICHEVER RECEIVER IS AVAILABLE. R-54/APR-4 RECEIVER SAME AS ABOVE ONLY DIFF. POWER REQ. 115 VOLT 60 TO 2600 CYCLE & 24 VDC SAME PRICE AND TUNING UNITS CAN BE USED.

CONVERTER TUNING UNITS FOR USE WITH 30 MC. I.F. NO POWER SUPPLIES REQUIRE 300 VDC, CASE MAY BE. SIZE: 9x7x15; 25 LBS. AI	
TN-16/APR-4 TUNING UNIT	38-95 MC \$30.00
TN-17 " " "	74-320 " 40.00
TN-18 " " "	300-1000 " 45.00
TN-19 " " "	975-2200 " 40.00
TN-1/APR-1 " " "	38-95 " 25.00
TN-2/APR-1 " " "	76-300 " 30.00
POWER PLUG FOR REC. \$1.50 SHOCKMOUNT \$2.50	

RECEIVERS 50 TO 600 MHZ

R-417 TRC FM RECEIVER 50 TO 600 MHZ POSSIBLE WITH THE USE OF THE APPROPRIATE AMPLIFIER-CONVERTER PLUG-INS LISTED BELOW. BASE-BAND FREQUENCY 250 TO 68,000 HZ; INTERMEDIATE FREQUENCY 30 MHZ. AUTOMATIC FREQUENCY CONTROL; AUTOMATIC OR MANUAL GAIN CONTROL. INPUT IMPEDANCE 52 OHMS; OUTPUT IMPED: 600 OR 135 OHMS (BALANCE TO GROUND). WITH TUBES: 10/5654, 10/5670, 5751, 5726, 6AV6, AND 6AN5. PROVISION FOR BAND-PASS FILTER (NOT AVAILABLE) ON FRONT. POWER REQUIRED: 115 VAC 50/60 HZ. SIZE: 18x14x14 WT: 75 LBS. PRICE: USED, NOT CHECKED-COMPLETE, LESS PLUG-IN UNITS \$95.00

AMPLIFIER-CONVERTERS PLUG-IN UNITS USED WITH R-417 RECEIVER. OUTPUT IS TO 30 MHZ. CONTINUOUS TUNING OF R.F. AND OSCILLATOR. USED, COMPLETE. SIZE: 7 1/2x6 1/2x9 1/2; WT: 10 LBS.
AM-1179 50-100 MHZ, 5654 5670, 6J4 \$39.50
AM-914 225-400 MHZ, 4/6J4 5670 34.95
AM-1177 400-600 MHZ 2/5768, 6AF4, 6AN4 44.50

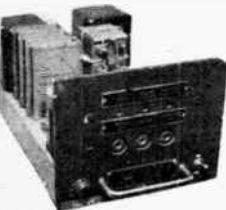
BAND PASS FILTER PLUG-INS DESIGNED FOR USE IN THE R-417/TRC RECEIVER. EACH FIT INTO THE RECEIVER'S FRONT AND COVER A SPECIFIC FREQUENCY RANGE. PLEASE INDICATE TYPE # AND FREQ. WHEN ORDERING. WT: 5 LBS. PRICE RE-NEW \$9.95

F-194	142-163 MHz	F-239/U	58.5-67 MHz
F-197/U	205-226 MHz	F-240/U	67-76 MHz
F-199/U	224-254 MHz	F-241/U	75-84 MHz
F-195	163-184 MHz	F-242/U	84-92.5 MHz
F-238/U	50-58.5 MHz	WRITE ABOUT OTHERS	

AMPLIFIER-MULTIPLIERS USED AS PLUG-IN UNITS FOR THE T-302 TRANSMITTER, COMPANION TO THE R-417. UNITS COVER FREQUENCIES FM FROM 50 TO 600 MHZ, 120 WATTS. 12x6x14 40 LBS. USED-COMPLETE
AM-1180/GRC 50-100 MHZ, 4X150A TUBE \$49.50
AM-915/TRC 225-400 MHZ, 2/4X150A 49.95
AM-1178/GRC 400-600 MHZ, 2/4X150A 54.50

AUDIO AMPLIFIER

AM-854/U AUDIO FREQUENCY AMPLIFIER IS A PEAK-LIMITING UNIT FOR AM AND FM BROADCAST OPERATIONS. MAY ALSO BE USED IN RECORDING AND SOUND SYSTEMS REQUIRING AUTOMATIC REGULATION OF PROGRAM LEVEL. INPUT AND OUTPUT IMPEDANCE BOTH 600 OHMS CT. GAIN: 36 DB (MAX.) POWER OUTPUT: 6 MW INTO 600 OHMS. DISTORTION: LESS THAN 2% @ 400, 1000 & 5000 HZ. SPEED OF AUTOMATIC GAIN REDUCTION: 0.05 SECONDS; RECOVERY TIME: 2 SEC. NOISE LEVEL: 40 DB BELOW 6 MW. FREQ. RESPONSE: FLAT WITHIN 1 DB FROM 100 TO 5000 HZ. WITH TUBES 2/6SK7, 6SG7, 6SN7, 5Y3. RACKMOUNT. POWER REQUIRED: 115/220 VAC 50-60 HZ. SIZE: 7x8 1/2 x19; WT: 30 LBS. PRICE: RE-COND. \$24.95



AM-447 AUDIO FREQUENCY AMPLIFIER, VOLUME LIMITING TYPE, INSURES UNIFORM OUTPUT UNDER CONDITIONS WHERE THE RECEIVED SIGNAL LEVEL MAY VARY IN AMPLITUDE, ELIMINATING THE NEED FOR CONSTANTLY READJUSTING THE OUTPUT LEVEL. IT IS INTENDED TO BE USED RECEIVING EQUIPMENT, LINE AMPLIFIER OR

AMPLIFY THE OUTPUT OF A MICROPHONE FOR MODULATING TRANSMITTING EQUIPMENT. INPUT IMPEDANCE 600 OHMS, OUTPUT IMPEDANCE 200 AND 600 OHMS, AUDIO INPUT: -10 DBM TO -10 DBM, FREQ. RESPONSE FLAT WITHIN 2 DB FROM 300 TO 3500 CPS.. GAIN: 34.8 DBM MAX. AUDIO OUTPUT 3 WATT HAS INPUT, OUTPUT AND PHONE JACKS ALSO VOLUME CONTROLS. WITH TUBES
POWER REQUIRED 115 VOLT 50/60 CYCLE.
SIZE: 7x12x14; (NO COVER WITH UNIT) WT: 23 LBS
PRICES: USED SERVICEABLE \$8.95 TWO FOR \$15.00



AM-489/TP ELECTRONIC CONTROL AMPLIFIER FOR SERVO SYSTEMS. USED TO AMPLIFY THE ERROR VOLTAGE IN SYNCHRO CONTROL SYSTEMS, AMPLIFIED ERROR VOLTAGE IS THEN USED TO CONTROL THE ASSOCIATED SERVO MOTOR. P/O RD-54 RECORDER POWER REQ. 115 V. 60 CYCLE. WITH TUBES 1/5Y3GT, 2/6V6GT, 2/6SL7GT, 1/6SN7GT. (NO COVER)
SIZE: 10x11x19; WT: 25 LBS. PRICE: USED, \$14.95

AMPLIFIERS

AM-142/AIC AMPLIFIER USED \$3.95
AM-26/AIC AMPLIFIER USED 4.95
NAVY TCS AMPLIFIER UNUSED 7.95
MD-2 SERVO AMPLIFIERS VARIOUS NO. USED 2.95

EE-89 TELEPHONE REPEATER AMPLIFIER 4.95
GSC-T1 CODE TRAINING KEY AMPLIFIER SET \$16.95
TAPE PULLERS FOR CODE TAPES MX NO. \$14.95
J-45 TELEGRAPH KEY W/LEG BAND J-37 KEYS 5.00
BC1323 AUDIO AMPLIFIER 3 CHANNEL \$6.95
1C/VRV-7 WIRE RECORDER (NO AMPLIFIER) \$9.95
C-974/FRR-33 SELECTOR CONTROL F/R-390 \$24.95
C-975/UHR RECEIVER CONTROL F/R-390 \$24.95
TG-30 TELEGRAPH REPEATER OR TG-31 \$24.95
AIRSPEED INDICATOR ID-168B/APA-44 \$9.95

RADIOSONDE

AN/AMT-2 RADIOSONDE, 403 MC FM. A SINGLE PACKAGE INSTRUMENT WHICH CARRIED BY A FREE BALOON, IS USED TO TRANSMIT METEOROLOGICAL INFORMATION TO A GROUND STATION. THE FREQUENCY MODULATION IS CONTROLLED BY A SENSOR MECHANISM CONTAINING ELEMENTS CONTROLLED BY PRESSURE, TEMPERATURE AND HUMIDITY TOGETHER WITH A COMMUTATOR ARRANGEMENT WHICH SETS UP A SEQUENCE OF SIGNALS. USES 2 TUBES AND REQUIRES 1.5, 6 & 115 VDC FOR OPERATION. W/TUBES, LESS BATT. SIZE: 4x6x6 1/2 WT: 1 1/2 LB. PRICE: \$5.00

T-69F/AMT-2 RADIOSONDE TRANSMITTER ONLY. F-2 EMIS- sion (FM) 390 TO 410 MC RANGE WITH TUBES 5703 AND 5910. REQUIRES BB-208 DRY CELL-BATTERIES (SOLD SEPARATE). SIZE: 6x5x2 1/2 WT: 2 LBS. \$1.50
BB-208 DRY CELL BATTERY SET WT: 1 LB. \$5.99



NAVY TCS TRANSMITTER 1.5-12 MHZ A.M. 3 BANDS, 40 WATTS CW 20 WATTS PHONE, VFO, 4 CRYSTAL CONTROL PRE-SELECTED CHANNELS WITH TUBES 3/12A6 & 4/1625. VOLTAGES REQ. 12 VDC & 400 TO 440 VDC @ 200 MA.

SIZE: 11 1/2 x 11 1/2 x 13 1/2; WT: 4 LBS. PRICES: USED REPARABLE \$34.50 CHECKED \$44.50

NAVY TCS RECEIVER 1.5 TO 12 MHZ. A.M. IN 3 BANDS, CRYSTAL CONTROL ON 4 PRESET FREQ. IN THE FREQ. RANGE. CONTINUOUS TUNING OVER THE ENTIRE FREQ. RANGE. AUDIO OUTPUT 1.5 INTO A 500 OHM LOAD. WITH TUBES 3/12SK7, 1/12SA7, 1/12SQ7, 2/12A6. (VOLTAGES REQ. SIZE: 11 1/2 x 11 1/2 x 13 1/2; 37 LBS. 12VDC/220VDC/100MA PRICES: USED REPARABLE \$44.95 CHECKED \$54.95



TCS ACCESSORIES
REMOTE CONTROL BOX WITH SPEAKER USED \$9.95
TRANS. ANT. LOADING UNIT USED 14.95
DYNAMOTOR P.S. F/REC & TRANS. 12V 14.95
REC. TO P.S. CABLE 2.75
TRANS. TO P.S. CABLE 2.75
CONTROL BOX TO P.S. CABLE 4.95
CONNECTOR PLUGS FOR ANY OF UNITS, EACH 2.00
MOUNTING BASE W/ SHOCK MOUNTS 4.75
SHOCK MOUNTS ONLY EACH 4.75
NOISE LIMITER CONVERSION KIT F/REC 3.00
AC POWER SUPPLY 115 VOLT 60 HZ TRANS. 40.00
REC. ONLY W/SPEAKER \$25. REC. & TRANS. 55.00
FOR MORE INFORMATION PLEASE WRITE

RECEIVERS & TRANSMITTERS

LINK REC-TRANS. #5FRX 30-40 MHZ FM U. \$29.50
LINK RECEIVER #1905 152-172 MHZ FM U. \$24.95
LINK RECEIVER #11UFED6 30-50 " " U. \$24.95
LINK RECEIVER #BC-499 20-28 " " N. \$18.95
R-127 REC. 2 CHANNEL 162-174 " " U. \$14.95
R-114 REC. 190-510KHZ/1.7-8.7" AM N. \$24.95

MAB NAVY REC-TRANS. 2.3-4.5 MHZ AM U \$9.95
DAV " " 2.3-4.5 " " U \$12.95

T-193 TRANS. 30-40 MHZ FM 40 WATT UN \$14.95

BUDELMAN 142BW RECEIVER 840-940 MHZ \$100.00
R-89/ARN-5 RECEIVER GLIDE PATH 332-335 9.95
R-430/ARN-5 " " " " " \$12.95
R-122/ARN-12 " 75 MHZ \$9.95
R-65/APN-9 LORAN RECEIVER \$65.00
R-322/ARN-18 RECEIVER \$24.95
ARR-46 RECEIVER 24 TO 51.9 MHZ. \$65.00
COMCO MODEL 278 TRANS.-REC. 275 MHZ \$30.00
RT-91/ARC-2 TRANS.-REC. 2-9.5 MHZ. \$50.00
T-95/CRT-2 ROCKET TRANS. 1330-1850 KHZ \$24.95
T-30/TRC-8 TRANSMITTER 230-250 MHZ \$25.00
TA-188B TRANS. 118-135.9 MHZ A.M. \$59.50

VISUAL FLASH LAMP

IDENTIFICATION FLASH EQUIPMENT, USED BY GROUND FORCES TO SIGNAL POSITION TO AIRCRAFT OR OTHER GROUND UNITS, BY A EXTREMELY BRIGHT FLASH OF LIGHT THAT CAN COME FROM THE AIR BY APPROX. 3 MILES AND GROUND, DEPENDING ON TERRAIN 1 MILE OR MORE. POWER REQ. 12/24 VOLTS D.C. UNIT COMES WITH 2/12X3 TUBES, SYLVANIA FLASH LAMP 1073, WITH HOLDER & 20 FT. CABLE & 15 FT. BATTERY CABLE ETC. FLASH RATE 1 PER 1 1/2 SEC. SIZE: 17x10x4 1/2; WT: 50 LBS. PRICE: USED CHECKED W/MANUAL \$29.95



SYLVANIA FLASH LAMP WITH PORTABLE HOLDER AND LAMP SOCKET, SWITCH, IGNITION COIL & 20 FOOT 4 COND. CABLE. WT: 5 LBS. \$10.00



RT-35/AM RADIOSONDE TRANSMITTER-RECEIVER 675 TO 725 MC, USED FOR WEATHER AND RADAR OBSERVATION WITH 4/1L4 & 1/2C35 TUBES. VOLGATE REQ. 90 VDC & 1 1/2 VDC SIZE 3 1/2 x 4 1/2 x 10; WT: 5 LBS. PRICE: NEW \$3.95

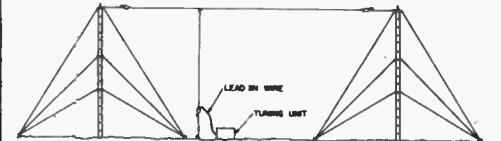


I-196 SIGNAL GENERATOR 160 TO 220 MC, USED TO CHECK IFF SETS WITH ONE 957 TUBE, VARIABLE FREQUENCY AND TONE, PILOT IND. ON/OFF SWITCH. DRY BATTERIES 1 1/2 & 135 VDC. RFQ. HOUSED IN WOOD CASE WITH CANVAS COVER. SIZE: 8x8x14; 10 LBS. PRICE: USED \$3.95

DIGITAL DISPLAY



DIGITAL DISPLAY: EACH UNIT WILL SHOW NUMBERS 0 TO 9 ALSO \$ SIGN 3-3/16" HIGH ON 3 1/4 x 4 SCREEN THAT CAN BE SEEN FOR QUITE A DISTANCE. OPERATES FROM 6.3 VAC. CAN BE ADAPTED FOR BASKETBALL FOUL INDICATOR BY PLACING ONE OVER EACH SCOREBOARD AND HAVE A CONTROL PANEL CONSISTING OF 5 SWITCHES AND TRANSFORMER AT THE SCORER'S TABLE. (WIRING DIAGRAM FURNISHED ON REQUEST) CAN ALSO BE ADAPTED FOR USE AS A MOVING READOUT BOARD. SIZE: 3 1/2 x 5 1/2 x 11 1/2; WT: 7 LBS. PRICE: USED \$5.95 EACH 2 FOR \$10.00



AN/GRA-4 PORTABLE HALF WAVE ANTENNA: DESIGNED FOR TRANSMITTING UP TO 100 WATTS AND RECEIVING IN THE 1.5 TO 18 MHZ RANGE. VERTICAL OR VARIOUS TYPES OF HORIZONTAL ANTENNAS CAN BE ASSEMBLED. (ORDER THE INDIVIDUAL PARTS YOU NEED TO MAKE THE TYPE ANTENNA YOU WANT)

AB-85 MAST SECTION, ALUM. 3" 1-5/8" DIA. WITH ONE END SMALLER SO IT SLIPS OVER PRECEDING SECTION. WT: 2 1/2 LB \$1.50
MX-1116 FRAME USED TO CARRY 16 AB-85 SECTIONS W/CARRING STRAPS EA. END & STORAGE SPACE INSIDE. WT: W/16 AB-85, 40 LBS.
MX-1116 FRAME & 16 AB-85 SECT. \$25.00
RL-122 REEL ASSY. W/150 FT. BARE WIRE STRANDED 42/32 AND MATING TERMINATIONS SO OTHER REELS CAN BE ATTACHED. 3LB. \$4.95
MX-384 INSULATOR; FITS AT THE JUNCTION OF ANY 2 MAST SECTIONS, FOR VERTICAL. 3LB \$2.95
AB-154 MAST BASE W/SWIVEL STAKE, SEC. OR INSULATOR FITS INTO FOR VERTICAL. 1LB \$1.95
MX-857 ADAPTER FOR TOP OF MAST SO MS-116-117 & 118 WHIPS CAN BE ADDED. 1 LB. \$1.95
IL-4 INSULATOR, HAS TERMINALS (2) FOR CONN. ANT. WIRE AND FEMALE COAXIAL FITTING FOR CONN. CG-357/U CABLE. 1 LB. \$2.95
CG-357/U COAXIAL CABLE RG-59A/U 72 OHMS WITH (50FT) W/JACK & PLUG EA. END, TYPE "N" 2LB \$2.50
MX-GUY ROPE ARE MADE OF 3/16 NYLON AND COME WITH LENGTH ADJUSTMENT FASTENER, SNAP HOOK AND INSULATOR, 800 LB. TEST.
MX-382 GUY 31FT WITH ATTACHMENTS. 12oz \$1.00
MX-381 " 40" " " 14" \$1.25
MX-383 " 50" " " 16" \$1.50
MX-378 GUY PLATE FOR FASTENING GUYS 2oz \$.35

MX-516 HALYARD 3/16" NYLON ROPE 800 LB TEST 140 FT. WITH INSULATOR, FASTENER THAT ATTACHES TO RL-122 REEL OR WIRE AND A PULLEY THAT FLOATS ON HALYARD AND ATTACHES TO GUY PLATE W/SNAP HOOK. \$4.50
CP-12 COUNTERPOISE; FOUR 25 FT RADIALS OF WIRE 16/30 WEATHER PROOF, WITH ATTACHMENTS THAT ARE FASTENED TO GROUND STAKES, USED W/VERTICAL. 2LB. \$3.95
GRA-4 GUY STAKE; ALUMINUM 18" WITH FASTENER FOR GUY, 1 1/2" x 1 1/2" ANGLE. 1 LB. \$.50

AB-101/TRC MAST SECTION; FOR ANTENNA SUPPORT; STEEL TUBE 5 1/8" x 1-53/64" 10. x 2" OD W/8-5/16" OF ONE END SWAGED TO 1-7/8" OD TO BE USED AS A INTERCONNECTING FERRULE, LOCKING SLOTS ARE PROVIDED IN EA. FERRULE OF MAST SEC. ALSO CORRESPONDING PIN, ALONG WITH LOCKING DEVICE. WT: 10 LBS. EA. SEC. 7 SEC. FIT INTO CARRYING CASE CY-443. TOTAL WEIGHT 100 LBS. PRICE: SECTIONS ONLY \$6 EA. CY-443 CARRIER \$15
AB-102/TRC BASE FOR MAST WT: 10 LBS. \$10



CARRIER MONITOR: WHEN COUPLED TO AN ANTENNA TRANSMISSION LINE IT PROVIDES DIRECT CURRENT TO A REMOTE POSITION WHICH CAN BE USED AS AN INDICATION OF PROPER TRANSMISSION. THE OUTPUT AMPLITUDE IS PROPORTIONAL TO THE CURRENT FLOW IN THE TRANSMISSION LINE. INPUT IMPEDANCE 600 OHM, OUTPUT IMP. 600 OHM, OUTPUT LEVEL - 3DBM FOR 100% MOD. INTO 600 OHM LINE. WITH TUBES 6X4, 6J6, 6AL5, V103. VOLTAGE REQ. 115/230V 60 CYC. OUTPUT JACKS AND CONTROLS ON FRONT PANEL. ALSO 2 VACUUM CAPACITORS 3MFD 15 KV AND LEAD FOR CONNECTING TO 500 TO 50K WATT TRANSMITTER IN THE 2 TO MC. RANGE. UNIT ALSO HAS COVER. SIZE: 6x6x8 1/2; 15 LBS. #1026017 UNUSED \$4.95


Control Boxes Filters Indicators Tuning Units Amplifiers



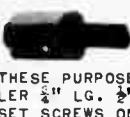
ALARM BELL
OPERATES FROM
24 VOLT D.C.
SIZE: 4 1/2" x 4 1/2"
WT: 1LB #561-3
NEW \$1.95



RADIO COMPASS INDICATORS.
0-360 DEGREE SCALE, WITH AUTOSYN RECEIVER 26 V. 40C CYCLE. (WILL ALSO OPERATE ON 12 V. 60 CY



1-101 CROSS POINT INDICATOR
FOR COMBINED USE FROM LOCALIZER REC. & GLIDE PATH REC. PART OF I/RN-5 & RC-103. SIZE 3 1/2" x 3 1/2" x 3 WT: 3LBS. RECORD. \$2.95



SHAFT EXTENDER-COUPPLER-INSULATOR, CAN BE USED FOR ANY OF THESE PURPOSES. METAL COUPLER 1/2" LG. 3/8" DIA. WITH 2 SET SCREWS ON EA. END. FOR 1/2" SHAFT ALSO HAS FIBER INSULATED SHAFT 1/2" LG. WITH SLOTTED END.
#T-278-C 39¢ EA. 3 FOR \$1

NOISE VOICE ACTIVATED TRIGGERING DEVICE

WHEN CONNECTED TO 6-9 VOLTS AND A RELAY OF THE SAME VOLTAGE THE RELAY CAN BE ACTIVATED BY NOISE OR VOICE UNIT CONSISTS OF CRYSTAL MIC. TRANSISTOR, SCR 2 CAP. 3 RES. AND A TRIMMER POT. FOR ADJUSTING SENSITIVITY. W/SCHEMATIC/LESS BATT AND RELAY. SIZE: 1 1/2" x 1 1/2" x 2 OZ. LEE#5355 PRICE: \$1.95 3/\$5



RM-21 CONTROL BOX WITH HANDSET HOLDER 3 PUSH SWITCHES, VOLUME CONTROL, MIC AND PHONE JACKS ETC SIZE: 10 1/2" x 7 1/2"; 8 LB PRICE; NEW \$3.95

1-82A INDICATOR 5" USED \$10 NEW \$14
-81A INDICATOR 3" NEW \$4
-91B INDICATOR 3" NEW \$10
AY-201 AUTO SYN TRANSMITTER THAT CAN BE USED WITH THE ABOVE INDICATORS TO MAKE A WIND DIRECTION INDICATOR SYSTEM. \$2.95 USED
TRANSFORMER 12 V. \$1.95 (W/INSTRUCTIONS) \$2.95
PL-118 PLUG TO FIT IND \$2.




CAMERA LIGHT FILTER
GRAY COLOR 50% TRANS. SCREW IN MOUNTING. 2-23/32 69MM DIA. WRATTEN DENSITY .30 FOR WOLLENSAK TYPE V254 MM F4.5 35 MM P/O PH330G CAMERA 8A1101-50.4 \$1.95

FLEXIBLE COUPLING

METAL FLEXIBLE COUPLING 2" x 1 1/2" FOR 1/4 TO 1/4 SHAFT COUN002 EA. \$.40

INSULATED FLEXIBLE COUPLING 1 1/2" x 3/4" FOR 1/2" SHAFT. COUN003 \$.25

INDICATOR N-S E-W
W/GEAR TRAIN, INNER & OUTER DIALS COUPLED TO 20,000 OHM 1 1/2" POT. U/WITH APA-44. 3 1/2" x 4 1/2" x 1 1/2" N-S #153223 \$4.95
E-W #153229 \$4.95



C-345A/MRC-2 CONTROL BOX HAS VOLUME CONTROLS, PHONE & SPEAKER JACKS, FOR TWO RECEIVERS A & B. ALSO 2 1/2 FT CORDS W/PL-68 PLUGS TO CONNECT THE UNIT WITH A & B. 6x3 1/2" x 2 1/2" WT: 4LB PRICE: \$3.95

MN-40 INDICATOR
0-360 DEGREE SCALE SIMILAR TO ABOVE EXCEPT THAT IT IS OPERATED MECHANICALLY BY USE OF A SPLICED FLEXIBLE SHAFT OR SPIN KNOB OR BOTH.
MN-40 INDICATOR 5" \$2.50
MC-124 SHAFT 20" \$1.50
MC-137 SPIN KNOB \$1.00


CONNECTORS

PL-58 AND JK-37 THREE PRONG PLUG AND JACK. PLUG IS KEYS TO PREVENT INSERTING PLUG BACKWARDS. 2x3x1 1/2" EACH \$.59 PAIR 1.00

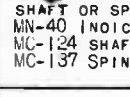
CONNECTOR PLUGS
15 CONTACT SIZE: 2 1/2" x 1 1/2" PER PAIR \$1.50 P-601

TERMINAL BOARD, P/O
BD-71 SWITCHBOARD. HAS 15 BRASS BINDING POSTS ON INSULATING BOARD SIZE 3 1/2" x 16 1/2"; WT: 3LB PRICE: \$1.50 EACH 4/\$5.00

HYDROPHONE UNIT
MAGNETOSTRICTIVE ION TYPE 20 KC RESONANT FREQ. THIS A STANDARD SECTION OF A COMPLETE ASSY. AS USED IN AN/SGS-10 SONAR. SIZE: 3 1/2" x 5 1/2" x 1 1/2" WT: 3LBS. #875446/Y901 \$5.95

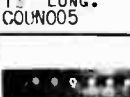


SB-329 SIGNAL DISTRIBUTION CONTROL BOX USED W/ARC-44 RADIO SET. CONTAINS 4 POS. SEL. SWITCH VOL CONT, 2 IND. LITES WITH 327 LAMPS, MINATURE SWITCHES 3/SPDT, 1/SPDT & 1/OPD 1 1/2" x 2 1/2" x 1 1/2". SIZE: 2 1/2" x 5 1/2" x 4 1/2"; 5 LB PRICES: USED \$3.95 NEW \$7.95



REMOTE CONTROL BOX FOR TCS EQUIPMENT, CONTAINS 3 SPST SWITCHES, 2 PHONE AND MIC JACKS ALL WATERPROOF, 1 DUAL POTENTIOMETER WITH DIAL KNOB. SIZE: 5 1/2" x 5 1/2" x 3, WT: 3LBS. #CMX23429 New \$1.00

GENERAL ELECTRIC HEAVY DUTY MULTI-SWITCH
FOUR CONTACT 3 POSITION & OFF. POS. 1 & 2, 2 & 3, AND 3&1 SIZE: 5 1/2" x 4 1/2"; WT: 3 LBS. GE#16S81GF11X4/SE-1 \$4.95

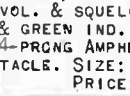


VIEWING HOODS FOR OSCILLOSCOPE
TEKTRONIX 5" RD. PLASTIC BARREL RUBBER VIEWER. 5" RD x 1 1/2" x 4 LBS #3669 NEW \$3.00
RECTANGULAR VIEWING HOOD 6" x 5" x 9 1/2"; 4LBS. 22A937B \$3

WOBLULATOR
MAKE A SWEEP SIGNAL GENERATOR WITH THIS VOICE COIL TYPE DRIVEN CAPACITOR, ALNICO MAGNET, 10 1/2 OZ. VIBRATES A ALUMINUM PLATE THEREBY VARYING THE CAPACITY FROM 5 TO 100 MMFD. BASIC INFORMATION SUPPLIED. #Y-101/APN-1 SIZE: 3 1/2" x 3 1/2" x 2; WT: 1 1/2 LBS. CRACKED CERAMIC \$2 Good \$3



KY-149/AR KEYS CONTAINS A ANT ENNA SWITCHING RELAY, A LOBE SWITCHING RELAY AND A 27.5 VDC PM MOTOR 60 RPM, PANEL HAS 4 BNC COAX. CONN. AND 2 PIN POWER PLUG. SIZE: 2 1/2" x 5 1/2" x 7; 3 LB. NEW \$8.95



FLASHER POSITION LIGHT, PERIODIC AIRCRAFT TYPE C-2, CONTAINS 2 FLASHER G-107 BALLAST TUBE, 24VDC RELAY DPDT, COND, RES. SIZE: 4 1/2" x 4 1/2"; WT: 2 LBS. USED PRICE: \$1.00 EA. 2/\$1.50



N-T-6 PLASTIC STORAGE BATTERY
DRY CHARGE, 6 VOLT 4 AMP. 3 1/2" x 2 1/2" x 1 1/2" \$3.95

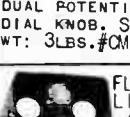


FL-30 BEAM FILTER
AIR FORCE TYPE WITH SWITCH FOR ACCEPTING OR REJECTING 1020 CYCLE SIGNAL FOR REC. WITH JK-26 & PL-55 PLUGS. SIZE: 2 1/2" x 2 1/2" x 3 1/2"; 1LB. USED \$3.

VERNIER DIAL 6"
2 SCALES WITH LOCK. USED ON TAJ TRANSMITTER MO TUNING, 5 LBS. \$3.50



LS-230 INTERCOMMUNICATION STATION CONTROL BOX CONTAINS 3 ROTARY 3 POSITION LEVER CONT. SW 1 LEVER SW. DP DT CENTER OFF, 1 LEVER SW. SPST 1 SIDE, OTHERSIDE SPST MOM. & CENTER OFF. 3 LITE IND. PHONE & MIKE JACK & 1 MIN. TRANSFORMER 50 TO 500 OHM. SIZE: 7 1/2" x 5 1/2" x 2 1/2"; WT: 3 LBS. PRICE: \$5.95



BC-1152 SCOPE INDICATOR 3"
CATHODE RAY TUBE 3HP7, 1/6H6. CONTROLS FOR CENTERING FOR CENTERING HOR. VERT. AZIM. INTENS. FOCUS & SCALE ILLUM. SIZE: 14 1/2" x 5 1/2"; WT: 10 LBS. PRICE: USED \$4.95




BB-208/AMT RADIOSONDE DRY CHARGE BATTERIES, 4 IN A VACUUM PACKED CAN, ONE 6V 2 1/2 HR THRU 30 OHMS, 3 36V EA. 3A HR. THRU 1200 OHM. EA. BATT. SIZE 1-5/16 x 29/32 x 4-5/32; WT. EA. BATT. 4 1/2 OZ. BATTERY PACK (4) \$1.29




CURRENT TRANSFORMER FOR USE WITH AC AMMETER, MOLDED TOROIDAL CONST 200/115 V 400 CPS CURRENT RATING 500: 0.65 AMPS. 2 1/2" x 2 1/2" x 1 1/2" IN. 4 OZ, # 7499 \$.75
SIMILAR TO ABOVE OPEN TOROIDAL. RATING 250: 2 AMPS 400 CPS. WEST. TYPE AVT-15A 3x3x1, 8 OZ. \$.75

VIBRATORS

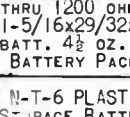
VB-16/6, 12 OR 24 VOLT FOR PE-237 \$12.00
TYPES LISTED BELOW \$1.95 EACH
VB-1/6VOLT FOR PE-117 PE-97 & PE-237 SAME AS VB-7
VS-3/6VOLT FOR PE-104 SAME AS MALL-550G
G534/12 VOLT FOR PE-110
VB-8/2 VOLT FOR PE-157
VB-9/6 VOLT FOR PE-157
VB-11/24 VOLT FOR PE-12
VB-12/6 VOLT FOR PE-120
VB-13/12 VOLT FOR PE-12



O-423/AR RELAY OSCILLATOR. PROVIDES MEANS FOR USING THE TRANS. AS A RF SOURCE FOR TUNING THE REC. WHEN USED IN THE COMPLETE SYSTEM. CONTAINS 5/24 VDC CERAMIC RELAYS, 2 MIN. VOL CONT. 2-BNC COAX. CONN. ETC SIZE: 4 1/2" x 5 1/2" x 2; 3 LBS. NEW \$5



BC-938A CONTROL BOX WITH 7 push button switches marked A, B, C, D, OFF, 1 & 2. Also tone, SW & voice switch & connectors. Price.... \$2.00
BC-451 CONTROL BOX with switches on-off, 1/2/3/4 also code key, mic & phone jacks. AUTO REMOTE CONTROL ASSY. MIC. JACK, PILOT LITE, ON-OFF SWITCH & 6 FT. 8 COND CABLE MOUNTED TO PLATE 3x3" 2LBS. PRICE: \$1.25 EA. 3/\$3.00

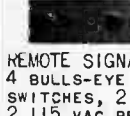


WILLARD PLASTIC STORAGE BATTERY
2 VOLT 28 AMP. HOUR NON-SPILLABLE, BALL INDICATOR DRY CHARGE, ADD ELECTROLYTE SIZE 4x5x3; WT: 4LB. \$2.95




RIGHT ANGLE DRIVE WITH SPIN KNOB AND 1 1/2" DIAL INDICATOR. 1 1/2" x 5/16 SPLINE SHAFT. 2 1/2" x 1 1/2" x 1 1/2"; #9922 \$1


VERNIER DIAL 2 1/2"
100 TO 0 SCALE. TAKES 1/2" SHAFT. PRICE: \$2.00



REMOTE SIGNALING PANEL WITH 4 BULLS-EYE LIGHTS, 2 SPST SWITCHES, 2 FUSE HOLDERS, 2 115 VAC RELAYS, LINE CORD, RESISTORS, COND. ETC. USED TO RING BELL AND SIGNAL OPERATOR AT REMOTE STATION LISTED BELOW. (LESS BELL) 19x3 1/2" x 3 1/2"; WT: 6 LBS. # K53-1604 NEW \$3.95



AUTOTUNE HEAD ATC/ART-13 TRANSMITTERS. MULTITURN UNIT WITH DIAL 0-100, KNOB, REVOLUTION COUNTER, LOCKING DEVICE FOR PRESETTING. CONTROL "B". Col#23518 PRICE: \$1.95



SILVER CELL DRY CHARGE BATTERY, 1.5 V. APPROX. 8 AMP. MIN. REQ. 3.4 CC OF 1,300 SPECIFIC GRAVITY POTASSIUM HYDROXIDE FOR ACTIVATION. SIZE: 1 1/2" x 1 1/2" x 3/8. #EP148E PRICE: \$3.95 EA. 3 FOR \$10



BB-51 BATTERY DRY CHARGE BATTERY, 1.5 V. APPROX. 8 AMP. MIN. REQ. 3.4 CC OF 1,300 SPECIFIC GRAVITY POTASSIUM HYDROXIDE FOR ACTIVATION. SIZE: 1 1/2" x 1 1/2" x 3/8. #EP148E PRICE: \$3.95 EA. 3 FOR \$10

BB-52 BATTERY, SAME AS BB-51 EXCEPT 36V. EA. 3A. HR. THRU 1200 OHM. PRICE 3 FOR \$9.95



REMOTE STATION LINE PANEL BOX HAS THREE POSITION SELECTOR SWITCH, 2 BULLS EYE INDICATOR LIGHTS, 115 VAC LINE CORD ETC. (NO BELL INC 3 1/2" x 6 1/2"; 3LB. #K-53-1604S NEW \$1.95

BB-54 WILLARD PLASTIC STORAGE BATTERY
2 VOLT 28 AMP. HOUR NON-SPILLABLE, BALL INDICATOR DRY CHARGE, ADD ELECTROLYTE SIZE 4x5x3; WT: 4LB. \$2.95

SILVER CELL DRY CHARGE BATTERY, 1.5 V. APPROX. 8 AMP. MIN. REQ. 3.4 CC OF 1,300 SPECIFIC GRAVITY POTASSIUM HYDROXIDE FOR ACTIVATION. SIZE: 1 1/2" x 1 1/2" x 3/8. #EP148E PRICE: \$3.95 EA. 3 FOR \$10

BB-51 BATTERY DRY CHARGE BATTERY, 1.5 V. APPROX. 8 AMP. MIN. REQ. 3.4 CC OF 1,300 SPECIFIC GRAVITY POTASSIUM HYDROXIDE FOR ACTIVATION. SIZE: 1 1/2" x 1 1/2" x 3/8. #EP148E PRICE: \$3.95 EA. 3 FOR \$10

BB-52 BATTERY, SAME AS BB-51 EXCEPT 36V. EA. 3A. HR. THRU 1200 OHM. PRICE 3 FOR \$9.95

MINIMUM ORDER \$5.00

RADIO TELEPHONE LINK



AN/TRC-47 RADIO SET IS PRIMARILY USED AS PART OF A 3 MILE SINGLE CHANNEL RADIO LINK IN A TWO WIRE TELEPHONE SYSTEM. A CONVERTER IS USED TO CONNECT THE TWO SYSTEMS. THE UNIT IS SINGLE CHANNEL AM CRYSTAL CONTROL FOR USE IN THE 132 TO 150 MC BAND AND REQUIRES 115 OR 230 VOLTS 50 TO 400 CYCLE FOR OPERATION. THE TRANSMITTER OUTPUT IS 7 WATTS AND COMES WITH TUBES 1 EA. 2E26, 5763, 5R4, 6AK6, 0A2 12AX7, 2 EA. 12AU7 & 6L6, TUNING METER & METERING SW....RECEIVER HAS SPEAKER AND TUBES 1 EA. 12AT7, 6AC5, 12AX7, 6AX5, 2 EA. 6BA6, 6J6, 0B2 & 4/6AK5...THE CONVERTER IS A COMBINED REGENERATIVE SIGNAL CONVERTER AND ELECTRONIC HYBRID NETWORK. IT CONVERTS A 20 CYCLE SIGNAL TO A 800 CYCLE AND 800 CYCLE FROM THE REC TO 20 CYCLE SO THE SIGNALS CAN BE TRANSMITTED AND ADAPTES TO TWO AND FOUR WIRE TEL. SYSTEMS. WITH TUBES 3 EA. 12AT7. 1 EA. 6AS6, 6AK6, 0B2, 2/0A2 & 3/6X4.

CABINET SIZE 21x14x22; SHPG. WT: 100 LBS. PRICE: USED SERVICEABLE \$59.50

RT-159/URC-4 RADIO RECEIVER-TRANSMITTER USED FOR GROUND TO AIR-CRAFT RESCUE WORK. VHF FREQ. 120-130 MC. UHF FREQ. 240-260 MC. CRYSTAL CONTROL TRANSMITTER, SUPER REGENERATIVE RECEIVER, DIPLOLE COLLAPSIBLE ANTENNA AND COMB. MIC & EARPHONE ARE PART OF THE SET. WITH 3 TUBES 4/6050, 2/6147, 2E32, & 3Q4.

BATTERY VOLTAGES REQUIRED 1.4 AND 90 VDC. UNITS USED SERVICEABLE. SIZE: 3x7x2; WT: 3LBS. PRICE: USED \$14.95



CX-1093A/U POWER CABLE FOR URC-4 \$1.50



URC-4 TEST SET, TS-684/URM-30 USED FOR ALIGNMENT AND TESTING RT-159 REC TRANS. CONTAINS 0-1 MA. METER, CRYSTAL OSC., METERING SW. ANTENNA, CABLE ETC. IN CASE SIZE 6x6x4. WITH INSTRUCTIONS IN THE COVER PRICE: NEW \$9.95



RT-285/URC-11 RECEIVER-TRANSMITTER SIMILAR TO URC-4 RESCUE UNIT FOR USE BETWEEN AIRCRAFT AND GROUND. UNIT IS SET FOR 243 MC. TELESCOPING ANT. REC.-TRANS-TONE SW. BOTTOM VOLTAGES REQ. 1.4 & 90 VDC. SAME AS URC-4 ALSO URC-4 TEST SET CAN BE USED, TS-684 SHOWN ON PAGE 16 SIZE: 3x1x4; WT: 1 1/2 LBS. PRICE: USED..... \$18.95

IDENTIFICATION SET

RT-82/APX-6 RADAR IDENTIFICATION SET

RECEIVE TRANSMITTER COVERING RANGE OF 950-1150 MC. IF FREQ. 59.5/1.5MC. (CAN BE CONVERTED TO 1215MC. QST FEB. '61, SETP. '60; 1296MC. QST JUNE '61). WITH (30) TUBES 6/6J6, 1/6AS6, 1/3E29, 3/6AL5, 1/5Y3, 2/3B24, 3/6AL5, 2/12AU7, 7/6AK5, 1/2C42, 1/2C46, 1/1B40, 1/1N-43, 1/1N-25. DIGIT COUNTERS ON TUNERS FOR TRANS-REC-LO FREQ. CONTROLS. VOLTAGE REQUIRE 24 AND 115 400/800 CYCLE. SIZE 13x13x10; WT: 45 LBS. PRICES: USED \$18.95



APX-6 R.F. HEAD A-403 p/o RF-29 WITH COUNTERS AND ANTENNA INPUT. USES TUBES 2C42, 2C46 & 1B40 EX8x3; WT: 6 LB. LESS TUBES \$4.95



R-425B/ARV-59 RECEIVER

USED IN PILOT LESS AIRCRAFT IN THE 406 - 420 MC. F.M. BAND, 15 CHANNELS WITH A RESONANT AUDIO TONE OUTPUT IN THE FREQ. RANGE OF 7.5 TO 22.17 K.C. SENSITIVITY 5 MICRIVOLTS WITH TUBES 8/5840, 5/5702, 6/5718, 2/5647, 1/5639 ALSO 2 CRYSTALS, 24 VDC BLOWER AND DYN. 24 VDC 2.3 A. OUTPUT 128 V. 205 MA. SIZE: 9x8x6; WT: 10 LBS. USED \$14.95



BC-1100 TRANSMITTER; 1.5 TO 10 MHZ, CRYSTAL CONTROL OR MO. ON ANY 4 PRESELECTED CHANNELS BY LOCAL OR REMOTE DIALING OR ON/OFF OPERATION 75 WATT C.W. 50 WATT PHONE. POWER REQ. 115/230 VOLT 50/60 CYCLE. WITH TUBES 2/6L6, 3/807, 1/VR-150, 1/5Z3 & 2/RK-60. MANUAL ONLY \$5.00 SIZE: 40x18x30; WT: SHPG. 411 LBS. NEW \$75.00

RM-40 REMOTE CONTROL & AMPLIFIER FOR ABOVE TRANSMITTER, HAS PULSE DIAL CIRCUITS THAT CAN BE USED TO OPERATE TRANS. OVER TELEPHONE LINE OR WIRE, MIC. AND PHONE AMP. AND LINE LEVEL METER. POWER REQ. 115/230 V. 50/60 CYC. WITH TUBES 2/6J5 & 1/80. SIZE: 10x14x13; WT: 95 LBS. NEW \$35.00 CARBON MICROPHONE \$7.95 MANUAL \$5.00



RC-223 TRANSMITTER, 25 WATT 2000 TO 5000 KHZ WITH THREE PLUG-IN TUNING UNITS. CRYSTAL CONTROL AND VARIABLE OSCILLATOR. FOUR PRESELECTED CHANNELS USING

FT-171 CRYSTAL HOLDERS. WITH TUBES 801 OSCILLATOR, 80 POWER AMP, 2/46 MODULATORS, 46 AUDIO AMP. 0-3 RF AMP AND 0-300 VDC METERS. VOLTAGE REQUIRED 12 OR 24 VDC AND 500 VDC @ 150-200 MA. SIZE: 18x13x7 WT: 100 LBS. PRICE: W/TUBES, THREE TUNING UNITS, AND CASES FOR TWO TUNING UNITS, NEW \$19.95



RT-380/AR RECEIVER-TRANSMITTER 2 TO 18.5 MC C.W. PHONE, 100 WATT TRANS. AM CRYSTAL CONTROL ON 10 PRESELECTED FREQ. RECEIVER 50 MW MIN. INTO 600 OHM LOAD. WITH TUBES 1/813, 2/811, 1/1625, 1/6AG7, 1/6V6, 1/12BE6, 2/12AU7, 2/12AL5, 2/28D7 & 4/6BA6. POWER REQUIRED 400 VDC @ 750 MA. 750 VDC @ 350 MA. AND 27 VDC FOR RELAY AC FOR FILAMENTS. (SAME VOLTAGES AS ART-13) (SIMILAR TO COLLINS 1854) SIZE: 15x7x23; WT: 70 LBS. LESS CRYSTALS PRICE: USED LESS DYNAMOTOR \$49.50



R-666/ARN-32 RECEIVER 75 MC CRYSTAL CONTROLLED FIXED FREQUENCY, USED TO ACTUATE RELAY THAT IN TURN CAN BE USED TO PERFORM A SPECIFIC FUNCTION FROM A REMOTE POINT BY RADIO, ALSO HAS AUDIO OUTPUT. COMES WITH TUBES 4/5908, 4/5907 AND 1/5903. POWER REQ. 27.5 VDC .6 A. SIZE: 2 1/2x5x8; WT: 2 LBS. PRICE: USED \$9.95



BC-1333 MARKER BEACON RECEIVER 75 MHZ, USED IN AIRCRAFT FOR RECEIVING SIGNAL FROM AIRPORT. SIGNAL RECEIVED ENERGIZES RELAY WHICH IN TURN OPERATES INSTRUMENT PANEL LIGHT. CAN BE USED TO ACTUATE ELECTRICALLY OPERATED THINGS FROM A REMOTE POINT. VOLTAGE REQ. 24 VDC. WITH TUBES 1/12SN7, 1/6SH7, 1/6SL7. SIZE: 3x5 1/2x5 1/2; WT: 3 LBS. PRICE: USED \$4.95

R-196C/ARW-26Y REMOTE CONTROL RECEIVER, MAY BE TUNED TO ANY FREQUENCY BETWEEN 60 AND 74 MHZ. APPEARS FREQ. CAN BE CHANGED SO THAT THE UNIT MAY BE ADAPTED FOR REMOTE RADIO SIGNAL ACTUATION AS POSSIBLY GARAGE DOOR OPENER, SECURITY SYSTEM ACTUATOR, ETC. ACCEPTS A SIGNAL MODULATED AT 300, 650, 955, 1390 AND 3000 HZ. AUDIO TONE OPERATES A SEPARATE RELAY FOR EACH FREQUENCY. THE 955 HZ RELAY ACTIVATED WHEN THE OTHER RELAYS ARE NOT. THE UNIT PERFORMS MOST EFFECTIVELY FROM VISUAL DIRECTION. RECEIVER CONTAINS AN RF AMP, DETECTOR STAGE AND FIVE AUDIO FILTERS. WITH SIX 12AU7 TUBES. 7 1/2x8 1/2x5 1/2; WT: 8 LBS. UNUSED \$9.95



CASES & CABINETS

TA-228/TCC-7 TRANSIT CASE; ALUMINUM WITH HASP FASTENERS AND RETRACTABLE HANDLES. INTERIOR SIZE: 10 1/2x18x15. WT: 18 LBS. PRICE: \$10.00



CY-853/PRC-6 CASE; PADDING AND SPACES FOR 42 CRYSTALS 3/4x5/16. SNAP LATCH. CASE SIZE: 6 1/2x6 1/2x1; WT: 2 LBS. UNUSED, \$3.00



S-1347 CASE FOR SPARE PARTS. STEEL CONSTRUCTION. INTERIOR PARTITION: 5 1/2x2 1/2x2 1/2; OVERALL: 6 1/2x8 1/2x2 1/2; 4 LBS. \$1.50

CY-1456/USM-25 ACCESSORY CASE; GREAT FOR CORDS, PROBES, ETC. LID POCKET FOR HANDBOOK OR MANUAL. ALUMINUM WITH HANDLE. OVERALL SIZE: 15 1/2x10 1/2x3; WT: 6 LBS. \$5.00

FGC-29 CABINET WITH REAR DOOR AND 115 V. 60 HZ BLOWER. SQUARE CORNERS SO THEY CAN BE GANGED. 22 1/2x7 1/2x24; 200 LBS. USED, \$40.00

CY-1693 CABINET WITH 3-PLUG AC OUTLET. STEEL, REMOVABLE REAR PANEL. RACK SIZE: 14x19x14, OVERALL: 16 1/2x22x14; 50 LBS. UNUSED, \$25.00



ALUMINUM CASE WITH ROUNDED CORNERS; STURDY, COMPACT SINGLE COMPARTMENT CONSTRUCTION. HASP-TYPE FASTENERS. INTERIOR 9 1/2x10x5 1/2; WT: 6 LBS. #CV-425 \$5.00

MANY OTHER SIZES OF CASES, BOXES, CABINETS IN STOCK TELL US YOUR NEEDS

CARRYING CASE FOR TS-147 TEST SET; MADE OF ALUMINUM, INSIDE MEASUREMENTS, OVERALL 17 1/2x11 1/2, LOWER PORTION 7 1/2 DEEP, REMOVABLE HINGED COVER, HASP FASTENERS. WT: 15 LBS. USED \$5



TS-10C HEAVY ALUMINUM CASE, HINGED COVER, HASPS & HANDLE. SIZE 10 1/2x15 1/2x6 1/2 10 1/2x15 1/2x6 1/2; WT: 15 LBS. \$10.00

RATIONS BOX NO 1 FOR 2 MEN, 1 DAY RIVETED CANVAS STRAP, HANDLE AND SERVES AS HINGE WITH BUCKLE. 8 1/2x5 1/2x4 1/2; 5 LB. \$2.00



COUNTER DIAL 10 TO 1 RATIO 0-100/0-99 SPIN KNOB, 3/8" SHAFT. SIZE: 6x3 1/2x2 1/2; 3 LBS. LOCKING DEV. RCA/NAEC #210 USED \$8.95



VARIABLE INDUCTOR 2 TO 26 MHZ, 14 TURNS 1/2 IN. SILVER PLATES TUBING, 5/16" COIL TAPPED @ TURNS 2, 3, 4, 7, 9, 11, SILVER PLATED RIBBON COND. ARE VAR. THRU. THE COIL, 1/4x4 1/2" SHAFT. SIZE: 13x7x7 1/2; 10 LBS. 5950-092-1126 \$25.00

ROTARY INDUCTANCE TUNER COIL 2.5 TO 20 MC. 29 TURNS WIRE NO 14, COIL FORM 2-3/16x4-3/8 APPROX. 19 MU-HY, 100 WATTS, 1/2" SHAFT WITH COUPLING. SIZE: 3x4 1/2x7; WT: 4 LBS. Russo #2407-C PRICE: RE-MOVED F/EQUIP. \$9.95



ROTARY INDUCTOR, 32.7 U-HENRY; 43 TURNS. 1 1/2" DIA. x 2 1/2" LONG COIL. OVERALL LENGTH 2 1/2x2 1/2x7. REMOVED FROM TCS TRANSMITTER SO SHOULD BE GOOD UP TO 100 WATTS. WT: 2 LB TCS-L108-LD LESS DIAL USED \$8.95

VARIABLE CAPACITOR TO MATCH ABOVE ROTARY COIL; 425 MMFD., 3 1/2x1 1/2x1 1/2 WITH SHAFT. TCS-C116-REMOVED FROM TCS \$2.95

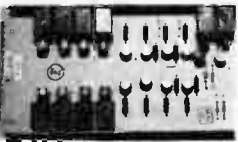


ROTARY INDUCTOR COIL FROM COMMAND TYPE TRANSMITTER, COMPLETE UNIT LESS TUBES, CRYSTALS WITH DIAL, CAPACITORS, 2 VARIABLES ETC. SHPG. WT: 10 LBS BC-457-458 OR EQUIV. ENT. USED \$4.95

SILICON DIODES



SILICON DIODES; MOUNTED ON HEAT SINKS WITH MOUNTINGS. REMOVED FROM EQUIPMENT AND GUARANTEED TO BE OPERABLE. BEK-6 WITH 2/IN3212, 2/IN321-2R, WTG SIZE 4x3x. \$2.50
 2C8R W/4/IN3208, 4/IN3208R
 2/TIERED MTG 4x4x2.75
 3C12R W/4/IN3208, 4/IN3208R, 2/IN3209, 2/IN3209R.
 3-TIERED MTG 4x4x4.25
 ICIT 2N1557, 90 WATT, 40 V 15 AMP ON 3x4 1/2" HIGH COOLING HEAT SINK \$1.50
 BAJ6 4/IN3212, ON 4x6x7/8 HEAT SINK. \$3.00
 BAJ8 2/IN3212, 2/2N686, 25 A. 250 PRV 4x6x1 \$3.50
 D1190 4/IN3208, 1/IN3208R, 1/3209, 1/IN3212, PLUS 10/RES, 4/CAP, 2/POT \$3



LESS CONTACTS

SANDY'S TRANSISTOR SPECIAL 4 1/2"x9" CIRCUIT BOARDS WITH TRANSISTORS, DIODES, SEMI-CONDUCTORS, CONDENSORS, RESISTORS, ETC. WITH 60 TRANSISTORS \$3.00 125 FOR \$5.300 FOR \$10.00

TRAVELING WAVE TUBE



THE TRAVELING WAVE TUBES LISTED BELOW ARE USED COMPLETE, NOT CHECKED, NOT GUARANTEED. (EXPERIMENTER'S ITEM)

ZM-3480 VARIAN TWT WITH DC-DC INVERTER POWER SUPPLY OPERATES FROM 115 V. 48-420 HZ. HAS POWERFUL DISC MAGNETS THAT CAN BE DISMANTLED. SIZE: 13x3; 12 LBS. \$10.00

WJ-295 WATKINS JOHNSON TWT LOW NOISE AMPLIFIER 2.0-4.0 GHZ WITH INVERTER DC-DC P.S. FOR USE ON 115 V. 48-420 HZ OUTPUT 600 VDC, 150 VDC, 100 VDC & -30 VDC. HEAVY DISC MAGNETS. 10x3; 7 LBS. \$10.00

TWT'S LISTED BELOW DO NOT HAVE ANY POWER SUPPLIES OR MAGNETS. NO ADDITIONAL DATA.
 SPERRY STC-279 12x1 1/2 \$5.50
 MICROWAVE M5217 13x1 1/2 \$5.50
 HUGHES 333H 9x3 \$5.50
 HUGGINS M5057A 17x1.5 \$5.50
 RAYTHEON QKB994 8x2.5 \$5.50
 MICROWAVE 10300 15x1 \$5.50
 RCA PS296001/4033 \$5.50
 ALL ABOVE TWT APPROX. 5 LBS.

BC-624/522 RECEIVER, 3 GANG 6-36 MMF EACH SECTION WITH SLUG TUNED TRIM. SHAFT 5/16 STK#3D9036V
 SIZE: 4x2x3 1/2; 1 LB. \$1.50

351-1013 3.5 TO 27 MMF, 13 PLATE SIZE: 1-5/8x1 1/2x1-5/16, SHAFT 1 1/2x3/16. \$.75

TCS VARIABLE CAPACITOR, 2 SEC. 10-360 MMF, ONE SEC 10-360 MMF; 3 BAND CALIBRATED DIAL 4" 1.5 TO 12 MHZ SIZE: 7x3 1/2x3 1/2; WT: 10 LBS. #881 \$3.95 USED

VARIABLE CAPACITOR, 12 TO 180 MMF, 2500 V. HAMMARLUND, 3x1 1/2x1 1/2, 1/8" SHAFT. #5910-669-4056 \$2.95

VARIABLE CAPACITOR FROM TCS TRANSMITTERS, 425 MMFD, 3x2 1/2x1 1/2 WITH SHAFT. TCS-C116, REM. F/TCS \$2.95

VARIABLE AIR CAPACITOR 2.8 TO 8.5 MMF 5 PLATES P/O BC-640 TRANS. #A105262 3D9002VEB \$1.79

FREQ. METER TUNING CAPACITOR, LESS DIAL 11.5-160 MMF. PART OF BC-221/LM SERIES 3x3x5; 3 LBS. \$6.00

PRE-SELECTOR UNIT ASSEMBLY PART OF R-19/508 RECEIVER 118-148 MC CONSISTS OF 1ST & 2ND R.F. AMP. R.F. OSC. & MIXER STAGES, FOR USE WITH 3/9003 & 1/9002 TUBES. (LESS TUBES) SIZE: 4 1/2x3x3 1/2; 3 LBS. N \$7.95

VARIABLE CAPACITOR, 25 TO 250 MMF, 1000 VOLTS. 2 1/2" DIA. x 1 1/2" SHAFT; OVERALL 3 1/2x1 1/2x2 1/2. GOLD PLATED PLATES; REM- BC-778 USED \$2.95

VARIABLE CAPACITOR, FIVE GANG, 22 TO 415 MMF EACH SECTION, 500 V. WITH GEAR-HEAD. SIZE: 8 1/2x4x2 1/2. WT. 3 LBS. REM-ARN-6 PRICE: USED \$3.95

VARIABLE CAPACITOR, 100 MMF 34 PLATES, SCREW DRIVER SHAFT X 1 1/2. #4460VC-100 59¢

CAPACITOR VARIABLE AIR 5.5 TO 100 MMF 0.015 AIR GAP SCOR ADJ SHAFT. SIZE 2" INI SHAFT X 1 1/2 U/W BC-312/342 HAMMARLUND APC-100 27 PLT. 3D291 59¢

MINIATURE VARIABLE CAPACITOR 2-30 MMF 500 V. 14 PLATES SIZE 3/16x1/2" SHAFT 3/16x3/8" SINGLE HOLE MTG. OVER ALL SIZE LESS SHAFT 1 1/2x5/8x 1/2; #NAEC-4571 \$1.50

READ-OUT ASSEMBLY 17 LAMPS MOUNTED ON STRIP CONNECTED TO A TWO CONTACT WAFER SW WITH RESISTORS FOR 115 VOLT 60 CYCLE USE. STRIP SIZE 1x7, SWITCH SIZE 2 1/2" DIA. WT: 6 OZ. #LANS SW-249 RE-MOVED FROM EQUIP. \$1.50 EA. 4 FOR \$5.

ART-13 VARIABLE CAPACITOR 50-200 MMF. 7000 VOLT .17 INCH AIR GAP WITH AUTOTUNE GEAR ASSY. #C-125 USED SIZE: 5x5x12 7LBS. \$9.95

PRE-SELECTOR UNIT ASST PART OF R-48 REC. 230-250 MHZ. CONSISTS OF R.F. MIXER & OSCIL. USING 6AS-2 EA. 9002-1 EA. TUBES (LESS TUBES.) FOR USE WITH 30 MC I.F. SIZE: 6x5 1/2x4; 5 LBS. USED \$8

COMMAND RECEIVER VARIABLE CAPACITOR 3 GANG WITH TRIMMERS AND GEARS #4601 147 MMF 3-6 MC \$2.50 #6558 62 MMF 6-9 MC \$2.50 SIZE: 4x3x3; WT: 2 LBS.

PA TUNING CAPCITOR FOR COMMAND TRANSMITTER W/ GEAR TRAIN & DOUBLE END SHAFT. 4x2x3x3 WT: 1 LB. # C-65/7321 STK.# 2C6397A/C8 NEW \$1.95

VARIABLE CAPACITORS 100 WATT SIZE: 4x2x3 SHAFT 3/8x1/4 WT: 2 LBS. 31 PLATES 1/8 SPA MMF P-7761569-P4 23 TO 111 " M-7463006-1 22 TO 118 " PRICE: EACH \$1.95

T-7660443-P7 15 TO 81 MMF 7 PLATES, 1/8 SPACING, SIZE 3x2x2, SHAFT 1 1/2x1; 8oz. \$1.00

CAPACITOR ASSEMBLY; C11A 6.5-140 MMF (VAR. AIR.) SCREW DRIVER ADJ. MOUNTED ON BRACKET WITH CERAMIC TRIMMER 3-13 MMF. #C358 SCREW DR. AC WT: 8oz. #FC80128C \$1.50

VARIABLE CAPACITOR, 3.5 TO 50 MMF, 0.015" AIR GAP. 1 1/2" (INCL. SHAFT) 1 1/2x1 1/2 REMOVED FROM BC-659, 3D9050V-30 59¢

VARIABLE CAPACITOR, 563 MMF. WITH FOUR POSITION SELECTOR SWITCHING FRONT MOUNTING PLATE 4" SQUARE. SIZE: 2x3 1/2x3 #76348 PRICE: UNUSED \$2.95

TU-53 OSCILLATOR PLUS-1N .55V. FCF BC-610 TRANSISTOR TEE FREQ. RANGE 8-12 MHZ. CONTAINS VAR. CAPACITORS WITH SHAFTS 140 MMFD, 190 MMFD. 2/CERAMIC CAP. 1/MICA CAP. 4/R.F. COILS, 2/RES. 1/DPDT SW. 1/DIAL, 2/KNOBS, CRYSTAL SOCKET, AND OTHER PARTS. SIZE: 2x8 1/2x4 1/2; 4 LBS. \$3.95

AUDIO OSCILLATOR BASIC ASSEMBLY; CONTAINS 24 12 MMFD CERAMIC TRIMMERS, 21 TEMP COMP. CAPACITORS & RESISTORS. WHEN USED WITH 2/6SJ7 TUBES & ASSOCIATED PARTS IT WILL PRODUCE A FREQ OF 425-2295 HZ IN 12 STEPS OF 170 HZ EA. # DIV. REC-26 SIZE: 5 1/2x5x4 1/2; 5 LBS. \$4.95

VARIABLE CAPACITOR 13.5-325 MMFD, 500V DC, 43 BRAS PLATES .0245 AIR GAP. WITH 3 1/2" VERNIER DIAL CLEAR PLASTIC WITH MOUNTING W/LIGHT. SIZE: MTG. 5x4x2 1/2; WT: 2 LBS. 3093251.1 P/O BC-1148 PRICE: \$3.95

VARIABLE CAPACITOR, THREE SECTION, 85-365 MMF EACH SECTION. 500 V. 2x2x3 1/2 1 1/2" SHAFT. #3D9365 \$2.95

BC-624 RECEIVER R.F. TUNER ASSY 100 - 156 MHZ A.M. W/VARIABLE CAP. COILS, TUBE SOCKETS, OSC. SEC. P/O SCR-522 5x5x5; WT: 7 LBS 22K11150 Used \$3.95/N \$5.95 NEW \$5.95/\$3.95

MALLORY SPIRAL INDUCTUNER FOUR GANG TUNER .04 TO .70 UHY (APPROX.) PER SECTION. 19 TO 75 MHZ RANGE WHEN PLACED IN PARALLEL TO 100 MMF. PROVIDES ACCURATE, NOISE-FREE OPERATION AND ELIMINATES USE OF SWITCHING COILS, BAND SWITCHES, ETC. SIZE: 6x2x2 SHAFT: 1 1/2x2 #HT-254-0 \$9.95

R.F. OSCILLATOR ASSEMBLY P/O R/T-39 APG-5 RADAR SET, 2500 TO 2600 MHZ. REQUIRE 2C40 & 2C43 & 1B27 TUBES. HAS SPECIAL COAX. FEED LINES FOR UG TYPE CONNECTORS. SILVER PLATED ASSY. WITHOUT TUBES OR TUBE CAPS. #2C2783 SIZE: 9x4x4 WT: 5 LBS. \$1.95

WAVEGUIDE COUPLER ASSY-DUAL DIRECTIONAL. FLANGE SIZE 1-7/8x1-7/8 WAVEGUIDE 2x 1-1/8, DUAL GUIDES 9 1/2" LONG WITH PRESSURIZING ASSY. 5LB. 1BM #1280-779-5806 \$1.95

PRESSURE TRANSDUCER TYPE M-1 TOSS BOMB COMPUTER ELECTRIC TYPE DUAL DIAPH. HIGH LOW CONN. PITOT & STATIC LINES. SIZE 6x3x4; WT: 3 LBS. STK#1280-568-6013 \$3.95

MAGNETIC FOCUSING YOKE WITH 2 MAG NETS MOUNTED IN RING, RING SIZE 2-1/8" DIA. 5/8" W. 1" HOLE, MAG-NETS 5/8"x9/16 WT: 7 OZ. # MAGNET CIR-7 PRICE: 35¢ 3 FOR \$1.00

RF OSCILLATOR TUBE ASSEMBLY PART OF SG-76 PULSE GENERATOR 2650-2950 MC USES 2C40 TUBE 2C40 NOT INCLUDED

3" DIAL FOR VARIABLE TUNING, RF OUTPUT TAKE UG-88 COAX. CONNECTORS RADIATION MODEL 104/UPM-19 SIZE: 10" LG X 4" DIA. LG. END WT: 4 LBS. LESS 2C40 \$3.95

FREQUENCY READING CAVITY ASSEMBLY PART OF SG-76 PULSE GENERATOR AND USED WITH THE RF OSCILLATOR TO DETERMINE THE FREQ. MORE ACCURATELY AS INDICATED ON THE METER. FREQ. 2650 TO 2950, 3" VERNIER DIAL, TAKES UG-88 COAX RADIATION MODEL #103/UPM-15 SIZE: 4x3 1/2; 1 1/2 LB. \$2.50

THERMISTOR BEAD ASSEMBLY USED FOR MEASURING AVERAGE RF POWER PART OF SG-76, THERMISTORS D168 391 & 168392, COAX. CONN. REQ. UG-21. RADIATION MODEL #120/UPM19; SIZE: 6 1/2x2x1 1/2 WT: 6 OZ. \$1.95

VIDEO OUTPUT AND PULSE DETECTOR ASSEMBLY WITH IN-21B DIODE TAKES UG-88 COAX. CONN. NECTORS. RADIATION MODEL #106/UPM-19 SIZE: 3 1/2x4x2 1/2; 4 OZ. \$1.50

THREE GANG INDUCTUNER, 0.04 TO .07 U-HY SECTION. 60 TO 75 MHZ PARALLEL WITH 100 UUF. 5x2x2, SHAFT 1 1/2x1 1/2 DIA. #B-10-177 \$8.95

LC-902 ANTENNA INPUT TANK FOR TN-2A/APR-1 TUNING UNIT, FREQ. 76 TO 300 MHZ. WITH VARIABLE CAPACITOR, COIL, AND 955 TUBE SOCKET. SIZE: 4x3x3 WT: 4 LBS. UNUSED \$9.95

LC-702 ANTENNA MIXER TANK FOR TN-3A/APR-1 TUNING UNIT FREQ. 300 TO 1000 MHZ. WITH VARIABLE CAPACITOR AND COIL SIZE: 2 1/2x3 1/2 WT: 3 LBS. PRICE: UNUSED \$6.95

LC-701 OSCILLATOR TANK FOR TN-3A. WITH VARIABLE CAPACITOR AND COIL. SIZE: 4 1/2x4 WT: 4 LBS. UNUSED \$8.95

ATTENUATOR 50 DBMS 10.6DB STODDART#90520-11, TAKES UG-21 TYPE CONN. EACH END. LENGHT 3". \$1.95 ADAPTER UG-188/U (WHICH IS A UG-21 TYPE PLUG) TO A STANDARD UG-88 CONN. CABLE 3" LONG. CN-210/U \$1.25

Z	Z	Z
1	5	7

AUDIO OSCILLATOR NETWORKS FOR USE WITH 12AU7 TUBE.
 Z1 73.2 CPS \$25 183.0 CPS
 Z2 91.5 " 26 244.0 "
 Z3 122. " 27 410.0 "
 Z4 144.5 " EACH CAN SIZE 1-5/8x1-3/8x3 1/2; WT: 2 OZ. RADIATION UPM-Z (THEN NO.) PRICE: EACH \$1 ALL 7 \$5.00

INSULATORS



STAND-OFF, CROWS FOOT, 7" Hx1 1/2" D. CAST BASE, 2 1/2" CTRS. TOP CAST W/3/16"-20 SCREW #5970-405-8992 \$4.00
SIMILAR, ABOVE 3" 3.00
" " 10" 7.00

SPREADER INSULATOR, 4" LONG X 1/2" DIA. 2 1/2" BETWEEN HOLE CENTERS. #IN-1020 25¢ EACH

STK.#INS.1014; FEED-THRU 4" LONG 3/8" HOLE, 7/8" DIA. WITH NECK. PRICE: 25¢

CONE 1" BASE 1-1/8" H. 3/4" T 10-24 THREAD. #CSJ-61028 35¢ EA. 4 FOR \$1.05

STK.#INS.#1015; FEED-THRU BRASS BOLT 6 1/2" LONG X 1/2" W/NUTS, SPLIT INSULATOR FOR 3/4" THICK MOUNTING WITH CORK WASHERS, OVERALL LGTH 3 1/2" X 2. WT: 2 LB. \$2.50

STK.#3G584 IN-84 FEED-THRU CONICAL SHAPE, 5" LG. O/A; 2 CONICAL SHAPED 1-1/8 LG. X 1 1/2" DIA. AT BOTTOM, 1" AT TOP, 1/4" DIA. ROD WITH 1/4" 20 THREAD WITH NUTS/WASHERS 1 LB. 25¢ EA. 5 FOR \$1.00

TRANSMITTING LEAD-IN INSULATOR, THREADED ROD W/CONE INSULATORS 2X1 EACH. ADJUSTABLE BETWEEN CONFS. 15" OVERALL. WT: 2 LBS. #4238 PRICE: \$1.00



3G138-20. 11 RIGGED CONICAL 2" BASE, 3/8" TOP, 1 1/2" LONG, PUSH SPRING TYPE BINDING POST ON TOP, WHICH CAN BE REMOVED AND BOLT INSERTED. 1/2 LB. 35¢ 3 FOR \$1.00

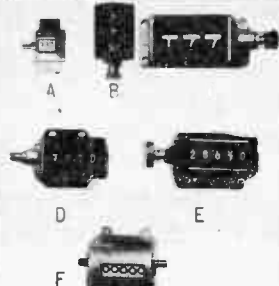
STRAIN, 1 1/2" X 1 1/2" X 7, 3/8" HOLE EA. END FLAT SIDE, 5 1/2" CTRS. #3GK1250.42 \$3.00
SAME RD. 1 1/2" X 1 1/2" X 7, GR/CT#3.50

STK.#CBJ61023 ENTERING INSULATOR, CERAMIC 2 1/2" X 2, CADMIUM PLATED MOUNTING RING 3 1/2" WITH 6 MOUNTING HOLES, GASKET, 4" 1/4-20 THREAD BRASS BOLT WITH NUTS. 1/2 LB. 39¢ EACH 3 FOR \$1.00

ART-13 TRANSMITTER ANTENNA INSULATOR PANEL; WITH 3 1/2" X 4 OBLONG INSULATOR WITH TWO SPRING-TYPE BINDING POSTS. ALSO A 2" X 1 AND A 2 1/2" X 2 CONICAL INSULATORS WITH PUSH-TYPE BINDING POSTS. WT: 1 LB. COMPLETE ASSY. USED \$1.00

VACUUM CAPACITOR 3 MMFD 15 KVDC ±10%; WITH CONNECTORS. SIZE: 5/8" X 4", 6 OZ. JENNINGS TYPE Y-3 \$1.50

COUNTERS



A. 3 DIGIT COUNTER. 1/8" SHAFT. EACH NUMERAL 1/8 IN. SIZE: 1 1/2" X 1 1/2". STK#CBSH334 \$.75

B. 3 DIGIT COUNTER. FOR VERTICAL MOUNTING. 3/8 IN. GEAR ON SHAFT. EACH NUMERAL 1/8". 1 1/2" X 1 1/2" X 1 1/8". STK#CBSH173 \$.79

C. 3 DIGIT COUNTER WITH BEVELED GEAR 2 1/2" X 1 1/2" X 1 1/2". NUMERALS 1 1/2" X 1 1/2" IN. STK#CBSH177 \$1.00

D. 3 DIGIT COUNTER W/DIGITS 10THS, ONES, TENS. 100 THS DIGIT REMAINS 0. 1/8 IN. NUMERALS. 2 1/2" X 1 1/2". STK#CBSH9030 \$.75

G. THREE DIGIT COUNTER WITH BEVEL GEAR OPEN FRAME BACK, LEFT DRIVE. SIZE 1 1/2" X 3/4" X 3/4. MTG. MASK 1 X 1. STK#G32163 \$.50

F. 5 DIGIT COUNTER W/3/16 IN SHAFT EXTENDING 1 1/2" AT EACH END. 99999-0 DESCENDING ONLY. 1/8" NUMERALS. 1 1/2" X 1 1/2" X 1 1/2". STK#CBSH00000 \$1.00

3 DIGIT COUNTER, VEEDER MFG. 1/2" DIA. GEAR SHAFT; 1/2" DIA. EXTERIOR SHAFT CAN BE GROUND TO 2 1/2". OVER-UNDER MOUNTING. 2 1/2" X 1 1/2" X 4 1/2". BC-1323 COUNTER \$1.00

TELEPHONE JACK STRIPS

#4C4426-14 TWENTY JACKS 3 CONDUCTOR CONTACT ARRANGEMENT J-2. KEL#261 \$2.80

#4C4322-25 TEN JACKS 3 CONDUCTOR CONTACT ARRANGEMENT J-2-1A; \$1.95

#4C4426.11 TWENTY JACKS 3 CONDUCTOR CONTACT ARRANGEMENT J-2, NUMBERED 0-19 \$2.50

#4C4436.92-2 TWENTY JACKS 3 CONDUCTOR CONTACT ARRANGEMENT J2, NUMBERED 20-39. KELLOG #369 \$2.50

#4C4692.2 TEN JACKS 3 CONDUCTOR CONTACT ARRANGEMENT J2 WECO#92 TYPE139 \$1.95



3G1830-67076 ENTERING INSULATOR, BOWL 4-3/8" HIGH, 6-15/16 AT BASE, 1 1/2" ROD 3/8 BRASS WITH NUTS, MOUNTING RING 3 SEC. 8-3/4" DIA. W/6- HALF INCH NUTS & BOLTS 2 1/2" LG., BELL CAP 6" DIA. 10 LBS. \$5 EA. 3 FOR \$12.00

MICRO SWITCHES



SPST, R-RL2, NORMALLY CLOSED ROLLER LEVER ASSEMBLY, 15 A 125/250V. 2 1/2" X 5/8 \$.50

SPDT; 3Z-3R244T4; ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. PIN PLUNGER; 2 1/2" X 1 1/2" .30

SPST; WHBT349A-1, NORMALLY OPEN. LEVER PLUNGER. 2" X 1" X 5/8". .30

SPDT; BZ-2R; ONE SIDE NORMALLY, OTHER CLOSED; PUSH PLUNGER ASSY. W/MOUNT. 2" X 1 1/2" .50

HRO7-1P SPST NORMALLY OPEN, 115 V 10 A. 3/8" PLUNGER. \$.75

DPDT; MS25008, ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. EXTENDED BUTTON PLUNGER. 2 1/2" X 2" X 1" \$1.50

DXGB-5 SP NORMALLY OPEN, MOUNTED IN HEAVY FRAME. 1/2" PLUNGER 2 1/2" X 2 1/2" X 2 1/2" \$1.00

SPDT; WHBT349B-1; ONE SIDE NORM. OPEN, OTHER CLOSED. LEVER PLUNGER 2 1/2" X 1 1/2" .30

SPST; MU SWITCH TYPE D; SPLIT DIE CAST ENCLOSURE W/1/8" TAP CONDUIT HUB; 1 7/8. 5A 125/250V. PUSH PLUNGER; 2 1/2" X 2 1/2" .75

WZ2RW80-D5 SP NOMALLY CLOSED 3" LEVER. 2" X 3/4 SW. 60¢

SPST; 2MC3-1A, NORMALLY CLOSED. PIN PLUNGER. 1 5/8" X 1 1/2" X 1 1/2". .45

SPST; SW-186, NORMALLY CLOSED. EXTENDED PIN PLUNGER. 2" X 1 1/2" X 5/8". .25

SPST; G-RS, NORMALLY OPEN. EXTENDED PIN PLUNGER. 2" X 1 1/2" X 5/8". .40

SPST; M07-102T, NORMALLY OPEN. EXTENDED PIN PLUNGER. 2" X 1 1/2" X 5/8". .40

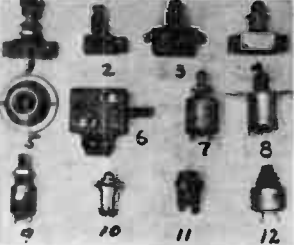
SPST; WZ-RS9, NORMALLY CLOSED. EXTENDED PIN PLUNGER. 2" X 1 1/2" X 5/8". .40

SW-118 SWITCH ASSY SPST, ONE SIDE HOLDING ON; OTHER SIDE MOMENTARY ON CENTER OFF. SWITCH SIZE: 1 1/2" X 1, CASE SIZE: 2 1/2" X 1 \$.35 EA 3/\$1.00

THUMB-IT WHEEL WAFER SWITCHES NUMBERED 1 TO 10 CAN BE USED SINGLY OR IN BANKS. EACH SECTION ON SIZE 2 1/2" X 2 1/2", PRICE EACH SECT. 65¢ BANK OF FIVE AS ILLUSTRATED NOT AVAILABLE

#5930-539-6550

PUSH SWITCHES



PUSH SWITCH WITH TWO SPDT MINIATURE MICRO SWITCHES, ONE SIDE NORM. OPEN, OTHER CLOSED; SCREW CAP COVERS PUSH BUTTON. #2PB1 .75

SPST NORMALLY OPEN; 3A/250 P#SW002 .35

DPST NORMALLY OPEN; 1A/250 P#SW004 .35

SPST GOLD-FINISHED DOORBELL NORMALLY OPEN; 1 5/8" DIA. HARDWARE INCLUDED. P#SW005 .35

DPST INTERLOCK, NORMALLY OPEN. (3Z9825/254) P#SW006 .35

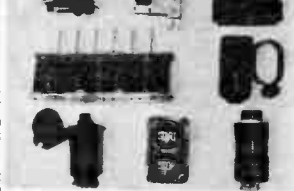
SPST PULL SWITCH, NORMALLY OPEN. P#SW007 .35

SPST NORMALLY CLOSED; CASING AS GROUND; 1/2" SCREWS REQUIRED FOR MOUNT. P#SW008 .35

SPST, NORMALLY OPEN P#ST1010 .35

SPST, PUSH-LEVER SWITCH, 115 VAC 20 AMP; SILVER CONTACTS. P/O 1-199 #1-199-567 .65

SPST, NORM. OPEN, FITS 5/8" HOLE. J-3-PB .39



DPDT PUSH-LEVER SWITCH. P#SW013 .50

DPST PUSH-LEVER SWITCH. NORMALLY OPEN. P#SW014 .50

DPST NORMALLY OPEN. P#SW015 .50

FIVE-PUSH SWITCH 2PST NORM. CL. 1PST NORM. OP. 1PDT. 5x3x1 #PSW5022 \$1.00

SIX-PUSH SWITCH; FIVE ARE SPST NORMALLY OPEN, THE OTHER DPST AND DPDT ON THE OPPOSITE SIDE. 4 1/2" X 2 1/2". P#SW017 \$1.00

SPST PUSH-LEVER SWITCH. 3 5/8" X 1 1/2" X 1 1/2". P#SW022 .35

SPST NORMALLY CLOSED MICROPHONE SWITCH. COVER AS GROUND, WITH MOUNT. P#SW019 .75

SPST NORMALLY OPEN START-STOP DOUBLE SWITCH. #401. P#SW020 \$1.00

DPST, MICRO SW. NORM. CLOSE PUSH PLUNGER W/SIDE MOUNT; 1 1/2" X 1 1/2" X 1 1/2" CR1070C103 .50

EIGHT PUSH SWITCHES DPST NORM. OPEN AUTO RELEASE. PUSH SW. RELEASES ALL SPST NO.CL. 5x2x1 1/2; #855-151 \$1

CHAFF DISPENSER CONTROL BOX AND 24 VDC 5 DIGIT DECLINING COUNTER 2 DIGITS AT A TIME ALSO 12 POSITION WAFER SWITCH. LESS DIAL LAMPS \$ TOGGLE SWITCH. 6x4x3; 2LBS. \$1.95

SWITCHES



AIRCRAFT TYPE SWITCH TWO-HOLE MOUNTING FIG. #1

CIR.	CON.	RATING	NO.	PR.
SPST	NEW	5/125	B-15	.65
ABOVE MOMENTARY N/C CLOSED				
SPDT	REM	15/125	3022-7	.35
(ABOVE CENTER-OFF, MOM.)				
SPDT	NEW	15/125	B-1B	.30
DPDT	NEW	20/125	3023-10	.55
SPDT	REM	5/125	B-7A	.55
(CENTER OFF, MOM ONE SIDE)				

TOGGLE SWITCHES

TOGGLE SWITCHES SINGLE HOLE MOUNTINGS: CONDITION NEW & "REM" REMOVED FROM EQUIPMENT, ALL GUARANTEED.

CIR.	CON.	RATING	NO.	PR.
SPST	REM	8/125	8817K2	.35
(ABOVE SWITCH MOMENTARY)				
SPST	NEW	6/125	SW-105N	.30

SPDT REM 8/125 ST-130 .25 ("ON" BOTH SIDES)

DPST REM 3/125 7463954 .25

DPST REM 15/125 ST-50K .40

DPDT REM 3/125 SW3125 .35

DPDT REM 5/125 ST-22R .30

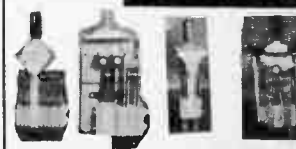
3PST NEW 15/125 SW3115 1.00

4PST REM 15/125 7661K5 1.00

BARKELEV DPDT SWITCH, PICTURED ABOVE, FAR RIGHT. 15 AMP 125 VOLTS AC. WITH FRONT MTG. SIZE: 5x6x1 1/2 WT: 1 LB. UNUSED \$1.50

DPDT AC LINE SWITCH WITH CENTER POSITION "OFF." CONTAINS ST-52-P TOGGLE SWITCH IN ALUMINUM CAST CASE. 15 AMP 125 VAC SIZE: 2 1/2" X 1 1/2" X 1 1/2" PRICE: UNUSED, \$1.00 EA.

HEAVY DUTY SPDT TOGGLE SWITCH, 80 AMP, 12 OR 24 VDC; CENTER "OFF." STUDS ARE 1/2" #20 THREAD. SIZE: 1 1/2" X 2-1/8" X 1 LB REMOVED FROM 1-199, #8783K3 Used \$2.95



1273 #K-22 #K-1100 RM57416

TELEPHONE TYPE LEVER SWITCH 6 MAKE ONE SIDE-CENTER "OFF" 6 MAKE OTHER SIDE; REMOVED. #HAC4803 \$1.60

4 CIRCUIT EA. SIDE NORMALLY OPEN #3Z9818-9.1 50¢ EA. 1 SIDE 8 BREAK 8 MAKE 4 MAKE OTHER 1 BREAK #SW-BC1323 RE-MOVED 60¢

1 SIDE 2 MAKE OTHER SIDE 2 BREAK 2 MAKE SW-EE-2 35¢ TCK#404 GE#P7763503-2 50¢ 1 SIDE DPDT NC & DPDT NO.

PUSH-TO-TEST

PUSH-TO-TEST INDICATORS. DOUBLE LAMP HOLDERS WITH MINIATURE BAYONET BASE. 2 1/2" x 1 1/2" x 1/2". KORRY ST-260 SCREW TERMINALS OR TYPE 260 WITH SOLDER TERMINALS. AVAILABLE WITH THE FOLLOWING INSCRIPTIONS:
 POWER - AIR CONDITIONING-IGNITER - POWER SUPPLIES-ERECTOR - 100% LIQ OXY
 PRICE: \$2.00EA

PUSH-TO-TEST INDICATOR WITH MINIATURE BAYONET SINGLE LAMP HOLDER. 2 1/2" x 1 1/2" x 1/2". KORRY ST-136 SCREW TERMINALS OR TYPE 136 WITH SOLDER TERMINALS. AVAILABLE WITH THE FOLLOWING INSCRIPTIONS:

LOW - OVERLOAD - MALF. - POWER ON
 PRICE: \$1.25EA

PUSH-TO-TEST INDICATOR WITH MINIATURE SCREW BASE. PED 7/16" DIA. SMOOTH JEWEL. 0" TO 1/4" SURFACE CLEARANCE. REQUIRES 1/8" HOLE TO MOUNT. 1 5/8" LONG. USED.
 VM-500-2 \$.59EA

INDICATOR LITE ONLY KORRY TYPE 103, 5/8 SINGLE HOLE MTG. PUSH-ON RED PLASTIC CAP. PLASTIC BODY.
 #6210-299-5167 75¢ EA.

PUSH-TO-TEST INDICATOR WITH MINIATURE BAYONET DOUBLE LAMP HOLDER. 2 5/8" x 1 1/16" x 5/8" WITHOUT LAMP COVER. COVERS NOT AVAILABLE. NEW. KORRY TYPE 261 WITH SOLDER TERMINALS
 PRICE: \$1.00EA

INDICATOR LIGHT WITH MINIATURE BAYONET DOUBLE LAMP HOLDER. 2 1/2" x 1 1/2" x 1/2". INSCRIPTIONS WITH "CHECK FULL RPM". NEW. KORRY TYPE 204 SOLDER TERMINALS.
 PRICE: \$.75

BULLS EYE PILOT LIGHTS

DULL FINISHED BRASS, BAYONET BASE, AND 0" TO 1/2" SURFACE CLEARANCE. ALL USED. LESS BULBS. PRICE: \$.39EA

- B. PIL001. 7/16" CLEAR JEWEL. SINGLE CONTACT MINIATURE BASE. 2-1/8"x7/8"
- D. LH62RY2. 1/2" DIA. AMBER JEWEL. SINGLE CONTACT MINIATURE BASE. 2 1/2"x1"

GRIMES INDICATOR LIGHT WITH ROUND LENS CAP; RED LENS, SUB-MIN. 28V. BULB INCLD. 7/16" THREADED BASE; SINGLE CONTACT. 1 1/2" x 1 1/2"
 6220-333-5827 \$.50



PILOT LIGHT JEWELS

RED, FACETED, 1/2" DIA. JEWEL. SCREWS INTO 1/16" DIA. HOLE OF DESIRED ASSEMBLY.
 TYPE 81 \$.15 EA.

SMOOTH RED JEWEL 1/2" IN DIAMETER. SCREWS INTO A 3/8" ASSEMBLY.
 SERIES F \$.15 EA

LARGE 5/8" FACETED AMBER JEWEL. SLIPS OVER BRACKET 7/8" IN DIAMETER. HAS ALSO MOUNTING HOLES FOR 3/32" SCREWS.
 225368/1 \$.15 EA

3/8" DIA. WHITE SLIP-IN LAMP CAPS FOR SWITCHBOARDS. (NOT PICTURED) SLIPS INTO 3/8" HOLE.
 4C1971 \$.15 EA 100/\$10

SUB-MINIATURE PILOT ASSEMBLY. 5/16" AMBER FACETED JEWEL FIT INTO BRACKET WITH AN OPENING OF 5/16". REQUIRES DOUBLE TERMINAL PLUG-IN OR SOLDER-IN NEON LAMPS. 1" LONG AND 1" HIGH.
 PILO10 \$.15 EA 8/\$1.00



SUB-MINIATURE NEON PILOT LIGHT ASSEMBLY. FLUTED 5/16" DIA. CLEAR JEWEL. BASE IS FEMALE PART FOR A THREE PRONG PLUG WITH 1/16" DIA. HOLES IN ISOSCELES TRIANGLE PATTERN. MOUNTS IN 3/8" HOLE. 0" TO 3/8" SURFACE CLEARANCE. 1 3/8" LONG. INCLUDES BULB. USED. 110V.
 PIL007 \$.25 5/\$1.00

SINGLE TERMINAL AND CONTACT SUB-MINIATURE DIMMER PILOT LIGHT. MECHANICAL DIMMER VARIES SIZE TO COMPLETE DARKNESS. REQUIRES T-1 1/2 BULB. 5/16" DIA. SMOOTH RED JEWEL. MOUNTS IN 7/16" HOLE. 1 3/8" LONG. LESS BULB. NEW.
 6210-643-4087 \$.59

PILOT LIGHT WITH SINGLE CONTACT, MINIATURE BAYONET BASE. CLEAR STOVEPIPE, SMOOTH 5/8" DIA. JEWEL. MOUNTS IN 1/16" HOLE. SURFACE CLEARANCE IS 0" TO 3/8 2 1/8" LONG. LESS BULB. USED.
 PIL008 \$.39

ALL PLASTIC PILOT LIGHT. SINGLE CONTACT, MINIATURE SCREW TYPE BASE. RED FLUTED, COVER-LIKE JEWEL 1/2" IN DIAMETER. NEEDS 3/4" HOLE. SURFACE CLEARANCE OF 0" TO 1/4". THERE IS NO ADJUSTING INSTALLATION DEPTH BY A NUT
 TWO 3/32" SCREWS ARE NEEDED TO ANCHOR LIGHT. 1 1/2" LONG. LESS BULB. USED.
 PIL009 \$.39



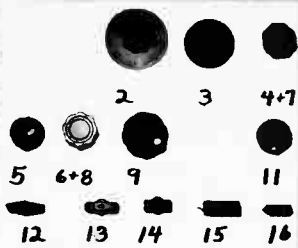
PILOT LIGHT WITH SINGLE CONTACT, CANDELABRA SCREW BASE. LARGE 1" DIA. RED JEWEL FACETED ONLY AT THE EDGE. REQUIRES 1" HOLE AND HAS SURFACE CLEARANCE OF 0" TO 1/2". 2 3/8" LONG. LESS BULB. UNUSED.
 PIL002 \$.59

PILOT LIGHT WITH SINGLE CONTACT, CANDELABRA SCREW TYPE BASE. 1" DIA. RED-FACETED JEWEL. MOUNTS IN 1" HOLE WITH SURFACE CLEARANCE OF 0" TO 1/2". 2 1/2" LONG. LESS BULB, UNUSED.
 PIL003 \$.59

PILOT LIGHT WITH SINGLE CONTACT, MINIATURE BAYONET BASE. 1/2" DIA. SMOOTH. GREEN JEWEL. MOUNTS IN 5/8" HOLE WITH A SURFACE CLEARANCE OF 0" TO 1/4". 2 1/16" LONG. LESS BULB, UNUSED.
 PIL004 \$.49



PUSH BUTTON SELECTOR SWITCH, 6-BUTTON EACH NORMALLY CLOSED, MAKE ONE EACH SIDE. 5 1/2" x 1" FRONT MTG. PIECE. MOUNTS INTO 4" x 3" x 5" D AREA. WITH TERMINAL BOARD. UNUSED \$3.95EA.



FLUTED KNOBS

2-3/8" FLUTED KNOB W/3" SKIRT, BRASS INSERT FOR 1/2" SHAFT GR#9682 \$1.00

2-3/8 FLUTED KNOB W/2-7/8 SEMI SKIRT, INSERT FOR 1/2" SHAFT. GR#9566 \$1.00

1 1/2" DIA. FLUTED KNOB WITH REMOVABLE 3/4" DIAL WITH MARKING 34L-0-34R. BRASS INSERT FOR 3/16 DIA. SHAFT. KNBNO02 \$.25

1" DIA. FLUTED KNOB WITH 2 1/2" NON-LINEAR CALIBRATED DIAL. BRASS INSERT WITH 1/2" DIA. HOLE. KNB003 \$.25

1 1/2" DIA. FLUTED KNOB WITH POINTER, BRASS INSERT FOR 1/2" SHAFT. KNBNO04 EA \$.25, 5/\$1.00

1 1/2" DIA. FLUTED KNOB WITH SKIRT AND POINTER. BRASS INSERT FOR 1/2" SHAFT. KNBNO05 \$.25

1 1/2" FLUTED KNOB WITH BRASS INSERT FOR 1/2" SHAFT. KNBNO06 \$.25

1" DIA. FLUTED KNOB WITH POINTER, BRASS INSERT FOR 1/2" SHAFT. KNBNO07 \$.25

1" DIA. FLUTED KNOB WITH BRASS INSERT FOR 1/2" SHAFT. KNBNO08 \$.25

ALL THE ABOVE KNOBS ARE OF SET SCREW TYPE.

SPIN KNOBS

2" DIA. METAL FLUTED SPIN KNOB FOR 5/32" SHAFT. KNBNO09 \$.79

2 1/2" DIA. SPIN KNOB. METAL. TAKES 3/16" SHAFT. #8089 NEW \$2.00

METAL SPIN KNOB 1 5/8" DIA. TO BE ATTACHED TO ANOTHER KNOB OR DISK BY THREE SCREW. CONVERTS KNOB TO SPIN KNOB. KNBNO11 \$.20

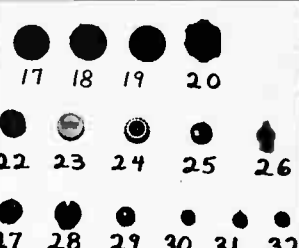
1 1/2" DIA. PLASTIC, FLUTED SPIN KNOB. TAKES 1/2" SHAFT. #0389 NEW \$1.25

1-1/8" DIA. PLASTIC FLUTED KNOB WITH LOCKING DEVICE. BRASS INSERT TAKES 5/16" SHAFT. #4692 NEW \$1.00

1-5/8" DIA. PLASTIC KNOB WITH 2 1/2" DIA. ALUMINUM SKIRT, CALIBRATED 0 TO 10. BRASS INSERT FOR 1/2" SHAFT. #9414 NEW \$1.50

1-1/8" DIA. FLUTED PLASTIC KNOB WITH 1 1/2" DIA. SKIRT. BRASS INSERT FOR 1/2" SHAFT. #9347 NEW \$.50

1" DIA. PLASTIC KNOB WITH 1 1/2" DIA. SKIRT. CALIBRATED ALPHABETICALLY A, B, ... Y, Z. SKIRT ALUMINUM. 1/2" HOLE. #5312 NEW \$.50



BAR TYPE KNOBS

BAR TYPE BAKELITE KNOB FOR 1/2" SHAFT 1 1/2" x 5/8" SET SCREW TYPE. KNBNO12 \$.25

BAR TYPE BAKELITE KNOB FOR 1/2" SHAFT WHICH MUST BE TAPED FOR SET SCREW. 1 1/2" x 5/8". KNBNO13 \$.25

RECTANGULAR BAR TYPE BAKELITE KNOB 1 1/2" x 5/8". WITH BRASS INSERT FOR 1/2" SHAFT. SET SCREW TYPE. KNBNO14 \$.25

BAR TYPE BAKELITE KNOB WITH POINTER. FOR 1/2" SHAFT TAPED FOR SET SCREW. 2 1/2" x 1 1/2". KNBNO15 2/\$.25

BAR TYPE BAKELITE KNOB WITH POINTER. FOR 1/8" SHAFT TAPED FOR SET SCREW. 1 1/2" x 5/8" x 1/2". KNBNO16 \$.25

BAKELITE BAR TYPE KNOB 1" x 1 1/2" x 1/2" ON 1/2" REMOVABLE DIAL FOR 1/2" SHAFT. SET SCREW. KNBNO17 \$.25

1 1/2" DIA. METAL KNOB FOR 1/2" SHAFT WITH TWO SET SCREWS. FINGER GRIP KNOB FOR HEAVY SWITCHING APPLICATIONS. KNBNO18 2/\$.35

1 1/2" DIA. PLASTIC KNOB WITH BRASS INSERT. BAR TYPE FINGER GRIP FOR SWITCHING. USE WITH 1/2" SHAFT. KNBNO19 \$.25

1 1/2" BAKELITE KNOB FOR USE WITH 1/2" SHAFT. USED FOR APPLICATIONS WHERE EXTRA GRIP IS REQUIRED. 1 1/2" HIGH. KNBNO20 \$.25EA. 5/\$1.00

3/4" RIBBED KNOB 7/8" DEEP 1" SKIRT FOR 1/2" SHAFT DULL BLK. KNB7820 35¢

5/8" x 3/4" SAME AS ABOVE BRIGHT BLK. KNB1261 20¢

BAKELITE INSTRUMENT KNOB 1" DIA. 1" HIGH. BRASS INSERT FOR 1/2" SHAFT AND SET SCREW. KNBNO22 \$.25

1 1/2" KNOB MARKED "INCREASED OUTPUT". 1/2" HOLE WITH SET SCREW. 1 1/2" THICK. METAL. KNBNO23 \$.25

1 1/2" PUSH-ON KNOB FOR 1/2" SHAFT. MODIFICATION, BROWN KNBNO24 2/\$.25

BROWN BAKELITE 1" DIA. KNOB KNURLED SHAFT OF 1 1/2". 1/2" HIGH. KNBNO25 2/\$.25

BAKELITE POINTER KNOB WITH BRASS INSERT FOR 1/2" SHAFT. 1 1/2" x 1 1/2" x 1/2". KNBNO26 \$.25

FLUTED KNOB W/ POINTER AND SKIRT FITS 1/2" SHAFT. 1 1/8" DIA. 1/2" THICK. KNBNO27 \$.25

1 1/2" DIA. KNOTCHED KNOB WITH BRASS INSERT FITS 1/2" SHAFT. SET SCREW TYPE. 1 1/2" HIGH. KNBNO28 3/\$.25

MINIATURE LAMPS

STK#	TYPE	V.	A.	BASE	BULB	EA	PKG.	10
225950	LM-50	2	.25	MIN SC.	G-6	.20		.75
225950	511	2	.25	MIN SC.	G-6	.20		.75
68521	LM-21	1.10	400	MED S6C.	G-30	.50	4.00	
	(LM-21 P/O SIGNAL LAMP EQUIPMENT EE-80)							
6240-6594	LM-41	110	6W	CAN SC. #8		.20		1.50
626806.6	TSB7	6-8	15CP	CAN/BAY S-8CL		.35		3.00
626806.8	TS1129	6-8	21CP	CAN/BAY S-8CL		.35		3.00
8870-775		150		CAN SC. 6S6 CL		.20		1.00
225954	LM-54	105-125		LEADS	T-2	.20		.75
626812-5	LM-45	12-16	.6	CAN BAY	G-6	.20		.75
6240-7126		55	5W	MED SC.	S-14	.25		2.00
DE EVRY494	(RED)	125	25W	CAN SC.	T-6	.25		2.00
626812-5	LM-44	12-16		DC BAY	G-6	.20		.75
PC90615C		12		MIN SC	G-3 1/2	.20		.75
6240-3394	3S6/5	115		DC BAY	T-4 1/2	.25		1.75
	502	5	.15	MIN SC.		.20		.75
626812-6	STANDARD LAMP	12		VOLT FROSTED		.35		3.00
	PR-10	6						
	480	22	.55	MIN SC.	G-6	.30		2.00
225882		18	.11	MIN SC.	T-3 1/2	.20		1.00
626827	LM-30	27		CAN BAY	T-8	.20		1.00
	NE-2	1/17		AMP 2F SLIDE BASE		.10		.75
	4C5491-K1			K1 SLIDE BASE		.10		.75
GE# 5F001	4 WATT FLUORESCENT LAMP, 5-3/8" LONG, TERMINAL TO TERMINAL							\$.25 EA. 24 FOR \$3.
GE #4550	28 VOLT 250 WATT, 7" DIAMETER, PRICE: \$3.00 EA.							
GE PAR 64/WFL	115 VOLT 500 WATT WIDE FLOOD LAMP, 8" DIAMETER							\$6.50 EA.

SEALED BEAM

DYNAMOTOR TESTER



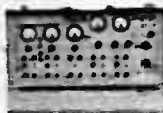
TS-414 DYNAMOTOR TESTER
THIS EQUIPMENT PROVIDES A MEANS OF TESTING DYNAMOTORS OF SEVERAL TYPES UNDER LOAD CONDITIONS. PROVISION IS MADE FOR THE MEASUREMENT OF INPUT VOLTAGE, INPUT CURRENT, OUTPUT VOLTAGE, OUTPUT CURRENT AND OUTPUT RIPPLE VOLTAGE OF BOTH SINGLE AND MULTIPLE OUTPUT DYNAMOTORS. METERS; INPUT D.C.V.; INPUT AC VOLTS RMS; DC OUTPUT CURRENT; DC OUTPUT VOLTS
POWER REQUIRED: 14/28 VDC, 50 AMPS.
SIZE: 27x21x17; Wt. 100 LBS. \$35.00



STARK TUBE CHECKER 9-66 OR DYNAMIC MUTUAL CONDUCTANCE TYPE DESIGNED TO PROVIDE EITHER REPLACE-GOOD READINGS OR MUTUAL CONDUCTANCE VALUES IN MICROHMS OF VACUUM TUBE USED IN RECEIVERS & TRANSMITTERS. WITH PROVISIONS FOR LOCATING SHORTS & LEAKAGE BETWEEN ELEMENTS ALSO NOISE TEST. ROLLER TYPE CHART FOR TUBE SETTINGS. NEW CHARTS CAN BE OBTAINED FROM MFG. WHEN NECESSARY.
SOLD LESS CHART USED "AS-IS" \$25
SIZE: 18x17x8; WT: 45 LBS.



TS-35/AP SIGNAL GENERATOR
USED FOR THE TESTING AND GENERAL MAINTENANCE OF RADAR EQUIP. PRODUCES SIGNALS, CW OR PULSED INTERNALLY OR EXTERNALLY SYNCHRONIZED, OF KNOWN FREQUENCY AND POWER. USED TO MEASURE THE FREQUENCY AND AVERAGE POWER OF RADAR TRANSMITTER SIGNALS, AND TO PRODUCE FM SIGNAL FOR DETECTION OF DEFECTS IN RADAR EQUIP. WILL MEASURE SIGNAL TO NOISE RATIO, TRANSMIT RECEIVE RECOVERY TIME, FREQUENCY PULLING, AFC OPERATION AND BANDWIDTH. FREQUENCY RANGE: 8700-9500 MC; POWER SUPPLY 115V±10% 50-1200 CYCLES
SIZE: 9x9x14, Wt: 35 LBS.
PRICE: USED, \$39.95



PP-351/U POWER SUPPLY; PORTABLE POWER UNIT PROVIDING REGULATED DC POWER FOR TESTING COMMUNICATION EQUIP. AN/PRC-6, 8, 9 & 10; SCR-510 & 610; AND RECEIVER-TRANSMITTER BC-1000.
INPUT: 115/230V. 2.6/1.3 AMPS, 50/60 CYCLES
OUTPUT, A₁: .9 TO 1.8 VDC @ 0 TO 1.5 AMPS
A₂: .9 TO 1.8 VDC @ 0 TO 1 AMP AND 2.5 TO 8.6 VDC @ 0 TO 1 AMP
B₁ & B₂: 22.5 TO 150 VDC @ 0 TO 100 MA.
C₁: 0 TO 22.5 VDC @ 0 TO 1 MA.
INCLD. INPUT CABLE AND OUTPUT CABLES FOR PRC-6; PRC-8,9,10; SCR-510, 610; AND BC-1000
SIZE: 25x11x14; WT: 150 LBS. USED \$49.50

OSCILLOSCOPE



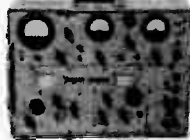
TS-34A/AP OSCILLOSCOPE, SMALL PORTABLE UNIT WITH 2A1 CRT. BANDWIDTH: 30 HZ TO 1 MHz. RISE TIME: 0.25 TO 30,000 U-SEC.
SWEEP TIME ADJUSTABLE IN THREE RANGES FROM 10 TO 50,000 HZ. INPUT IMPEDANCE 62 OHMS OR 430,000 OHMS PARALLELED BY 12 MMF. INPUT VOLTAGE SENSITIVITY 10 TO 100 VOLTS AT 40 DB. EXTERNAL CONNECTION POSSIBLE TO ONE VERTICAL AND BOTH HORIZONTAL PLATES. WITH TUBES 4/6AK5, 2/6AG7, 2/6SL7, 6SN7, 5Y3, 6X5 AND 2A1. POWER REQUIRED: 115 VAC 50 TO 1200 HZ. SIZE: 20x9x8 SHPG. WT: 40LB
PRICE: USED, REPARABLE \$39.95 CHECKED \$49.95

ECHO BOX

TS-172 ECHO BOX 1215-1370 MHZ, USED TO FIELD TEST RADAR SETS. CONSISTS OF A HIGH "Q" RESONATOR EXCITED BY MEANS OF LOOP THAT IS CONNECTED TO THE SET BY MEANS OF A R.F. CABLE. AN AUXILIARY LOOP IS CONNECTED TO A POWER METER WHICH SERVES AS THE TUNING INDICATOR. A SLIDE CHART IS MOUNTED ON THE FRONT IN ORDER TO DETERMINE THE RING TIME OF THE EQUIPMENT. SHIPPED IN CARRYING CASE
SIZE: 19x17x17; WT: 75 LBS.
PRICE: USED \$49.95 UNUSED \$65.00 MANUAL \$7.50



MULTI-PURPOSE TEST SET



AN/TRM-1 SIGNAL GENERATOR AND POWER METER. 0.19-400 MHZ AM; DESIGN TO PROVIDE PERFORMANCE MEASUREMENTS ON RECEIVERS AND TRANSMITTERS SUCH AS PERCENT MODULATION, POWER OUTPUT, AND CARRIER LEVEL SHIFT. CONSISTS OF TWO RF OSCILLATORS; SG-32 AND SG-33, 30-400 MHZ MODULATED INTERNALLY 0-60% 1000 HZ OR EXTERNALLY 200-6000 HZ. EACH HAS A NINE STEP FIXED ATTENUATOR 2.5-100000 uV, 50 OHM IMPEDANCE. ALSO VOLT/MW METER; DCV, 3,30,300,600 @ 20K uV. ACV: 3,30,300 @ 5K uV. MW, 10,100,1000 200-6000 HZ; INPUT IMP 300 OHMS. RF WATTS 3-100 OVER RANGE 0.19-400 MHZ THROUGH THE USE OF CU-413 AND CU-220 COUPLER WHEN USED WITH APPROPRIATE DUMMY LOAD (NOT AVAILABLE). AN/TRM-1 w/CU-220, CU-413, POWER CABLE. POWER REQUIRED 115V60 HZ, SIZE 18x13x8, SHPG WT65 LBS. PRICE: USED REPARABLE \$250.00 USED CHECKED \$300.00
ACCESSORIES FOR AN/TRM-1. QUANTITY LIMITED
MX-1652 ANTENNA SIMULATOR, REC \$5.00
MX-2079 TEST ADAPTER 50 OHM 5.00
CN-399 FIXED ATTENUATOR 6 DB 5.00
CN-287 FIXED ATTENUATOR 12 DB 5.00
CX-3049 SPECIAL PURPOSE CABLE 5.00
CX-3884 OSCILLATOR EXTENDER CABLE 5.00

FR-72 TUNED CAVITY

PORTABLE RINGING CAVITY USED FOR TESTING THE OVERALL PERFORMANCE OF RADAR EQUIPMENT SUCH AS POWER OUTPUT & FREQUENCY SPECTRUM. THE ECHO BOX CONTAINS A PRECISE-DIMENSIONED, SILVER-PLATED RESONANT CAVITY THAT OPERATES AS A SHARPLY TUNED CIRCUIT IN WHICH INDUCTANCE AND CAPACITANCE ARE TUNED TO RESONANCE AT THE FREQUENCY MEASURED. FREQ. RANGE 8500 TO 9000 MEGAHERZ. A 3" RD. 0-20 MICROAMMETER IS USED TO INDICATE PART OF THE STORED ENERGY. POWER IS OBTAINED FROM THE UNIT UNDER TEST. SUPPLIED WITH IN-238 CRYSTAL DIODE, UG-446/U ADAPTER AND 8 FOOT COAXIAL CABLE.
SIZE: 16x26x14 WT: 45 LBS. UNUSED \$19.95



TS-62 ECHO BOX & CAVITY PORTABLE SELF-CONTAINED MANUALLY TUNED TEST SET USED FOR CHECKING RADAR EQUIPMENT IN THE 9320-9420 MHZ RANGE. IT WILL DETERMINE THE FREQ. OF CW, MCW OR PULSED SIGNALS, MEASURE THE RELATIVE OUTPUT ON 0-20 3" MICROAMMETER, DETECT DOUBLE MODING OF MAGNETRONS AND GIVES SIGNAL-TO-NOISE RATIO OF REC. ANTENNA PICK-UP ASSY. WITH CABLE PROVIDED.
SIZE: 6x18x11; WT: 15 LBS. USED \$9.95

1-61 TEST SET FOR TRANSMISSION MEASURING

PORTABLE BATTERY OPERATED UNIT USED TO MEASURE LOSS OR GAINS IN CIRCUITS OR APPARATUS. AUDIO OSCILLATOR FREQUENCIES OF 500, 1000 AND 2500 CYCLES WITH LEVELS OF -40DBM, -20 DBM OR 0 DBM INTO A 600 OHM LOAD, THE RECEIVING AMPLIFIER IS CALIBRATED TO MEASURE LEVELS FROM A 600 OHM SOURCE BETWEEN -50 DBM & 15 DBM IN STEPS OF 0.5 DBM OVER THE FREQUENCY RANGE OF 100 TO 10,000 CYCLES 0 DBM IS ONE MILLIWATT IN 600 OHMS.
UNIT ALSO CONTAINS A EE-88 FIELD TELEPHONE, BATTERY OPERATED ASSY. WITH A TS-9 HANDSET. AND BE PURCHASED WITHOUT THIS ASSEMBLY. COMES IN WOOD CARRYING CASE 18x10x11, WT: 47LB
PRICE, COMPLETE WITH TELEPHONE ASSY & TS-9 USED \$29.95 RE-NEW \$39.50
LESS TEL. ASSY " 19.95 " 29.50



MD-34/ARA-8 MODULATOR KEYING UNIT

AUTOMATIC HOPPING KEYING ASSY. THAT OPERATES FROM 24 VDC MOTOR THAT IS CONNECTED TO A WORM GEAR WHICH ACTUATES THE CODED WHEEL THAT INTERRUPTS THE SIGNAL AND TRANSFERS FROM ONE ANTENNA TO ANOTHER. ALSO HAS RELAY AND THREE SO-239 TYPE COAX. CONN. CAN BE USED AS A REMOTE ANTENNA CHANGE-OVER. SIZE: 3x10x4; WT: 5 LBS.
PRICE: USED..... \$1.95



TS-730 SUMMATION BRIDGE WATTMETER USED TO MEASURE R.F. OUTPUT IN THE 1000 TO 4000 MC RANGE. EMPLOY A DIRECT READING CIRCUIT IN WHICH A BOLOMETER ACTS AS ONE ARM OF A D.C. WHEATSTONE BRIDGE AT THE SAME TIME PROVIDING THE CORRECT RESISTIVITY TERMINATION FOR RADIO FREQ. POWER ENTERING THE WATTMETER. POWER INPUT 5 MW TO 5 WATTS. INPUT IMPEDANCE 50 OHMS. METERS 3" 0-50 RELATIVE POWER AND CENTER SCALE BALANCE. WITH TUBES 2/5651, 6AU6, 6AS7G & 5Y3GT. POWER REQ. 115 V. 50-1600 CYCLE.
SIZE: 13x14x11; WT: 19 LBS.
PRICES: LESS ATTENUATOR KIT BUT AS ILLUSTRATED LESS CARRYING CASE \$14.95 WITH ATTENUATOR KIT AND CARRYING CASE 35.00



MA-1 RANGE SERVO TEST SET USED FOR TESTING AND TROUBLE SHOOTING AIR FORCE TYPE "A" SERIES RANGE SERVOS. SPECIFICALLY, TEST PROVIDES MEANS OF MEASURING THE VARIOUS OPERATING VOLTAGES OF THE RANGE SERVO UNDER TEST AND LOCALIZING THE TROUBLE WITHIN A RADAR GUNSIGHT SYSTEM. CONTAINS 3" 50 MICROAMMETER WITH 0-60 0-150 SCALES IN RED FOR ACV & 0-50/500 VDC SCALE IN BLK. SELECTOR SWITCHES, INDICATOR LIGHTS AND FOUR GORN CONNECTORS 12M & 12F WHICH ARE MALE & FEMALE 12 CONTACT ALSO CABLE WITH MATCHING DETACHABLE PLUGS.
SIZE: 10x10x7; IN ALUMINUM CASE. WT: 18 LBS.
PRICE: RE-NEW \$15.00



AN/URM-35 SIGNAL GENERATOR 4450 TO 8000 MHZ ON SINGLE BAND. GENERATES CW OR PULSE-MODULATED SIGNALS. PULSE WIDTH: 3.5 U-SEC @ 0.5 U-SEC @ 50% PEAK AMPLITUDE; RISE TIME 0.35 U-SEC. POWER OUTPUT: 0 TO -100 DBM CONTINUOUSLY VARIABLE. RF OUTPUT IMPEDANCE 50 OHMS; VIDEO OUTPUT TERMINATING IMPED. 50 OHMS RESISTIVE. POWER REQUIRED: 115 VAC, 380 TO 1000 HZ.
SIZE: 15x17x11; WT: 45 LBS.
PRICE: USED, REPARABLE \$49.50

WAVEMETER

FR-91/U WAVEMETER, PORTABLE UNIT USED TO MEASURE MICRO-WAVE SIGNALS BETWEEN 1800 AND 2800 MHZ, CW, AM, FM, PULSED OR NARROW-BAND. DESIGN ACCURACY 0.02%. POWER SENSITIVITY: 1 MW. TUNING SENSITIVITY BETTER THAN 0.03%. INTERNAL MICROMETER WITH ADJUSTABLE SENSITIVITY; MAY ALSO BE USED WITH SCOPE OR VTVM. WITH CALIBRATION CHART. POWER REQUIRED: NONE.
SIZE: 10x6x13 WT: 13 LBS. USED \$34.95



TS-238/TS-207 ECHO BOX WITH 3" RD. 0-200 MICROAMMETER AND CRYSTAL ADAPTER FOR RF ENERGY. ECHO BOX IS A RESONANT-CAVITY DEVICE DESIGNED TO SIMPLIFY THE TUNING AND CHECKING OF RADAR BY PROVIDING AN ARTIFICIAL OR "PHANTOM" TARGET WHICH MAY BE USED IN TUNING THE RECEIVER TO THE TRANSMITTER IF NO REAL TARGETS ARE AVAILABLE. PROVIDES A CLEAR, STEADY ECHO OF KNOWN CHARACTERISTICS WHEN SUCH AN ECHO IS NOT OBTAINABLE FROM NEARBY GROUND TARGETS. REQUIRES UG-21 COAX. CONN. 11x15x7 15 LBS. \$15.00 UG-21 COAXIAL CONNECTOR FOR ABOVE UNIT 75¢.



I-129 FREQUENCY METER ABSORPTION TYPE; DESIGNED TO MEASURE RADIO FREQUENCY FROM 1.5 TO 41 MC. CONSISTS OF FOUR FREQUENCY INDICATING ASSEMBLIES, THAT CONSISTS OF A COIL VAR. CAPACITOR AND DIAL, AND IS USED TO INDICATE THE FUNDAMENTAL FREQ. OF AN R.F. SOURCE. IT MAY ALSO BE USED TO DETERMINE THE ORDER OF A HARMONIC CRYSTAL OSCILLATOR, FREQ. DOUBLER OR QUADRUPLER. THE RANGES ARE 1.5-4 MC, 4-11 MC, 10-20 MC & 19-40 MC. NO VOLTAGE IS REQUIRED FOR OPERATION. CARRYING CASE SIZE: 12x5x3; WT: 8LBS. U \$25.00

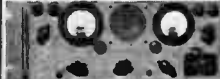
AN/FGC-5 TELEGRAPH



CV 94/FGC 5 TELEGRAPH CODE CONVERTER, RECEIVING GROUP ACCEPTS THE SIGNAL CODE COMBINATION, MOMENTARILY STORES AND GENERATES THE PROPER SIGNAL TO BE SENT ON TO THE START-STOP CIRCUIT, INCLUDES 6 INPUT SIGNAL LAMPS, MONITOR SELECTOR, OUTPUT JACKS FOR MONITOR SCOPE TRIGGER AND PRINTER, 3/4" METER 100-0-100 MA DC W/TUBES 9/12AU7, 3/12AT7 & 13/5663 & MERCURY RELAY. RACK MTG. 19x7x13; wt: 22 LBS. USED \$14.95



0-100/FGC-5 SIGNAL DISTRIBUTION DRIVE RECEIVING SUPPLIES DRIVING IMPULSES TO SIGNAL DISTRIBUTOR RECEIVING SECTION WHICH ARE CRYSTAL CONTROLLED FREQ. OF APPROX. 101.25 KC. W/ START-STOP INTERVAL, FOUR CHANNEL SELECTOR & 3/4" CORRECTION METER 5-0-5 0-1 MA MOVEMENT W/TUBES 12/12SN7 & 2/6SJ7 USED \$14.95



C-621/FGC-5 CONTROL MONITOR RECEIVING GROUP DECOUPLES AND AMPLIFIES SIGNAL WITH PROVISION FOR MONITORING W/SPEAKER & 3/4" METERS 0-100 MA DC. & 0-1 MA MOVEMENT & SCALE 0-200 FOR READING MULTIPLEX DRIVE AND WPM. W/TUBES 8/6SN7, 1/6SL7, 2/6V6 & 1/2B23. REQUIRES 225 VDC AND 6.3 VAC. USED \$17.95



TT-64/FGC-5 RECEIVING SIGNAL DISTRIBUTOR ACCEPTS THE AMPLIFIED MULTIPLEX SIGNAL FROM THE CONTROL MONITOR; DETECTS THE PATTERN, INVERTS TO NORMAL AND SENDS PROPER CODE COMBINATIONS TO CONVERTERS. W/TUBES 12/12AU7, 4/12AT7, 10/5663, 2 PUSH SWITCHES FOR IMPULSE & CHANNEL PHASING & MONITOR SELECTOR. RACK MTG. 19x7x13; 22LBS, USED \$12.95



CV-81/FGC-5 TELEGRAPH CODE CONVERTER TRANS. CIRCUITS FOR ACCEPTING & DETECTING START-STOP SIGNALS FROM 1 CIRCUIT STORING THE FIVE ELEMENT CODE COMBINATIONS AND TRANSFERRING THE STORED SIGNALS TO POSITIONS ARE USED BY THE TRANS. SIG. DIST. IN THE MULTI. CIR. WESTON 301 DC MA, 100-0-100, 30 TUBES, 19/5663, 5/12AT7, 5/12AU7 & 1/3B23. VOLTAGE REQ. 6.3 VAC, 115 & 225 VDC. SIZE: 19x7x13; WT: 23 LBS. USED \$14.95



0-101/FGC-5 SIGNAL DISTRIBUTOR DRIVE TRANSMITTER GROUP SUPPLIES TIMED DRIVING IMPULSES TO THE TRANSMITTER DISTRIBUTOR, CRYSTAL OSCILLATOR 101.25 KC IN OVEN, AMPLIFIER CIRCUIT USES TUBES 6/6SN7, 1/6SJ7; 7 POSITION SWITCH FOR FREQ. & FAC. SEL. VOLT. REQ. 6.3 AC.-115 & 225 VDC. 19x7x13; 15 LBS. USED \$9.95



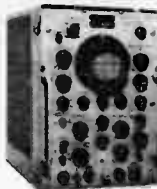
C-620/FGC-5 CONTROL MONITORING TRANS. GROUP AMPLIFIES SIGNALS FROM TRANS. SIG. DIST., COUPLES OUTPUT TO MULTIPLEX TRANS. CIR. NECESSARY CONTROL SWITCHES & LIGHTS TO DO THIS. ALSO WESTON METERS 301, 3/4" 0-100 MA DC. AND MULTIPLEX DRIVE FREQ. METER CALB. CYC. PER SEC. 60 & 75 WPM. 0-1 MA DC. BASIC. FS. W/TUBES 5/6SN7, 2/6V6, VOLTAGE REQ. 6.3 VAC, 115 VDC & 225 VDC. W/SCHEMATIC. 19x7x13; WT: 23 LBS. USED \$17.95



TT-58/FGC-5 TRANSMITTER SIGNAL DISTRIBUTOR CONTAINS CIRCUITS WHICH FORM THE MULTIPLEX TELEGRAPH SIGNAL, THE PATTERN BEING DETERMINED BY THE CODE SIGNALS SET UP IN THE PARTICULAR TEL. CODE CONVERTERS IN USE. IT CONTAINS A CRYSTAL OSCILLATOR, SUBDIVIDED, AMP. CIR., IND. LAMP AND SW. TO CONNECT CONTROL MONITOR FOR OSCILLOSCOPE VIEWING. WITH TUBES 19/12AT7 & 10/5663. VOLTAGES REQ. 6.3 VAC., 115 & 225 VDC. 19x7x13; WT: 15 LBS. USED \$14.95

CONNECTOR PLUGS FOR THE ABOVE \$1.50 EA.

OS-57 OSCILLOSCOPE



OS-57/USM 38 OSCILLOSCOPE WITH 3" CRT, GENERAL PURPOSE UNIT FOR TESTING ELECTRONIC EQUIPMENT. SINE WAVE FLAT 3 DB 10 HZ TO 6 MHZ; SQUARE WAVE LESS THAN 10% TILT FROM 50 HZ POWER SOURCE. INPUT IMPEDANCE: 1 MEGOHM PARALLEL 35 MMFD. SWEEP TIME: 1 TO 100M μ -SEC/INCH, CONTINUOUSLY ADJUSTABLE. TRIGGERED OR PERIODIC SWEEP; TIMING MARKERS SYNCHED WITH SWEEP AT 1, 10 AND 100 μ -SEC. TRIGGER PULSE OUTPUT: 100 V. PEAK, 1.5 U-SEC PULSE WITH RISE TIME OF 0.5 μ -SEC; REPETITION RATE CONTINUOUSLY VARIABLE FROM 40 TO 5000 PER SEC. CALIBRATION: 0 TO 1 VOLT PEAK TO PEAK LINE FREQUENCY FLAT-TOPPED WAVE. WITH TUBES: 3WP1, 6/12AT7, 2/12BY7, 7/6H6, 6X4, 5R4, 12Z, 2/OA2, 5/5814, 2/5726, AND 5718. POWER REQUIRED: 115 VAC 50-400 HZ. SIZE: 9x13x16 WT: 36 LBS. PRICE: USED, REPARABLE \$65.00 CHECKED \$85.00 PROBES FOR USM-38: CATHODE FOLLOWER \$5.00 DETECTOR \$5.00 MANUAL FOR USM-38 SCOPE: \$7.50

OSCILLOSCOPE

AN/USM-50 OSCILLOSCOPE

WITH 3ADP1 CATHODE RAY TUBE AND 15 MHZ BANDWIDTH, RISE TIME, FROM 0.022 U-SEC TO 30,000 U-SEC. SWEEP TIME CONTINUOUSLY ADJUSTABLE FROM 0.17 TO 37,500 U-SEC WITH SWEEP DELAY THAT ALLOWS 10% OF SWEEP LENGTH TO BE EXPANDED 10 TIMES FOR SWEEPS GREATER THAN 5 U-SEC. TRIGGER PULSE FROM 10 TO 10,000 HZ WITH 0.15 U-SEC RISE TIME. TIMING MARKERS SYNCHED AT 0.2, 1, 5, 20, 100 500 AND 2000 U-SEC. VERTICAL INPUT IMPEDANCE: 1 MEGOHM SHUNTED BY 40 UUF FOR ALL ATTENUATOR POSITIONS HORIZONTAL IMPED: 1 MEGOHM SHUNTED BY 30 UUF INPUT VOLTAGE: 0.03 TO 90 VOLTS PEAK INPUT SENSITIVITY: 10 MV/CM-RMS CALIBRATION: 1 KHZ ADJUSTABLE 20 TO 200 μ V. EXTERNAL CONNECTIONS POSSIBLE TO BOTH THE VERTICAL PLATE AND THE HORIZONTAL AMPLIFIER. POWER REQUIRED: 115 VAC 50 TO 1000 HZ SIZE: 15x19x16 1/2 WT: 80 LBS. LESS PROBES PRICE: USED, REPARABLE \$75.00 USED, CHECKED \$100.00



SCOPE ACCESSORY



TS-433/U SQUARE WAVE GENERATOR-SIGNAL AMPLIFIER AND ELECTRONIC SWITCH ALLOWS SIMULTANEOUS VIEWING OF TWO RECURRENT PATTERNS ON AN OSCILLOSCOPE BY PROVIDING TWO INDEPENDENT TIME BASES. MAKES DIRECT

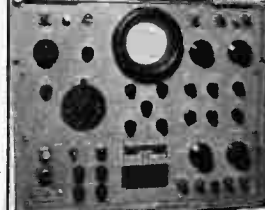
COMPARISON OF WAVE CHARACTERISTICS POSSIBLE. SQUARE WAVE VOLTAGE WITH VARIABLE FREQ. AND AMPLITUDE AVAILABLE AT THE OUTPUT TERMINALS. ALSO DIRECT COUPLED AMPLIFIERS DESIGNED FOR CHOPPING A DC SIGNAL. SWITCHING RATE CONTINUOUSLY VARIABLE FROM 10 TO 2000 HZ; SQUARE WAVE GENERATOR FROM 10 TO 500 HZ. AMPLIFIER VARIABLE TO 30 VOLTS PEAK. FREQUENCY RESPONSE UNIFORM FROM 0 TO 5000 HZ. INPUT IMPEDANCE: 100K OHMS, OUTPUT 50K OHMS. POWER REQUIRED: 115/230 VAC 50/60 HZ. SIZE: 15x13x18 WT: 20 LBS. USED, \$24.95



I-152(.) INDICATOR; USED WITH BC-788 ALTIMETER FOR INDICATING HEIGHT OVER TERRAIN IN AIRCRAFT WITH 3DP1 CATHODE RAY TUBE (SAME SOCKET/SHIELD AS 3BP1 TUBE AND OTHER TYPES) ALSO TUBES 3/6AG5 AND 2X2. HAS R.F. CIRCUIT, POTENTIOMETERS, 115 V. 400 CYCLE POWER

SUPPLY ETC. (WILL MAKE GOOD FOUNDATION FOR A MONITOR) SIZE: 6 1/2x6 1/2x12; WT: 9 LBS. PRICE: USED \$8.95 SCHEMATIC \$1.00

OSCILLOSCOPES

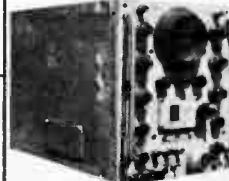


USM-24 OSCILLOSCOPE WITH 3WP1 C.R. TUBE. SINE WAVE RESPONSE, FLAT WITHIN -3DB FROM 2 CYC TO 8 MC. TRANSIENTS RESPONSE .04 MIC ROSEC. RISE, POLARITY POSITIVE UPWARD AND NEGATIVE DOWNWARD DEFLECTION, RECURRENT SWEEP 8CYC PER. SEC. TO 600 KC., TRIGGERED SWEEP 1.25 TO 125 MICRSEC., VERT. DEF. SENSITIVITY .035, HORIZ. DEFLEC. 4.0V, HORIZ. RESPONSE .5 CYC PER SEC. TO 700 KC. VERT. RESPONSE 4 CYC PS. TO 10MC. BEAM MOD. RESPONSE 50 CYC PS. TO 10 MC. HORIZ. INPUT IMP. 300,000 OHMS, BEAM MOD. INPUT RESISTANCE. 56,000 OHMS SIGNAL AMPLIFICATION IS UNIFORM OVER A WIDE FREQ. RANGE. A CALIBRATING GENERATOR FOR ACCURATE MEASURE. OF INSTANT. VALUES OF SIGNAL, WITH CHOICE OF 5 TIME MARKERS. ALL OPERATING CONTROLS AND CONN. ARE ON THE FRONT PANEL. INPUT AND OUTPUT CONNECTIONS USE RCN CONNECTORS. POWER REQUIRED 115 VOLT 50 TO 1600 CYC. SIZE: 15x17x16; WT: 55 LBS. SHPG. WT: 65 LBS. SOLD AS "COMPLETE, NOT CHECKED WITHOUT GUARANTEE TO THE LIFE OF THE POWER TRANSFORMER. PROBES AND OTHER ACCESSORIES EXTRA." PRICE: OS-26/USM-24 "AS-IS" \$39.50 OS-51/USM-24C "AS-IS" \$49.50 PROBES: CG-883. 10:1 ATTENUATOR \$7.50 EA

ADAPTERS UG-924, -255, -274, -273 \$1.00 EA

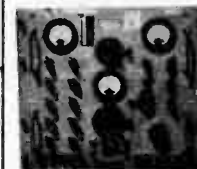


TV-10 TUBE TESTER USED TO TEST AND MEASURE THE PERFORMANCE CAPABILITIES AND TO DETERMINE REJUNCTION LIMITS FOR ELECTRON TUBES USED IN RECEIVERS AND MANY OTHER TYPES OF ELECTRONIC EQUIPMENT. THE TESTS MADE ARE FOR DYNAMIC MUTUAL CONDUCTANCE, EMISSION, SHORTS, GAS, NOISE. ROLL CHART PROVIDES TEST SET UP DATA. HAS TEST SOCKETS FOR LOCAL, OCTAL, 4,5,6,7 PIN, NORVAL 9,7 PIN MINATURE, SUB-MINI, RD AND FLAT AND ACORN. POWER REQUIRED 115V 50-1000 HZ SIZE 18x10x7 SHPG WT 30 LBS USED REPARABLE \$40.00 USED CHECKED \$50.00 USES SAME ADAPTERS AS TV-7

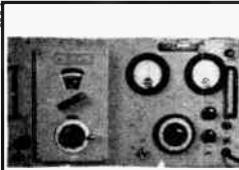


OS-4/USM-25 OSCILLOSCOPE GENERAL PURPOSE UNIT DESIGNED TO PORTRAY A LUMINOUS PLOT OF VOLTAGE AGAINST A TIME BASE. SERVES AS A AUX. RANGING UNIT, PRECISION TEST OSCILLOSCOPE AND CALIBRATOR CAN BE USED WITH RADAR SYSTEMS TO INCREASE THE

ACC. IN RANGING, EXTEND THE RANGE SCALE AND PROVIDE ACC. CRYSTAL CONTROL MARKERS ALSO EXPANDED, DELAYED OR UNDELAYED SWEEPS. VIDEO AMP. SENS. MIN. .5 V PK-PK W/CRY. PROBE 5.0 V. DIR. TO VERT. DEF. 43 TO 52 VOLTS. FREQ. RESPONSE AMPL. 1 DB 50 CPS AND 5 MCPS PULSE RESPONSE RISE TIME LESS THAN .1 MICRSEC. DELAY TIME, LESS THAN .2 MICROSEC., INPUT IMPEDANCE AMPL. 1 MEGOHM, SYNCHRONIZING CRYSTAL CONTROL MARKERS 10 MICROSEC. AND 50 MICRO SEC. INTERNAL IMP. 56 OHMS., SIGNAL DELAY TIME .60 SEC. WITH TUBES 3WP1 CR AND 22 OTHER TUBES. POWER REQ. 115 V. 50 TO 1000 CYCLES. SIZE: 11x17x9; WT: 40 LBS. PRICE: USED REPARABLE \$39.50 CHECKED \$55.00




AN/USM-16 SIGNAL GENERATOR 10-440 MHZ CW, AM, FM, PM SWEEP FREQUENCY REGENERATOR AN OUTPUT OF 0.1 μ -VOLT TO .224 VOLT IS AVAILABLE FROM 10-440 MHZ. OSCILLATOR IS FREQUENCY AND AMPLITUDE STABILIZED. SWEEP RANGE IS 0 TO - 75 KHZ, 750 KHZ, 7500 KHZ. A 1-30 μ SEC DURATION 50 TO 5 KHZ PULSE IS AVAILABLE FOR PULSE MODULATION OR AN OUTPUT SEPARATELY. CRYSTAL CALIBRATOR FOR ACCURATE FREQUENCY CALIBRATION- COMPLETE DATA ON REQUEST W/ SASE SHPG. WT: 150 LBS. SIZE 20 x 19 1/2 x 17 1/2. POWER REQUIRED 115V 50-400HZ PRICE: USED FUNCTIONAL CHECKED-NOT CALIBRATED \$350.00 USED REPARABLE \$265.00



TS-497B/URR SIGNAL GENERATOR, 2 to 400 MHz. IN SIX BANDS. DESIGN ACCURACY $\pm 5\%$. OUTPUT VOLTAGE CONTINUOUSLY TUNEABLE FROM 0.1 TO 100,000 MICROVOLTS. GENERATES EITHER AM OR PULSED CARRIER. INTERNAL MODULATION 400 OR 1000 HZ; EXTERNAL MODULATION 50 TO 10,000 HZ. PERCENT MODULATION VARIABLE FROM 0 TO 30 PERCENT. OUTPUT IMPEDANCE 50 OHMS. POWER REQUIRED: 115 VAC 50/60 HZ.

SIZE: $9\frac{1}{2} \times 19\frac{1}{2} \times 10\frac{1}{2}$ SHPG. WT: 65 LBS.
PRICE: USED, REPARABLE \$195. CHECKED \$225.00




GENERAL RADIO MODEL 1800-A VACUUM-TUBE VOLTMETER
A PORTABLE AND ACCURATE VTVM CAPABLE OF MEASURING ALTERNATING VOLTAGE AT FREQUENCIES UP TO SEVERAL HUNDRED MEGAHERTZ, AS WELL AS DC VOLTAGES OF EITHER POLARITY. DESIGN ACCURACY OF $\pm 2\%$. INCLUDED WITH THE UNIT IS A HIGH FREQUENCY PROBE SHIELDED AGAINST STRONG RF FIELDS.


VOLTAGE RANGES: 0.1 TO 150 VAC IN SIX SCALES: 0.5, 1.5, 5, 15, 50 AND 150. AND 0.01 TO 150 VDC IN SIX SCALES: 0.5, 1.5, 5, 15, 50 AND 150.

INPUT IMPEDANCE: AC CIRCUIT 25 MEGOHMS SHUNTED BY 4.3 UUF. CAPACITANCE; EQUIVALENT PARALLEL CAP. AT RF IS 3.1 UUF. WITH A RESONANT FREQUENCY OF 1050 MHZ. DC IMPEDANCE IS 10 MEGOHMS AND OPEN GRID. WITH TUBES 2/9003, 2/991, 6C4, 6X5, 6AT6, 6SL7, 6SU7 AND 3-4. LESS POWER CABLE (USES STANDARD AC PLUG). POWER REQUIRED: 115/230 VAC 50/60 HZ. WALNUT CASE. $7\frac{1}{2} \times 7\frac{1}{2} \times 11\frac{1}{2}$ 16 LB

PRICE: USED REPARABLE \$30.00



KB9-A 16 MM MOVIE CAMERA USED TO RECORD STRIKES BY THE MILITARY. HAS 35 MM, F3.5 KODAK EKTAR LENS; VARIABLE APERTURE FROM F3.5 TO F16. FILM SPEED: 32 FRAMES PER SECOND. FILM CAPACITY: 35 FT 16 MM FILM. CAN BE ACUTATED BY REMOTE CONTROL. POWER REQUIRED: 27 VDC FOR DRIVE MOTOR AND HEATER. RED AND YELLOW FILTERS INCLD. SIZE: $7\frac{1}{2} \times 2\frac{1}{2} \times 2\frac{1}{2}$ SHPG. WT: 5 LBS. PRICE: NEW \$24.95



TS-352 MULTIMETER, PORTABLE GENERAL PURPOSE VOLT-OHMETER. SENSITIVITY 1000 OHMS/VOLT AC-DC OR 20,000 OHMS/VOLT DC ONLY.


AC-DC VOLT SCALES: 2.5/10/50/250/500/1000 VOLTS.

DC AMP SCALE: 250 UA/2.5 MA/10 MA/50 MA/100 MA/500 MA/2.5-10 AMPS.

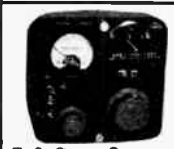
RESISTANCE SCALE: Rx1/x10/x100/x1000/x10,000 OHMS

WITH FOUR INCH METER FS=50 U-AMPS. JACK FOR 5000 VDC @ 20K OHMS/VOLT. WITH TEST LEADS. USES THREE 4 1/2 VOLT AND ONE 1/2 VOLT BATTERIES.

SIZE: $1\frac{1}{2} \times 11 \times 10$ WT: 23 LBS.
PRICE: USED, REPARABLE \$29.95. CHECKED \$39.95




AG3 AUDIO GENERATOR, MFG. IN CANADA BY MEASUREMENT ENGINEERING. 35 HZ TO 35 KHZ IN THREE RANGES. FREQUENCY RESPONSE FLAT WITHIN ± 1 DB FROM 35 HZ TO 15 KHZ. POWER OUTPUT 1 WATT INTO 500 OHMS; OVER 25 VOLTS ON OPEN CIRCUIT. WITH TUBES 6SJ7, 6SF5, 6K6, 6V6 AND 5U4. POWER REQUIRED: 115 VAC 60 HZ. SIZE: $18 \times 14 \times 8$ SHPG. WT: 60 LBS.
PRICE: USED, COMPLETE, NOT CHECKED \$40.00



GENERAL RADIO TYPE 874 VI VOLTMEETER INDICATOR; MEASURES RECTIFIED DC OUTPUT OF CRYSTAL DIODES, RF DIODES, AND CALIBRATES THE CRYSTAL AT THE APPLIED LEVEL VOLTAGE

FREQUENCY RANGE 60 HZ TO 7.0 GHZ. CALIBRATING VOLTAGE ACCURACY: 0.1 TO 2.0 V. CRYSTAL CURRENT 0-200 U-AMPS. INCLUDES 2 1/2" 0-200 MICROAMMETER, DIRECTLY CALIBRATED DIAL, AND SCHEMATIC. POWER REQUIRED 115/230V. 50-60 HZ. AC. SIZE: $5\frac{1}{2} \times 5\frac{1}{2} \times 3\frac{1}{2}$ WT: 6 LBS. PRICE: UNUSED \$24.95

DIGITAL COUNTER

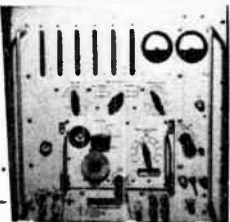


NORTHEASTERN ENGINEERING MODEL 14-20C FREQUENCY COUNTER WITH 8-PLACE NIXIE DIGITAL DISPLAY. FREQUENCY RANGE 10 HZ TO 10.1 MHZ WHICH CAN BE EXTENDED TO 1000 MHZ WITH THE PROPER PLUG-IN FREQUENCY CONVERTER. TIME PERIOD: 10 U-SEC TO 1:0 MILLION SEC. INPUT IMPEDANCE: 1 MEG-OHM SHUNTED BY 40 UUF.

ALSO COUNTER DESIGNED TO BE USED AS A SECONDARY FREQUENCY STANDARD FROM 10 MHZ TO 0.1 HZ WITH A CRYSTAL-CONTROLLED 1 MHZ OSCILLATOR. HOWEVER, THE 1 MHZ OSCILLATOR IS NOT AVAILABLE. COUNTER USES PLUG-IN UNITS INTERCHANGEABLE WITH FR-38 AND HEWLETT-PACKARD 524 SERIES COUNTERS. PLUG-INS SOLD SEPARATELY. POWER REQUIRED: 115 V. 50-400 HZ

SIZE: $19\frac{1}{2} \times 19 \times 17\frac{1}{2}$ SHPG. WT: 110 LBS.
PRICE: USED, LESS 1 MHZ OSCILLATOR, \$95.00
PLUG-INS \$50.00 EA. WHEN PURCHASED W/COUNTER

COUNTER, 8 DIGIT READOUT, DC TO 10 MHZ, CAN BE EXTENDED TO 500 MHZ WITH PROPER PLUG IN. USED, NOT CHKD \$195. (PLUG-INS LISTED BELOW) " CHECKED \$225.



FR-38 FREQUENCY METER AND COUNTER; GENERAL PURPOSE UNIT SIMILAR TO HEWLETT-PACKARD 524B. USED TO MEASURE FREQUENCY AND TIME INTERVALS. FREQ. RANGE: 10 HZ. TO 10 MHZ; CAN BE EXTENDED WITH PROPER PLUG-INS TO 510 MHZ. TIME INTERVAL: .001 SEC. TO 10 SEC. CAN BE EXTENDED FROM 1.0 U-SEC TO 100 DAYS WITH PROPER PLUG-IN. FR-38 CONSISTS OF A SIGNAL GATE, A TIME BASE SECTION, A GATE SECTION AND 6-DECADE COUNTER. RECEIVES CW OR PULSED. ACCURACY @ 1 TO 3000 HZ .03%; @ 3000 HZ TO 10 MHZ .001%. POWER REQUIRED: 115V AC 50-1000 HZ. SIZE: $19\frac{1}{2} \times 19 \times 18\frac{1}{2}$ WT: 125 LBS.
PRICE: USED, REPARABLE \$125.00 CHECKED \$175.

COUNTER, 6 DECADE READOUT, SIMILAR TO FR-38, USES SAME PLUG-INS AS OTHER COUNTERS, PLUG-INS LISTED BELOW.

PRICES: USED, REPARABLE \$150 CHECKED \$225.00

COUNTER PLUG-INS FOR DIGITAL OR NUMERICAL READOUT. HP OR EQUIVALENT TYPE WILL BE SHIP

HP-525A 10-100 MHZ \$75.00
HP-525B 100-200 " \$90.00
HP-525C 100-500 " \$175.00

DISCOUNT 25%, WHEN PURCHASING ABOVE COUNTERS ALSO.

DIGITAL

DIGITAL TEST INSTRUMENTS: VOLTMETERS, MULTIMETERS, ETC. ALL 115 VAC 60 HZ. SOLD AS "USED, COMPLETE-REPARABLE; LESS TEST LEADS."

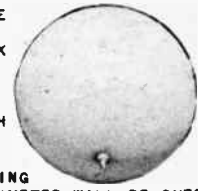
CUBIC V41 DC VOLTMETER; 0-999.9 VDC WITH SCALERS 1, 10, 100, AND 1000 VDC. SEPARATE DISPLAY AND CONTROL COMPONENTS. \$85.00

ELECTRO-INSTRUMENTS

MODEL 848 MULTIMETER; 0-999.9 VDC, WITH RATIO POSITION; SINGLE COMPONENT. \$100.00
MODEL 851 MULTIMETER; 0-999.9 DC AND AC VOLTS; OHMS TO 1 MEG. \$135.00
MODEL 880 MULTIMETER; 0-999.99 VDC, WITH RATIO POSITION; SINGLE COMP. \$110.00


NON-LINEAR SYSTEMS

MODEL 64 DC VOLTMETER; 0-499.9 VDC WITH SCALERS 10, 100 AND 500 VDC. \$75.00
MODEL V64 DC VOLTMETER; 0-999.9 VDC WITH SCALERS 10, 100 AND 1000 VDC. \$90.00
MODEL M24 VOM; 0-999.9 VDC AND OHMS TO ONE MEG. DISPLAY AND CONTROL COMP. \$115.00
MODEL M24-B AC-DC VOLTMETER; 0-999.9 AC AND DC VOLTS; DISPLAY AND 264F CONVERTER UNIT. \$115.00
MODEL M25 VOM; 0-999.99 VDC AND OHMS TO 10 MEG. DISPLAY AND CONTROL COMP. \$130.00



M-278 BALLOON; USED TO RAISE THE ANTENNA OF THE CRT-3 RESCUE TRANSMITTER WHEN LACK OF WIND DOES NOT PERMIT THE USE OF THE M-357 KITE. THE BALLOON IS MADE OF NEOPRENE AND IS SUPPLIED IN A CAN WITH A KEY FOR OPENING. WHEN INFLATED BY MEANS OF THE HYDROGEN GENERATOR AND INFLATING TUBE, DESCRIBED BELOW, THE DIAMETER WILL BE OVER 4 FEET. HAS 2 CORD LOOPS FOR ATTACHING ANTENNA AND RUBBER CORK STOPPER. SHPG. WT: 2 LBS.
PRICE: \$4.95

M-278 BALLOON WITH M-315 HYDROGEN GENERATOR AND INFLATING TUBE.....\$10.00



M-315 HYDROGEN GENERATOR; USED TO INFLATE THE M-278 BALLOON. COMES IN A STEEL CYLINDER FILLED WITH LITHIUM HYDRIDE; OPERATED BY IMMERSION IN WATER; KEY AND TONGUE ON EACH END FOR OPENING CYLINDER


REQUIRES INFLATING TUBE FOR USE WITH BALLOON.
SHPG. WT: 8 LBS.

M-315 HYDROGEN GENERATOR ONLY..... \$6.95
M-315 " " INFLATING TUBE 1.50
W-147/CRT-3 ANTENNA WIRE; CADMIUM-COPPER ALLOY 16 STRANDS X .040 MAX. DIA. 65 LB. TEST 306 FT. LG. WOUND ON POOL $2\frac{1}{2} \times 2\frac{1}{2}$. SHPG. WT: 1 LB \$2.95

M-308 SIGNAL LAMP LIGHT ASSEMBLY; 24 VOLT LAMP IN BAKELITE BASE WITH CLEAR POLYSTYRENE SHIELD WITH WEB STRAPS FOR STRAPPING TO HEAD. SIZE $3 \times 2\frac{1}{2} \times 95$ " CORD FOR PLUGGING INTO TRANS. 4 oz. \$1.50


M-390 PARACHUTE; YELLOW NYLON 12 FT. DIAMETER, 40 LB. CAPACITY, 16 NYLON SHROUDS 11 FT. LG. USED TO DROP RESCUE TRANSMITTER AND ACCESSORIES. UNUSED, NOT IN DROP PACK. SHPG. WT: 2 \$9.95

T-74/CRT-3 TRANSMITTER WITH ACCESSORIES \$75




SG-376-A AUDIO AND RF SIGNAL GENERATOR USED TO TEST SSB RADIO EQUIPMENT AND CONSISTS OF TWO VARIABLE FREQUENCY AUDIO OSCILLATORS AND TWO DUAL FREQUENCY IF OSCILLATORS INDEPENDENT OF EACH OTHER, FREQ RANGE 20-20KHZ IN STEPS 1HZ FROM 20-100HZ 10HZ FROM 100-1000HZ, 100HZ FROM 1000 TO 10 KHZ, AND 200HZ FROM 10KHZ TO 20KHZ, ACCURACY 1% THE IF FREQUENCIES AVAILABLE ARE 497.5KHZ, 498.5KHZ, 501.5KHZ, 502.5KHZ, CRYSTAL CONTROLLED 0.01% AF OUTPUT 2 TO 2.5 VOLTS ATTENUATED UP TO 100DB, OUTPUT IMPEDANCE 600 OHM. THE AUDIO OSCILLATORS AND EITHER PAIR OF THE RF OSCILLATORS MAY BE MIXED FOR USE AT THE SAME TIME TO TEST SSB COMMUNICATIONS EQUIPMENT. CAN BE REMOVED FROM CASE FOR RACK MOUNTING. TRANSISTORS: 12/2N526, 6/2N1309, 1/2N297, 1/2N404. POWER REQUIRED 115VOLT 47.5 TO 450 HZ 15 WATTS $5\frac{1}{2} \times 11 \times 19$ SHGWT 35 LBS

MANUAL \$7.50 USED REPARABLE \$175.00
USED CHECKED \$225.00



TS-375/U VOLTMETER FOR AC OR DC VOLTAGES. AC RANGES ARE 1.2, 3, 12, 30 AND 120 VAC WITH FIVE MEGOHM RESISTANCE SHUNTED BY FIVE MMF. DC RANGES ARE 1.2, 3, 12, 30, 120 AND 300 VDC WITH CONSTANT INPUT RESISTANCE OF 30 MEGOHMS. FREQUENCY RANGE IS FROM 40 HZ TO 50 KHZ USING THE PANEL TERMINALS AND 10 KHZ TO 150 MHZ WITH THE PROBE. WITH AC AND DC PROBES. POWER REQUIRED: 115 VAC 50-1600 HZ. SIZE: $10\frac{1}{2} \times 10\frac{1}{2} \times 6\frac{1}{2}$ WT: 21 LBS.
PRICE: USED, REPARABLE \$25.00 CHECKED \$35.00



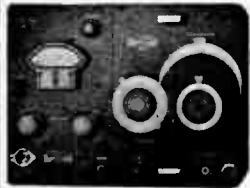
I-95 FIELD STRENGTH METER, 100 TO 156 MHZ CONTINUOUSLY TUNABLE; ORIGINALLY DESIGNED FOR USE WITH SCR-522 EQUIPMENT. RELATIVE FIELD STRENGTH INDICATED ON A 2 1/2" ROUND 0 TO 1.0 DC MILLIAMMETER. WITH 16 1/2" TELESCOPING ANTENNA AND ZERO-ADJUST.

MODULATION FREQ. 1000 HZ. VOLTAGES REQUIRED 45 VDC AND 1.5 VDC. SIZE: $7\frac{1}{2} \times 7\frac{1}{2} \times 8$ WT: 7 LBS.
PRICE: USED, \$19.95

MICROWAVE GENERATOR



TS-147/UP MICROWAVE SIGNAL GENERATOR
 PORTABLE UNIT DESIGNED TO TEST AND ADJUST RADAR, BEACON AND MICROWAVE COMMUNICATION SYSTEMS OPERATING IN THE FREQUENCY RANGE OF 8500 TO 9600 MC. PROVIDES EITHER FM OR CW TEST SIGNALS OF KNOWN POWER LEVEL AND FREQUENCY. THIS UNIT CONTAINS A DIRECT READING FREQUENCY METER AND POWER LEVEL METER WITH POWER REFERENCED TO ONE MILLIWATT (DBM). USED TO MEASURE FREQ. AND POWER LEVEL OF THE INPUT AND OUTPUT SIGNALS. SPECTRUM WIDTH, FREQ. CHANGE, RECOVERY TIME AND STANDING WAVE RATIO. CAN ALSO BE MODULATED EXTERNALLY. OPERATES FROM 115 VOLT 50-1600 CYCLES. LESS CABLES, PLUGS, ADAPTER, PICK-UP HORN. SIZE: 11x18x12; WT: 35 LBS.
 TS-147A/UP.....\$49.50 USED
 TS-147B/UP.....60.00 USED
 TS-147D/UP.....75.00 USED



GENERAL RADIO SIGNAL GENERATOR MODEL 1021 250-920 MC
 IN ONE BAND, DIRECT READING CALIBRATION 1%, OUTPUT VOLTAGE CONT. ADJ. .5 TO 1 VOLT OPEN CIRCUIT. OUTPUT IMP. 50 OHMS 10%, AMPLITUDE MOD. ADJ. 0-50%, ENV. DIST. LESS THAN 5% AT 50% MOD. CARRIER NOISE LEVEL .2% MOD. STRAY FIELD LEAKAGE AND RESIDUAL OUTPUT VOLTAGE CANNOT BE DETECTED WITH A RECEIVER. 2-3 MV SENSITIVITY. POWER REQUIRED: 115/230 VOLT, 50-60CY. SIZE: 20x14x10; WT: 40 LBS. COND. USED PRICE: \$150.00 CHECKED FOR OPERATION \$25 EX.

ELECTRONIC MULTIMETER



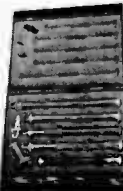
TS-505/U ELECTRONIC MULTIMETER: PORTABLE VACUUM TUBE VOLTMETER AND DC OHM-METER DESIGNED TO MEASURE AC AND DC VOLTAGES AND RESISTANCE. AC METER IS PEAK INDICATING HOWEVER, IT IS CALIBRATED TO READ RMS VOLT POWER REQ. 115 V 50-1600 CYC AND TWO 1.5 V. BATT. FOR OHMMETER SECTION. FREQ. RANGE 30 CYC TO 500 MC AC RMS VOLTS RANGES 0-2/4/10/20/40/100 & 200 DC VOLTS RANGES 0-2/4/10/40/100/200/400/1000 RESISTANCE OHMS RANGES 0-1000 MEGOHMS, 7 RANGES W/AC-DC PROBES/PROBE FOR 500 MHZ NOT AVAILABLE HANDLE IS USED FOR ADJUSTABLE STAND, EASY USE. SIZE: 11x13x13; WT: 20 LBS. PRICE: USED REPAIRABLE \$30.00, CHECKED \$40.00



MODEL 300 BALLANTINE VACUUM TUBE VOLTMETER. GENERAL PURPOSE TEST SET USED TO MEASURE AC VOLTAGES ALSO AS CAN BE USED AS A AMPLIFIER AND MICROMETER WHEN PROPERLY CONNECTED FREQ. RANGE 10-1500 CYC. VOLTAGE RANGES 0.001-.01/.1/1.0/10 & 100 DECIBEL SCALE 0-20, OUTPUT IMP. 0-15000 OHMS, INPUT IMP. 0.5 MEGOHMS SHUNTED BY 30 MMF. STABILITY 1% APPROX. DEPENDING ON LINE VOLTAGE. ACC. APPROX. 2% OVER RANGE. POWER REQ. 115 V. 50/60 CYC. SIZE: 4x5x11; WT: 13 LBS. PRICES: USED CHECKED \$39.95, REPAIRABLE \$29.50 BALLANTINE 3000 " 49.95 " 39.50 ALSO AVAILABLE MODELS 310/305/220 ETC.

A TENUATORS

MX-1309/URM-23 POWER MEASURING; KIT OF WAVEGUIDE ATTENUATORS, ADAPTER, BALOMETER, CABLE & CHART, 1000 TO 4000 MC.
 | ATTENUATOR CN-110/U 10 DB
 | " CN-111/U 20 DB (2pc)
 | " CN-168/U 3 DB
 | " CN-169/U 6 DB
 | RF BALOMETER DT-76/U, "N" CON
 | ADAPTER CONN. UG-402/U
 | COAXIAL CABLE CG-92E/U W/UG-21 EA. END.
 METAL CARRYING CASE, FITTED, SIZE: 19x5x14; WT: 32 LBS. COMPLETE SET \$18.95



BC-221



FREQUENCY METER

THIS IS A SIMPLE ACCURATE AND RELIABLE CRYSTAL CALIBRATED FREQUENCY INDICATING INSTRUMENT FOR USE IN THE 125 TO 20,000 KC RANGE, WITH A NORMAL OPERATING ACCURACY OF LESS THAN .02%. CAN ALSO BE USED AS A SIGNAL GENERATOR OR VARIABLE FREQ. OSCILLATOR.
 OPERATING VOLTAGE REQUIRED FOR DRY CELL OPERATION 6 VDC .9 AMP. & 135 VDC 20 MA.
 SIZE: 10x13x10; WT: 25 LBS.
 UNITS MAY BE IN WOOD OR METAL CASES. VARIOUS LETTERS, COMPLETE WITH TUBES, CRYSTAL, ORIGINAL CALIBRATION BOOK. USED, REPAIRABLE \$60.00
 PRICE: USED CHECKED FOR OPERATION \$70.00

BC-221 FREQUENCY METER LESS CALIBRATION BOOK NOT CHECKED FOR OPERATION, OTHERWISE COMPLETE PRICE: \$45.00

CALIBRATOR



TS-102B/AP CALIBRATOR RANGE CALIBRATOR PORTABLE PULSE GENERATOR WITH REPEITION FREQ. OF 400, 800, 1600, 2000, & 4000, MARKER AND SYNCHRONIZING PULSE, VARIABLE DELAY LINE PHASE ADJUSTMENT. OPERATES FROM 115 V. 50-1000 CYCLES WITH TUBES 2/6X4W, 3/6AG7, 6/5814, 2/UG273/U CONN. 4 CABLES W/UG-88B/U. SIZE: 16x10x11; WT: 28 LBS. PRICE: UNUSED \$14.95

LORAN TEST SET



TS-251 LORAN TEST SET PORTABLE SIGNAL GENERATOR USED IN PRE-FLIGHT AND SHIPBOARD CHECKING OF LONG RANGE LORAN RECEIVERS. FREQUENCY RANGE 1700 TO 2010 KC PULSE SIGNAL. WITH TUBE 6J5, 6S17, 6SK7, 6SL7, 6X5 AND 6SN7. POWER REQ. 80/115/230 V. 50-1600CY SIZE: 7x11x10; WT: 30 LBS. PRICE: USED SERVICEABLE \$50.00 CHECKED \$60.

DIODE CRYSTAL CHECKER



390A-3 TEST SET CRYSTAL CHECKER FOR CERAMIC CARTRIDGE AND COAXIAL TYPES WITH NORMAL AND REVERSED POLARITIES. MINIMUM CONVERSION LOSS CAN BE PREDICTED FROM THE STATIC VOLTAGE CURRENT CURVE OF THE CRYSTAL, THEREFORE A TWO POINT DC MEASUREMENT OF VOLTAGES IS MADE OF THE CRYSTAL UNDER TEST AND THE RESULTANT DIFFERENCE IN CURRENT CALIBRATED IN MINIMUM AVAIL. CONVERSION LOSS. IN THE CALIBRATE POS. AND VARYING CONTROL ESTABLISHES THE VOLTAGE CURRENT CURVE, IN THE TEST POS. SHOWS THE INDICATED CURRENT ON THE CALIBRATED METER AS A FUNCTION OF THE MINIMUM AVAIL. CONVERSION LOSS. POWER SUPPLY ONE 1.5 VOLT BATTERY. SIZE: 8x8x5; WT: 5 LBS. PRICE: USED \$9.95

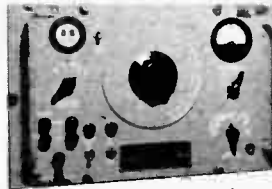
URC-4 & URC-10 TEST SET

& A.C. POWER SUPPLY

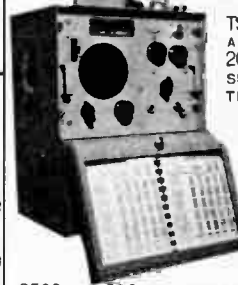


T-906 TEST SET FOR URC-4, URC-10, RT-285 AND RT-350 TRANSCEIVERS CONTROLS TO CHECK FILAMENT VOLTAGES, PLATE VOLTAGE, FILAMENT CURRENT AND PLATE CURRENT METER INDICATES WHETHER TRANSCEIVER IS PASSABLE. T-906 MIGHT ALSO BE USED AS A 115V. AC 60 HZ POWER SUPPLY FOR THE SETS. THREE TEST JIGS ARE INCLUDED FOR SPECIFIC UNITS. POWER REQUIRED 115V. 60 HZ. SIZE: 19x11x11; WT: 80 LBS. PRICE: NOT CHECKED \$35.00

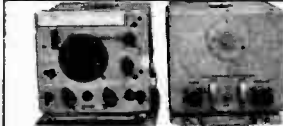
TS-382 AUDIO OSCILLATOR



TS-382 AUDIO OSCILLATOR FREQUENCY RANGE 20 TO 200,000 CPS IN FOUR BANDS, OUTPUT IMP. 1000 OHMS, AMPLITUDES CONTINUOUSLY VARIABLE 0-10 VOLTS, FREQ. RESPONSE 20 CPS. TO 150,000 CPS. APPROX. ±1 DB, FREQ. ACCURACY ±6%, STABILITY ±2%, HUM 60 DB BELOW RATED OUTPUT, ATTENUATOR ACCURACY 3% EXCEPT 10 MICRO. V. +2 OR -3 MICROVOLTS. POWER INPUT 115 V. 50-1600 CYC. OUTPUT 100 MW. WITH NINE TUBES, CALIBRATED TUNING DIAL, FREQ. RANGE SWITCH, OUTPUT LEVEL CONT. OUTPUT LEVEL ATTENUATOR, SIGNAL INPUT AND OUTPUT JACK, OUTPUT LEVEL METER, VIBRATING REED-TYPE METER USED AS AN ACCURATE CHECK OF THE OSC. CALIBRATION SIZE: 18x10x12; WT: SHPG. 75 LBS. PRICE: USED, REPAIRABLE \$60.00 CHECKED \$75.00



TS-323/UR FREQUENCY METER AND CRYSTAL CALIBRATOR, 20 TO 480 MC. PORTABLE SELF-CONTAINED CRYSTAL CONTROLLED HETERODYNE TYPE USED FOR TESTING CW, MCW AND PULSED SIGNALS. FUNDAMENTAL FREQ. RANGE 20 TO 40 MC. ACCURACY .005%, AUDIO 20 MW AT CHECK PTS. RADIO FREQ. OUTPUT 50-1000 MV. SENSITIVITY 50M MV SIG. GIVES AUDIO BEAT NOTE OUTPUT OF 10 MW. RANGE 2500 TO 500 MV. POWER REQUIRED 2 DRY BATTERIES BA-203 (6 VDC) AND 3 BA-59 (45 VDC). SIZE: 15x12x10; WT: 35 LBS. PRICE: USED REPAIRABLE \$50.00 CHECKED \$65.00 115 VOLT 60 CYCLE POWER SUPPLY \$24.95



LM-21 FREQUENCY METER WITH AC POWER SUPPLY; CRYSTAL CALIBRATED UNIT COVERS 125 TO 20,000 KHZ IN TWO BANDS. DESIGN ACCURACY BETTER THAN .02%. AM MODULATION 40% AT 500 HZ. OUTPUT VOLTAGE 250 U-VOLTS MIN. OUTPUT IMPEDANCE 600 OHMS. WITH CALIBRATION BOOK. POWER REQUIRED: 115 VAC 60 HZ. FREQUENCY METER SIZE: 8x8x8; WT: 14 LBS. POWER SUPPLY SIZE: 8x8x8; WT: 15 LBS. PRICES: USED CHECKED \$54.50 REPAIRABLE \$44.50 POWER INPUT CONN. F/LM-21 EACH 2.00 POWER SUPPLY " 2 REQUIRED " 2.00 SHOCKMOUNT \$2.50 MANUAL " 7.50

IM-120/UPM STANDING WAVE RATIO METER DESIGNED TO BE PLACED OVER 1/2" WAVE GUIDE TO DETERMINE THE STANDING WAVE RATIO OF THE WAVEGUIDE TO THE ANTENNA SYSTEM. USED WITH DIRECTIONAL COUPLER CU-245/U BUT CAN BE ADAPTED TO OTHER SYSTEMS. UNIT HAS 6/IN25 CRYSTAL DIODES AND 3" METER FOR INDICATION. ALSO INSTRUCTION MANUAL. THE CARRYING CASE IS ALUMINUM SEALED, WATERPROOF AND IS OPTIONAL. CASE SIZE 9x7x5; WT: 10 LBS. NEW PRICE: LESS CASE \$11.50 WITH CASE \$14.95

WAVE METER SCOPE OSCILLATOR

**AN UPM 1 WAVEMETER OSCILLATOR SCOPE RADAR TEST UNIT FOR 155-235MC AND 460-570MC. CONTAINS PULSE AND SWEEP GENERATOR VIDEO AMP. 3" OSCILLOSCOPE, TWO WAVEMETER TWO OSCILLATORS. POWER REQUIREMENTS: 80, 115 OR 230 VOLTS AC. 60-1000 CYCLES. SIZE: 30x21x24 WT: 150 LBS. USED \$39.50
 JIFOLE ANTENNA FOR AN/UPM- USED \$9.95**

FREQUENCY POWER METER

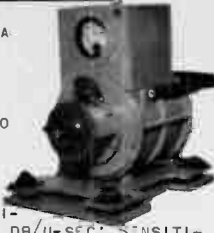
FREQUENCY POWER METER ME 51/UP FREQUENCY COUNTER CO 3999 CALIBRATED TO FREQUENCY 3100 MC TO 3500 MC. HAS 0-1.5 MA; 0-25MW METER. WITH CABLES, IN METAL CARRYING CASE. SIZE: 8x9x9; WT: 18 LBS. USED \$15.00

FR-4/J FREQUENCY METER
100 KHz to 20 MHz in seven bands; PORTABLE GENERAL PURPOSE, HETERODYNE TYPE UNIT USED TO MEASURE AND CALIBRATE RECEIVERS AND TRANSMITTERS. A BLINKER LIGHT IS USED FOR MAKING ACCURATE ZERO-BEAT SETTINGS. CW RECEPTION. OSCILLATOR FREQUENCIES: 100 to 250 KHz (PROXY), 1250 KHz (CRYSTAL), 10 KHz (BLOCKING) AND 15 to 20 KHz (INTERPOLATION). WITH BUILT-IN OSCILLOSCOPE FOR INTERPOLATION. AUDIO POWER OUTPUT 2 MW MIN. ACROSS 600 OHMS. STABILITY .0001%, ACCURACY .001%. 115/230 V AC 50 to 1000 HZ. SIZE: 15 1/2 x 19 x 18 WT: 100 LBS. PRICE: USED, REPARABLE \$65.00 CHECKED \$85.00



TUNED CAVITY

TS-545/UP TUNED CAVITY
DESIGNED TO INDICATE RELATIVE POWER, OUTPUT, FREQUENCY, RESONANCE, AND GENERAL EFFECTIVENESS OF A RADAR SYSTEM; RECEIVES AND TRANSMITS FROM 1150 TO 1350 MHz PULSED. RESONANCE INDICATED BY NEEDLE DEFLECTION OF 3" ROUND 0 to 100 DC MICROAMMETER FREQUENCY READ FROM VERNIER-TYPE DIAL. DECAY: 3.5 DB/U-SEC; SENSITIVITY: 1 DB POWER LOSS FOR 50 YARDS RING-TIME POWER REQUIRED: NONE. SIZE: 11 1/2 x 8 x 9 1/2 SHPG. WT: 40 LBS. PRICE: USED, \$49.50
TS-270 SIMILAR TO ABOVE 2630-2970 MHz \$39.95



AN/URM-32 FREQUENCY METER: 125 KC TO 1000 MC IN THREE RANGES, CAN ALSO BE USED AS A SIGNAL GENERATOR WHICH PROVIDES A CHOICE OF MODULATED OR UNMODULATED SIGNALS FOR TESTING AND CALIBRATING RADIO EQUIPMENT. SENSITIVITY WITH AN RF OUTPUT OF .05 MW MINIMUM IS OBTAINED. ACCURACY .01%, RF 100 UV MINIMUM ACROSS EXTERNAL 50 OHM RESISTIVE LOAD. FIVE TUBE HETERODYNE TYPE, POWER REQ. 6 VDC 1 AMP. 180 VDC 25 MA., DRY BATTERY OR AC SUPPLY CAN BE USED. METER IS USED TO READ P.S. VOLTAGES. W/CALIBRATION BOOK SIZE: 13 1/2 x 12 x 1 3/4 WT: 29 LBS. PRICE: USED, CHECKED, \$125.00; URM-32 WITH 115 v. 60 HZ. POWER SUPPLY, \$150.00



FR-6/U FREQUENCY METER
100 to 500 MHz, HETERODYNE TYPE COMPRISING VARIABLE TUNED INTERPOLATION OSC. ADDED TO A FIXED HARMONIC CRYSTAL OSCILLATOR. THIS METHOD ELIMINATES UNWANTED HARMONICS. AN LC TYPE AUDIO-MODULATOR MODULATES THE FILTERED AMPLIFIER IF SIGNAL AND THE AUDIO IS FED INTO THE HEADPHONE JACKS. RECEIVES CW; FUND. FREQ. RANGE 4.166-4.34 STANDARD FREQ. AVAILABLE 4.0 MHz. STABILITY .0001%, ACCURACY .001%. WITH CALIBRATING SCALE, USES BNC CONNECTORS. REQUIRES 115/230V 50 to 1000 HZ. SIZE: 12 1/2 x 19 x 15 WT: 60 LBS. PRICE: USED, REPARABLE \$65.00 CHECKED \$85.00

FR-5/U FREQUENCY METER; SIMILAR TO FR-6 EXCEPT 10 to 100 MHz. A FEW AVAILABLE. PRICE: USED, REPARABLE \$65.00 CHECKED \$85.00

F.M. SIGNAL GENERATOR

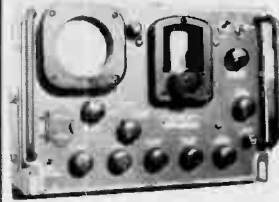
SG-12 SIGNAL GENERATOR
F.M. 20 to 100 MHz IN 5 BANDS, 9 CRYSTAL I.F. OUTPUTS, 1.4, 2.5, 5, 2.65, 2.88, 4.3, 4.45, 5.00, 5.35 15.0 PLUS 2 SPARES. RF MOD. 1000 HZ INTERNAL FM, 100-20,000 HZ EXTERNAL FM. DEVIATION, INTERNAL 0-100 KHz 3 RANGES RF MOD. CAL. 1MHz IN 20-50 MHz, 2 MHz 50-100 MHz. EXT. MOD. 8 v. SINE, IMPEDANCE 600 OHMS. R.F. SIG. OUT. .05 to 10,000 MICRV. I.F. .5 to 1,000,000 MIC/V. CAL. MULTIPLIES 10 GENERATOR LOAD IMP. 80 OHMS RF, 250 OHMS I.F. ACCURACY .5% DIRECT READING IF. OUTPUT METER CAL. IN MICROVOLTS. POWER REQ. 115v. 50/60CY. SIZE: 12x18x12; 75 LB. REP. \$75. CHECKED \$100



TS-148 SPECTRUM ANALYZER

TS-148/UP SPECTRUM ANALYZER; 8470 to 9630 MHz. PROVIDES VISUAL INDICATION OF RF OSCILLATOR SPECTRA. MAY ALSO BE USED TO MEASURE FREQUENCIES OF RESONANT CAVITIES, ECHO BOXES, MAGNETRONS AND LOCAL OSCILLATORS IN FREQ. RANGE. RECEIVES CW AND PULSED; TRANSMITS CW AND FM CARRIER WAVE. CONTINUOUSLY VARIABLE SWEEP FREQ. FROM 10 to 30 CYCLES. MAX. SPECTRA DISPERSION 1.5 MHz PER INCH. SENSITIVITY TO CW (SPECTRUM AMPLIFIED POSITION) -80 DB BELOW 1 WATT/IN. DEFLECTION; SENSITIVITY TO CW (SPECTRUM POS.) 55 DB BELOW 1 WATT/IN. DEFLECTION. ONE MILLIWATT POWER OUTPUT. WITH FREQ. METER, FREQ.-SWEEP RF OSCILLATOR, CRYSTAL MIXER, NARROW BAND I-F

WITH TUBES 2K25, 2X2, 3BP1, 5R4, 6AC7, 6SA7, 6Y6, 3/6SJ7, 3/6SN7, 884 & 4/991. Pow. Req. 115v 60c SIZE: 19 x 3 1/2 x 2 1/2; WT: 45 LBS. PRICE: TS-148/UP USED \$39.50 UNUSED \$49.50
AN/UPM-33 COMPLETE SPECTRUM ANALYZER CONSISTING OF TS-148/UP DESCRIBED
ABOVE PLUS ACCESSORY WAVEGUIDES, CABLE TRANSIT CASE, AND MANUAL. USED \$70.00 UNUSED \$80.00



SWEEP GENERATOR

AN/TRM-3 SWEEP GENERATOR
PROVIDES CW, AM, OR FM SIGNALS HAVING BAND WIDTHS FROM 600 KHz TO 160 MHz AT CENTER FREQUENCIES IN THE RANGE 15 to 400 MHz. USED TO TEST, CALIBRATE AND ALIGN RF TUNED CIRCUITS. RF OUTPUT 0.1 VOLT TO .1 VOLT INTO 50 OHMS. FREQ. MARKER SPACINGS 0.2, 1.5, 20MHz, FM SWEEP DEVIATION -2% TO -20% OF CENTER FREQUENCY. STEP TYPE VERTICAL ATTENUATOR 0 to 60 DB IN SEVEN RANGES. POWER REQUIRED 103 to 126 VOLTS 50-1000 HZ. SIZE 17x17x13 SHPG WT: 120 LBS. USED REPARABLE \$300.00 USED CHECKED \$375.00
ACCESSORIES FOR AN/TRM-3
DA-138 50 OHM DUMMY LOAD \$7.50
MX-1983 91 OHM TO 50 OHM IMPEDANCE MATCHING NETWORK \$7.50
MX-1981 DETECTOR PROBE \$10.00
MX-1982 DC BLOCKING TEST ADAPTER \$5.00
CN-374 10DB 50 OHM ATTENUATOR \$7.50
CW-506 RF COUPLER DETECTOR \$10.00



400 TO 1000 MHz

TS-418/U SIGNAL GENERATOR, 400 to 1000 MHz IN ONE BAND. GENERATES AM, CW OR PULSED CARRIER. OUTPUT VOLTAGE 0.2 to 200,000 U-VOLTS INTO 50 OHMS. INTERNAL AND EXTERNAL MODULATION 40 to 4000 HZ. EXTERNAL MOD. PEAK PULSE AMPLITUDE 40 to 70 VOLTS; PULSE WIDTH 0.5 to 20 U-SEC; POSITIVE OR NEGATIVE PULSE OR SINE WAVE SYNCH. INPUT IMPEDANCE: 10,000 OHMS SHUNTED BY 115 UUF; OUTPUT IMPED.: 50 OHMS. POWER REQUIRED: 115 VAC 50 to 600 HZ SIZE: 12 1/2 x 17 1/2 x 13 1/2 SHPG. WT: 80 LBS. PRICE: USED, REPARABLE \$95.00 USED, CHECKED \$120.00



KLYSTRON POWER SUPPLY

GENERAL MICROWAVE MODEL 303 KLYSTRON POWER SUPPLY; BEAM VOLTAGE VARIABLE FROM -250 TO -400 VOLTS AT 30 to 50 MA. MAXIMUM. REFLECTOR VOLTAGE VARIABLE FROM 0 to -900 VOLTS @ 10 UA. REFLECTOR VOLTAGE INTERNALLY MODULATED AT 1000 HZ SQUARE WAVES ADJUSTABLE UP TO 110 VOLTS PEAK TO PEAK. EXTERNAL MODULATION VIA FRONT PANEL TERMINAL, 100,000 OHM IMPEDANCE. SINUSOIDAL POWERLINE FREQUENCY, VARIABLE FROM 0 to 350 VOLTS PEAK TO PEAK. POWER REQUIRED: 115 VAC 50/60 HZ. SIZE: 11 1/2 x 13 x 7 1/2 SHPG. WT: 25 LBS. WITH MANUAL (NO SCHEMATIC). PRICE: USED \$45.00



NOISE GENERATOR

RG-52 MICROWAVE MEGANODE NOISE GENERATOR WITH POWER SUPPLY. USED FOR THE MEASUREMENT OF NOISE FIGURE OR RECEIVER GAIN AND FOR THE CALIBRATION OF STANDARD SIGNAL SOURCES. FLUORESCENT GAS TUBE GIVES 8200 MHz TO 12400 MHz FREQUENCY RANGE. HAS THERMOMETER ATTACHED TO AID IN ADJUSTING THE WAVEGUIDE. THE NOISE POWER OUTPUT IS 15.8 DB. WITH AN MOUNTING FLANGE UG-39/U. POWER SUPPLY INPUT 115v. 50-60 HZ. WAVEGUIDE SIZE: 16x5 1/2 x 1 1/2 WT: 2 1/2 LBS. POWER SUPPLY SIZE: 11 1/2 x 7 x 7 WT: 15 LBS. PRICE: WAVEGUIDE W/POWER SUPPLY, UNUSED \$25.



TEKTRONIX TYPE OSCILLOSCOPE PLUG-IN UNITS FOR USE WITH TEKTRONIX OR LAVOIE SCOPE SERIES 530, 540, 550. SOLD AS "USED REPARABLE, COMPLETE". NOT TEKTRONIX.
TYPE B WIDE BAND, HIGH GAIN \$35.
TYPE D HIGH GAIN DC DIFF \$40.
TYPE E LOW-LEVEL AC DIFF \$40.
TYPE H WIDE BAND, HIGH GAIN DC PREAMP \$45.
TYPE L FAST-RISE HIGH GAIN PREAMP \$45.
ADD \$5.00 FOR TEKTRONIX MFG PLUG-INS ABOVE
TEK TYPE G WIDE BAND DC DIFFERENTIAL \$45.
TEK TYPE W HIGH GAIN DIFF DC-23 MHz EXC \$175.
TEK TYPE P OR 84 TEST UNIT EACH \$45.

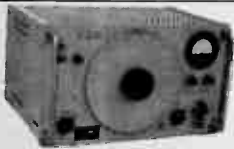


SPECTRUM ANALYZER

T-723-C SPECTRUM ANALYZER USED TO MEASURE HARMONIC DISTORTION AND NOISE LEVEL IN AUDIO AMPLIFIERS. MEASUREMENTS ARE MADE IN PERCENTAGE OR DECIBELS AND NOISE IS MEASURED IN RMS OR DB VALUES REFERRED TO 1 MW ACROSS 600 OHMS (DBM). THE SPECTRUM ANALYZER CAN ALSO BE USED AS AN AC VACUUM TUBE VOLTMETER FREQ 20-20KHZ, DISTORTION LEVELS AS LOW AS 0.3% FULL SCALE. INPUT IMPEDANCE 200,00 OHMS 40 MMF SHUNT. METER RANGES: 0.03 0.1, 0.3, 1, 3, 10, 30, 100, 300 RMS VOLTS DB -30, -20, -10, 0, +10, +20, +30, +40, AND +50 VTVM FREQ RANGE 10 to 100KHZ, VTVM INPUT IMPEDANCE 1 MEGOHM POWER REQUIRED 115/230 VOLTS 50-1000 HZ TUBES 6H6, 3/6AC7, 2/6Y5, 0D3, 4/6SJ7, 5Y3, 6Y6, 19" RACK MOUNT 10 1/2 x 12" SHPG WT: 50 LBS. USED REPARABLE \$200.00 USED CHECKED \$250.00



SG-71/FCC CARRIER TEST OSCILLATOR SIMILAR TO HEWLETT-PACKARD 233A. DESIGNED TO CHECK CARRIER CURRENT SYSTEMS; 50 HZ to 500 KHz IN FOUR BANDS. HIGH POWER OUTPUT: 3 WATTS INTO 600 OHMS BALANCED LOAD
MAKES TESTS OVER LOOPS 100 to 200 MILES LONG. SECOND OUTPUT OF 6 VOLTS INTO 600 OHMS AVAILABLE FOR AUDIO TESTS. WITH 0-50 DC VOLTMETER FOR OUTPUT; PROVISION FOR CARRIER MODULATION. POWER REQUIRED: 115/230 VAC 50-1000 HZ; SIZE: 17 1/2 x 11 x 15 WT: 45 LBS. PRICE: USED REPARABLE \$65.00, CHECKED \$85.00



TS-170/ARN-5 TEST OSCILLATOR USED FOR PRE-FLIGHT CHECKING OF GLIDE PATH RECEIVERS SENSITIVITY AND AUDIO CHANNELS. CRYSTAL CONTROLLED ON THREE PRESELECTED FREQ. 332.6, 333.8, 335 MC. MODULATION FREQ. 90 & 150 CYC. METER IS 2" 0-1 DC MILLIAMETER. BATTERIES REQUIRED 2/1.5 VDC AND 2/45 VDC. WT: 29 LBS. SIZE: 12x16x12; UNUSED \$29.50



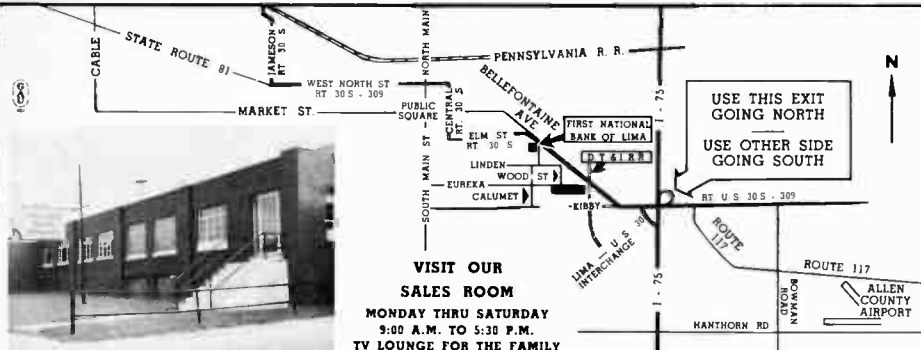
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GRAB BOX
 GRAB BOX ASSORTMENT OF NEW & USED, USEABLE ELECTRONIC ITEMS. SUCH AS PARTS, ASSEMBLIES, RESISTORS, CONDENSERS, TRANSFORMERS, CHOKES, COILS, CONTROL BOXES, CIRCUIT BOARDS, CHASSIS, MOTORS ETC. SOME OF THESE ITEMS MAY BE ON OR OFF THE ASSEMBLIES. PACKED IN CARTON AND THE WEIGHT WILL BE AT LEAST 50 LBS. A GOOD FILLER WHEN YOU ARE BUYING OTHER ITEMS AND YOU DO NOT HAVE ENOUGH WEIGHT TO MAKE THE MINIMUM MOTOR FREIGHT CHARGE OF 150 POUNDS. GRAB BOX NO. 75 50 LBS. \$6.00 100 LBS. \$10.00

BC-906 FREQUENCY METER ABSORPTION TYPE, FOR USE IN THE 160-220 MHZ. RANGE. USED TO DETERMINE THE FREQ OF CW, MCW., PULSED AND LOCAL OSCILLATORS. ALSO USED TO CALIBRATE CHECK SENSITIVITY AND ALIGN REC. IN THE FREQ. RANGE. RESONANCE IS INDICATED BY A DIP OF THE 2 1/2" 500 MICROAMMETER READING AND THE VERNIER DIAL SETTING & ASSOCIATED CHARTS IN COVER. BATTERIES REQ. 45VDC & 1.5VDC SIZE: 6 1/2 x 9 1/2 x 12 1/2; 15 LBS. USED REPARABLE \$18.95

LATE SPECIALS

- SHURE MICROPHONE MODEL 520B HIGH LEVEL CONT. MAGNETIC, 150-250 OHM IMP., WIRED FOR BAL. LINE, RECOM. WHERE LONG CABLES REQUIRED. (NO BASE) PRICE: NEW BOXED \$14.95
- R-648/ARR-41 RECEIVER 190-550 KC & 2-25 MC AIRCRAFT TYPE USING THE DIGITAL READ-OUT FOR WHICH COLLINS IS FAMOUS FOR. CAPABLE OF RECEIVING CW, AM OR FSK. PRICE: REPARABLE \$125
- EDDYSTONE RECEIVER (BRITISH) 19-165 MHZ, AM/FM/NBPM/CW, 6 BANDS, SQUELCH, 3 1/2 x 12 1/2" DIAL MODEL 770R USED \$350
- ORIEL OPTICS EQUIPMENT
 C-72-50 UNIVERSAL LAMP POWER SUPPLY
 C-60-50 LAMP 1000W, MOLDER & BLOWER
 F-11-20 MONO CHROMATOR 1900-15000A ONLY 1 EA. OF THE ABOVE, LOT \$1250
- SPECTRA-PHYSICS HE-NE (RED) LASER MODEL 132 1.0 MW TEM, 1 UNIT \$125

**JOCK MOODY
 6430 LEGION RD
 WICHITA KS 67204**

5

Clearance

EQUIPMENT OFFERED AS USED REPARABLE, NOT CHECKED FOR OPERATION. IF NOT SATISFIED EQUIPMENT CAN BE RETURNED WITHIN 5 DAYS AFTER YOU RECEIVE IT PROVIDING YOU PAY FREIGHT CHARGES BOTH WAYS.



- BERKELEY**
- 554 EPUT-METER/COUNTER \$65
 - 4904 DOUBLE PULSE GENERATOR \$125
 - 7175 DIGITAL FREQ. METER 10HZ-110MHZ \$200
 - 7150R EPUT-METER 0-500KHZ \$100
 - 7360 EPUT-METER COUNTER & TIMER \$100
 - 7370 UNIVERSAL EPUT METER 10HZ-11.5mc \$100
 - 7580 TRANSFER OSCILLATOR 7.5MHZ-15GHZ \$196
- FLUKE**
- 801R POTENTIOMETRIC DIFFERENTIAL VOLTMETER 0-500VDC \$100
 - 803 PRECISION DC-AC DIFFERENTIAL VOLTMETER \$175
 - 803R SAME AS ABOVE RACK MTG. \$195
 - 301E PRECISION DC POWER SUPPLY 1.2 TO 512 V. 0-300 MA. \$150
- TELONIC:** HD-1A SWEEP GENERATOR 400 TO 900 MHZ W/PROV. FOR FIXED MAR. \$100
- " SPI-49-1 SWEEP GENERATOR 400-900 MHZ., PROVISION FOR MARK. \$75
 - " SPI-49-2 MARKER GENERATOR \$65
 - " LD5/SP2/LR4 OR PSX ANY ONE \$65
- KAY ELEC:** MICRO PULSER/MEGA NODE SR/RADA-PULSER SR./RADA SWEEP/MARKA-SWEEP/MEGA-NODE/ANY ONE \$50
- TEC-INST** WOBBLATOR 1500B/AM-FM GENERATOR: TOR/WOBBLATOR 1200 2-13 TV CHANNELS /ANY ONE \$45
- MEASUREMENTS:** SIGNAL GENERATOR 84 TV 300-1000 MHZ. \$150
- SIGNAL GENERATOR 658 75 HZ TO 35 MHZ. \$175
 - 210B FM 148-174 MHZ. \$175
- MAGNAVOX:** DIGITAL PATTERN GENERATOR 100 MICSEC.-10 MICROSEC. V.D.C. \$150
- ANALAB** 1100R OSCILLOSCOPE 5" WITH 700 PLUG-IN, DUAL CHANNEL DC COUPLED 10 MICROSEC. TO 50 SEC. SWEEP. \$175
- OSCILLOSCOPES OTHERS IN STOCK, SMALL QTY. WRITE

- HEWLETT - PACKARD**
- 200BR AUDIO OSCILLATOR 20 HZ-20 KHZ \$60
 - 206A AUDIO SIGNAL GENERATOR LOW DISTORTION 20 HZ-20 KHZ \$300
 - 212A PULSE GENERATOR .07-10 MICSEC. \$150
 - 330BR DISTORTION ANALYZER 20HZ-20KHZ \$225
 - 400C VTVM .0001-300VAC 12 RANGES \$60
 - 400B VTVM 1MV-300VAC 12RG 10HZ-4MHZ \$125
 - 410B VTVM 20HZ-700MHZ, DCV 0-1000, ACV 0-300, OHMS .2-500 MEG. \$75
 - 412A DC VOLT-OHM AMPS. 1MV - 1000V, 1 MU - 1A, OHMS 1-1000. \$150
 - 430C MICROWAVE POWER METER 10mc-40Gc REQ. BOLOMETER (PRICE LESS BLOM) \$50
 - 450A AMPLIFIER 20 OR 40 DB, 10CY-1MC \$45
 - 460A AMPLIFIER 20 DB 100KHZ-140MHZ \$35
 - 523C ELECTRONIC COUNTER 10HZ-1.2MHZ \$175
 - 524B FREQ. COUNTER PLUG-IN TYPE \$175
 - 524C " " " \$200
 - 524D " " " \$225
 - 525A CONVERTER PLUG-IN 10-100 MHZ \$75
 - 525B " " 100-220 " \$90
 - 525C " " 100-510 " \$175
 - 526A VIDEO AMPL. " INCR/524/10MV. \$60
 - 500B FREQ. METER 3HZ-100KHZ. \$50
 - 540A TRANSFER OSCILLATOR 10MHZ-5GHZ \$200
 - 624C(DY) X BAND TEST SET 8500-10,000 MHZ \$400
 - 650A TEST OSCILLATOR 10HZ-10MHZ \$200
 - 686A SWEEP OSCILLATOR 8.2-12GHZ \$400
 - 2210(DY) VOLTAGE-FREQ. CONVERTER (R) \$50
 - 5381(DY) X BAND SIG. GENERATOR, 8.6-10KMHZ \$400
- GENERAL RADIO**
- 219K DECADE CAPACITOR 1.1MF-.001 \$40
 - 631B STROBOTAC, STROBOSCOPE \$95
 - 650A IMPEDANCE BRIDGE \$95
 - 546B AUDIO FREQ. MICROVOLTER \$60
 - 722D PRECISION CAPACITOR 25-1150MMF \$75
- BOONTON**
- 110A Q X CHECKER \$75
 - 160A Q METER OSCILLATOR \$125
 - 207 UNIVERTER 207E \$75
 - 207H " \$125





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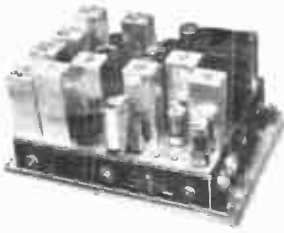
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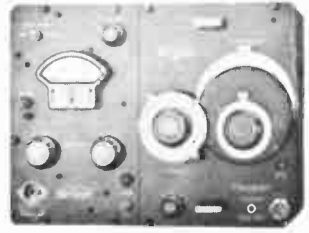
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TRANSMITTER
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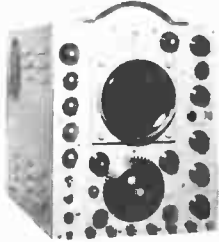
SIGNAL GENERATOR
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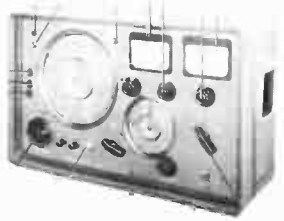
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SIGNAL GENERATOR
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World Radio History

FAIR RADIO SALES

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STORE HOURS

9:00 A.M. TO 5:30 P.M.

MONDAY THRU SATURDAY

VOLTMETERS

- 0-150 AC Round flush type for 2-1/8" hole, Bakelite case. Westinghouse type NA-33, 25 to 125 cycles. Signal Corps No. 3FB150-69 6.25
- 0-300 AC 3" round flush type, bakelite case, Simpson and General Electric Mfg. Signal Corps No. 3FB300-28 7.50
- 0-15 AC-DC Voltmeter 2 1/2" RD. USED No. TS-122 2.95
- 0-30 DC Round flush type, for 2 1/2" hole. General Electric Mfg. Model 85W53AAL. Stock No. 2DA7 5.75
- 0-300 DC Round flush type, bakelite case, shielded, for 2 1/2" hole. Sun Mfg. Model 2AU346. Stock No. 159E-12 5.75

MILLIAMMETERS

- 50-0-50 DC 3" round flush type, bakelite case. Sangamo and Weston model 301. Signal Corps No. 3F3327 6.25
- 0-100 DC 3" round flush type, bakelite case. De-Jur model 310. Signal Corps No. 3F910-1 6.95
- 0-800 DC 3" round flush type, bakelite case, calib. for 1/8" steel panel. Signal Corps No. 3F980-2 6.95

R.F. METERS

- 0-10 AMPS 2-3/4" flange, for 2 1/2" hole, bakelite case. Weston model 507, Signal Corps No. 3F1010-24 5.95
- 0-1 AMPS 3" round flush type, bakelite case, Triplett model 0341-T or Weston model 425. Signal Corps No. 3F1001-31 6.25
- 0-100 MA For 2-1/8" hole, metal case. Calib. for 1/16" steel panel, with Thermocouple. General Electric model AAN21, type DW-52. Signal Corps No. 3F912 5.50

AMMETERS

- 0-30 DC 3" round surface mounting. Roller-Smith type TDS. Signal Corps No. 3F1030-9 6.95
- 0-30 DC 2" round flush type, metal case. Hoyt Meter Co. No. H17-3, scale has marking for 12 volt and 6 volt. Signal Corps No. 3F1030-22 5.50
- 0-1.5 DC Milliamp. Tube checker scale 2 1/2" flush mtg. P/O I-56A W.No.685-2 2.95

TERMS

PRICES NET, F.O.B. LIMA, O. SEND CASH, CHECK OR MONEY ORDER WITH PURCHASE ORDER

MINIMUM ORDER \$3.00. Orders less than \$3.00 ADD \$.50 HANDLING CHARGE.

Include sufficient money for shipping charges. (UNUSED PAYMENTS RETURNED AT ONCE.) Otherwise we will send shipping charges collect.

C.O.D. ORDERS, SEND 25% of PURCHASE with ORDER. BALANCE will be COLLECTED UPON DELIVERY.

When writing for information PLEASE state what specific information you desire.

GENERAL ELECTRIC DW-52 2 1/2" D.C AMP. METER 0-100 SCALE, 0-1.2 F.S F/BC-604/684 NEW USED \$1.95 \$2.95

GENERAL ELECTRIC

- 0-15 VAC A0-22 3 1/2" RD \$3.95
- 0-150 VDC D0-41 3 1/2" RD \$3.95
- 0-200 VDC D0-41 3 1/2" RD \$3.95
- 0-1.5 KV D0-41 " \$3.95 (0-1 DC MA MOVEMENT)
- 0-20 RFA D0-44 3 1/2" RD \$3.95

WESTERN ELECTRIC

WE#157807 3 1/2" RD 0-200 D.C MICRO-AMPERES \$4.95

I-139 TEST METER FOR SCR-522 RADIO USED FOR ALIGNMENT & SETTING CHANNELS 0-1 MA METER WITH CORD & PLUG. SIZE: 3x3x2 WT: 2LB. \$6.95

			
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PHAESTRON CLEAR PLASTIC CASE 50 MICRO AMP D.C. 0-5 SCALE, 3 1/2" #715-16-20 \$4.95

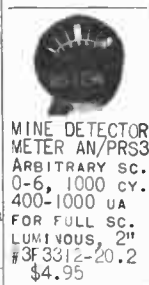

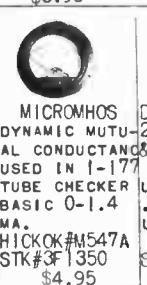
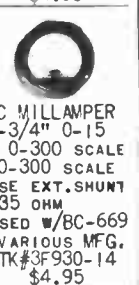
DC AMPERES 3 1/2" 0-300 scl USE W/SHUNT 50 MV/200 A

R.F. AMPERES 2 1/2" RD 0-5sc SIMPSON#136 \$3.95

500 MICROAMPS. D.C. RES. 300 OHM DC. 1 1/2" sq. 1-3/8" MTG. DEJUF MOD. 112 STK#3F3312-6.6 \$4.95

WESTON-M-643 ORD#173030 \$6.95

R.F. AMPERES 2 1/2" RD. 0-9sc. CAY-22239A \$3.95


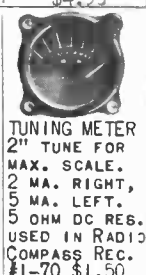


			
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MINE DETECTOR METER AN/PRS3 ARBITRARY SC. 0-6, 1000 CY. 400-1000 UA FOR FULL SC. LUMINOUS, 2" #3F3312-20.2 \$4.95

BLACK FACE RUGGEDIZED 0-50 DCV 2 1/2" RD. MARKHAM #MR265050DCV \$3.95

MICROMHOS DYNAMIC MUTUAL CONDUCTANCE USED IN 1-177 TUBE CHECKER BASIC 0-1.4 MA. HICKOK#M547A STK#3F1350 \$4.95

DC MILLIAMPER 2-3/4" 0-15 AL CONDUCTANCE 0-300 SCALE USED IN 1-177 USE EXT. SHUNT .35 OHM USED W/BC-669 VARIOUS MFG. STK#3F930-14 \$4.95

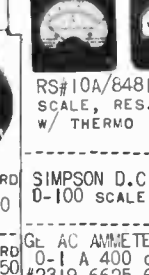

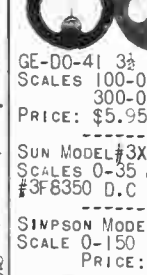
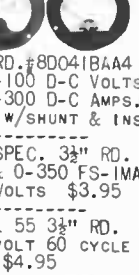
			
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HOYT DC VOLTMETER 0-150 3 1/2" RD. #17L/5117-3855 \$3.95

GAR ELEC. F.S. - 100 UA SCALE 1-3/3-10 & MOD5-50 2 1/2" RUGGEDIZED GAR MODEL 260 \$4.95

WESTINGHOUSE DC MICROAMP. 0-500 2 1/2" RD NX-33 #46641-1 \$3.95

50 MICROAMP. 0-5 SCALE 1 1/2" SINGLE HOLE MOUNTING INTERNATIONAL #420-63-0251 \$4.95

			
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BURLINGTON MODEL 311 HUG 900305 1 1/2" 0-5sc FS. 50 UA #6625-519-2955 \$2.95

TUNING METER 2" TUNE FOR MAX. SCALE. 2 MA. RIGHT, 5 MA. LEFT. 5 OHM DC RES. USED IN RADIO COMPASS REC. #1-70 \$1.50

DC MICROAMPERE INDICATOR 0-200 SCALE TRIPLET 2 1/2" #MR25W.00DCUA MODEL 221 T \$3.95

ANTENNA CURRENT INDICATOR 0-10 RF W/ THERMOCOUPLE WESTON 507 F/BC-442 USED \$1.25

			
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RS#10A/8481 0-.5 RF AMP. SCALE, RES. 0-7 OHM. 2 1/2" W/ THERMO \$3.95

SIMPSON D.C. MILLIVOLT 4 1/2" sq. 0-100 SCALE #29 \$5.95

GE AC AMMETER 0-125 SCALE 0-1 A 400 CYCLE MOVE. 2" sq #2319-6625-649-1982 N \$3.95

WEST. STYLE 1207007 3 1/2" RD SCALE 0-500 DC MILL FS-1MA USN#CAY22067/NX-35 \$3.95

SUN MODEL#3XSPEC. 3 1/2" RD. SCALES 0-35 & 0-350 FS-1MA #3FB350 D.C VOLTS \$3.95

SIMPSON MODEL 55 3 1/2" RD. SCALE 0-150 VOLT 60 CYCLE PRICE: \$4.95

WEST. STYLE 1207009 3 1/2" RD SCALE 0-400 DC VOLTS FS-1M USN#CAY22143/NX-35 \$3.95

WEST. STYLE PH68283 3 1/2" RD TOTAL HOURS IN THDS-HDS-TENS-TENTHS-UNITS 11 VOLTS 60 CYCLE USN#CAY22148/NH35 PRICE: \$12.95

GE MILLIAMPERES A.C 2 1/2" RD FS-1.5 MA No. DW-46/60953 0-250 SCALE USED \$3.95 0-500 " " 3.95 0-750 " " 3.95

HICKOK 3 1/2" RD MATCHED METERS #46 0-500 D.C AMPS. \$3.95 #47 0-500 A.C " \$3.95 #47 0-100 A.C VOLTS \$3.95

WESTINGHOUSE

WESTINGHOUSE NX-35 0-1500 D.C AMPS. FS-50 MV. REC. 1500 AMP. 50 MV SHUNT. 3 1/2" RD. \$3.95

D.C. MILLIAMMETERS TYPE NX-35 3 1/2" RD. 0-50 0-100 0-150 PRICE: \$3.95 EACH

0-15 R.F. NX-35 3 1/2" RD \$3.95

0-1 MA MOVEMENT NX-35 3 1/2" RD 0-2 KILOVOLT DC SCALE 0-20 " DC REQUIRE EXTERNAL SHUNTS PRICE: \$3.95 EACH.

D.C. AMPERE METER 0-150 SCALE, 0-15 MA. MOVEMENT SHUNT REQUIRED, 2 1/2" WEST #12058528 \$1.95

INTERNATIONAL SCALE 0-5/25 FS-200 UA, 1 1/2" HOLE MTG. MARK YDS X 1000 \$2.95 NEW #6625-519-7432

HOYT D.C AMPERE METER 0-15 SCALE MICRORED TYPE IN PORTABLE METAL CASE WITH TEST LEADS. 5 1/2 x 6 1/2 x 2 1/2 WT: 3LB. #17A5200 \$3.95

MULTIMETER USED TO TEST AIRCRAFT CIRCUITS. FULL-SCALE 100 uA. 1100 OHMS ±10% 4x4 1/2 x 5 WT. 3 LBS. USAF-5200-474900 \$4.95

WESTON MODEL 643 3 1/2" FACE, 4 1/2" MTG 2" DEEP, 2 1/2" TERM #175606 \$12.95

No. 16184 D.C AMPERES SCALE 30-0-100 REQ. 50 MV SHUNT \$12.95

WESTON MODEL 506 2 1/2" RD. 0-1 AC AMPS. \$3.95 0-20/0-100 DCMA 3.95 0-500 VDC 3.95 0-5 DCKV FS-1 MA. 3.95

D.C. VOLTMETERS 4 1/2" SQUARE VARIOUS MFG. SPECIFY SCALE. 0-5, 25, 30, 50, 100, 150E \$4.95

WESTON PANEL METERS

MODEL 301 A.C VOLTS 3 1/2" RD 0-25 0-50 0-75 0-80 0-150 EACH METER \$6.95

MODEL 301 D.C VOLTS 3 1/2" RD 0-80 0-150 0-200 0-250 0-300 0-350 0-500 \$6.95 EACH

MODEL 301 D.C VOLTS 3 1/2" RD 15-0-15 300-0-300 \$6.95 EACH

MODEL 301/476 DC AMPS 3 1/2" 0-5 0-30 \$6.95 SPECIFY OTHER NEEDS

MODEL 301 D.C M.A. 3 1/2" RD 0-50 0-70 0-100 0-150 0-200 PRICE: \$6.95

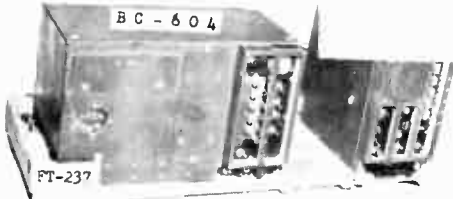
MODEL 301 3 1/2" RD SHUNT REQ. 20,000 OHMS PER VOLT VDC 100/20-0-100/20 200/20-0-200/20 \$6.95 10-0-10 EACH

2000 OHMS PER VOLT 300-0-300 VDC 0-10/100VDC

FM

TRANSMITTERS-RECEIVERS

AM



BC-604 TRANSMITTER

FREQ. RANGE 20-27.9 MC OUTPUT APPROX. 30 WATT. 10 CRYSTAL CONTROLLED CHANNELS. FREQ. 54 TIME CRYSTAL FREQUENCY. 12 VOLT DC OPERATION WITH DM-35 DYNAMOTOR. 24 VOLT DC OPERATION WITH DM-37 DYNAMOTOR. BATTERY DRAIN 20A. ON 12 VOLT TUBE LINEUP; 1619 DOUBLER, 1619 TRIPLER, 1619 1ST RF AMPLIFIER, 1619 RF RECTIFIER, 1624 POWER AMPLIFIER.
 SIZE: 18" L x 11" H x 10 3/8" D. WT: 60 LBS.
 LESS DYNAMOTOR. RE-NEW \$79.95

BC-684 TRANSMITTER SAME AS BC-604
 FREQUENCY RANGE 27 TO 39. MC
 USED \$6.95

BC-603 RECEIVER

BC-603 RECEIVER F.M 20-27.9 MC CONTINUOUS TUNING & 10 PRESET PUSH BUTTON CHANNEL SELECTOR. WITH SENSITIVITY SQUELCH & VOLUME CONTROLS, 2 WATT OUTPUT TO SELF CONTAINED SPEAKER, ONE (1) MICROVOLT SENSITIVITY, 2.65 KC 3/6AC7, 1/6J5, 2/12SG7, 2/6SL7, 1/6H6 & 1/6V6GT. VOLTAGE REQUIRED 12/24 VOLTS FOR FILAMENTS, 220 VDC @ 80 MA. FOR HIGH VOLT SIZE 11 1/2 x 6 1/2 x 12 1/2; WT: 35 LBS.
 USED \$22.95 ..CHECKED FOR OPERATION \$32.95

CONVERTED 30-48 MC \$44.95

FOR BEST RESULTS ORDER SPECIFIC FREQ DESIRED
 AC POWER SUPPLY FOR BC-603; NO CONVERSION NEEDED EXCEPT TO ADD SWITCH. (INSTRUCTIONS SUPPLIED. WIRED \$14.95 KIT OF PARTS \$11.00 DYNAMOTORS; DM-34 12VDC, DM-36 24VDC N \$4.95

FT-237 MOUNTING BASE RE-NEW \$7.95

SHOCK MOUNT BASE TO HOLD ONE RC-924 TRANSMITTER AND ONE OR TWO RC-923 RECEIVER OR, ONE BC-603 RECEIVER. SOCKETS ON THE BASE WILL MAKE ALL OF THE NECESSARY CONNECTIONS TO THE SETS. TERMINAL BLOCK MOUNTED ON THE BASE FOR REMOTE CONTROL CABLE. WT: 44 LBS SIZE: 11 3/4" W x 1 3/4" H x 33 5/8" L.

IDENTIFICATION SET

RT-82/APX-6 RADAR IDENTIFICATION SET RECEIVER-TRANSMITTER COVERING RANGE OF 950-1150 MC. IF FREQ. 59.5/1.5 MC. (CAN BE CONVERTED TO 1215 MC. (ST FEB. '61, SEPT. '60; 1296 MC. (ST JUNE '61). WITH (30) TUBES 6/6J6, 1/6AS6, 1/3E29, 3/6AL5, 1/5Y3, 2/3B24, 3/6AL5, 2/12AU7, 7/6AK5, 1/2C42, 1/2C46, 1/1B40, 1/1N-43, 1/1N-25.
 DIGIT COUNTERS ON TUNERS FOR TRANS-REC-LO FREQ. CONTROLS. VOLTAGE REQUIRED 24 AND 115 400/800 CYCLE. SIZE: 13x13x10; WT: 45 LBS.
 PRICE: GOV'T RE-CONDITIONED \$45.00

METERS

"S" UNITS DB METER 0-1 MOVE. SCALES 0-5 0-10 0-x30 SIZE: 1 1/2 x 1 1/2 #J-SR-2P \$1.95

SIMPSON METER PERCENT SCALE -10-0 --10 100 MICROAMP MOVEMENT. CAN BE MOUNTED VERT. OR HORIZ 5/8" x 2 1/2" SCALE. 3 1/2" DP. NEW #8439739 \$5.95

RELATIVE POWER DB METER 0-1 MA. MOV. SCALES 0-5 & 0-30; SIZE: 1 1/2 x 2 #J-715 \$1.95

RELATIVE POWER DB METER 0-1 MA. MOV. SCALES 0-10 & 0-30 DB SCALE. SIZE 7/8 x 2" MTC. #J-V-303 2H \$1.95

R-114/VRC-4 RECEIVER AM CRYSTAL CONTROL ON FOUR CHANNELS IN THE 1.7 TO 8.7 MC BAND, ONE TUNEABLE BAND OF 190 TO 510 KC. IF FREQ. 525 KC. FOR PHONE AND CW USE. WITH TUBES 4/6SK7, 1/6K8, 2/6SC7 & 1/6K6. VOLTAGE REQUIRED 6 V. FOR FIL. AND 220 VDC 80 MA. SIZE: 15 1/2 x 11 x 14 1/2; WT: 80 LBS. RE-NEW \$29.95

MP-28 MODULATOR & DYNAMOTOR FOR TA-12 TRANSMITTER. BLASS "B" OUTPUT 40 WATTS, WITH TUBES 2/807, 1/6N6 & 1/6N7. DYNAMOTOR 24VDC 14.8 A. OUTPUT 540 VDC 450 MA. SIZE: 12x12x12; WT: 30 LB
 MP-28 Mod. w/dyn. unused \$14.95
 " " LESS " " 9.95
 TA-12 TRANSMITTER 40 WATT PHONE, CW & MCW FOUR CHANNEL 300-600 & 3000-7000 KC. VFO OSCILLATOR EACH CHANNEL HAS OWN OSC. USING 12SK7 & 807 FINAL 2/807 PUSH-PULL (SEE S.R. CONV#2) U \$29.95

R-316/ARR-26 RECEIVER 162.25 - 173.5 MC. FM NO COVER SUPPLIED
 DESIGNED TO RECEIVE SONOBOUY SIGNALS ON 16 PRE-SET CHANNELS. WITH TUBES 1/6J6, 2/6AL5, 1/6AS7, 1/6AU6, 1/12AU7, 1/12AV7 & 7/6AK5. NO POWER SUPPLY, REQUIRES 280 VDC @ APPROX. 125 MA. AND FILAMENT VOLTAGES. OUTPUT OF THE SET USES A 12AU7 IN A CATHODE FOLLOWER CIRCUIT WHICH IS SUFFICIENT FOR HEAD SET. (SCHEMATIC AND CONVERSION INFORMATION FOR 145-175 MC SUPPLIED WILL INCLUDE ADDITION OF AUDIO, SQUELCH AND 115 VOLT 60 CYCLE POWER SUPPLY CIRCUITS.)
 SIZE 5x8x17; WT: 13 LBS. PRICE: USED \$22.95

BC-788C RECEIVER-TRANSMITTER ALTIMETER, PULSE TYPE, TRANSMITTER OUTPUT 50 WATTS. FIXED FREQUENCY 440 MC. WITH TUBES 3/6J6, 1/6L6, 9/6AG5 AND 1/5Y3GT
 OPERATES FROM 115 VOLT 400 TO 2400 CYCLE.
 SIZE: 15 1/2 x 9 x 8; WT: 13 LBS. PRICE: USED \$18.95

LORAN SET
 1D-6E/APN-4 INDICATOR
 R-9B/APN-4 RECEIVER

AN/APN-4 RADIO SET; CONSISTS OF THE 2 MAIN UNITS DESCRIBED BELOW MAKES A EFFECTIVE LORAN NAVIGATIONAL SYSTEM TO DETERMINE YOUR GEOGRAPHIC POSITION IN RELATION TO THE SENDING STAT.

R-9/APN-4 RECEIVER; DESIGNED TO OPERATE AT ANY FOUR PRESET FREQ. IN TWO R.F. BANDS, 3 FREQ. IN THE RANGE OF 1.6 TO 3.3 MC AND ONE FREQ. IN THE 7.58 & 11.75 MC. THE VIDEO PULSE RECEIVED FROM THE TRANS, ARE FEED TO THE INDICATOR AND INTERPERTED BY THE OPERATOR. POWER REQ. 80 OR 115 V. 400 OR 2400 CYCLE. WITH TUBES VR-105, 1/6SN7, 2/2X2, 1/5U4, 3/6R4G, 1/6H6, 1/6SA7, 1/6SJ7, 4/6SK7, 1/6SL7.
 SIZE: 9x8x20; WT: 25 LBS. UNUSED \$24.95

1D-6/APN-4 INDICATOR: RECEIVES THE PULSES FROM THE REC. AND DISPLAYS ON THE 5" CR TUBE 5CP1 CONTROLS ARE PROVIDED ON THE FRONT PANEL FOR COARSE, FINE, GAIN, AMP. BALANCE, ALSO 8 POSIT. SW. CRYSTAL PHASING, FOCUS, INTENSITY ETC. POWER REQUIRED FOR FILAMENT TRANSFORMER IS 115 OR 80 V. 400 OR 2400 CYC. HIGH VOLTAGE IS OBTAINED FROM THE R-9 RECEIVER POWER SUPPLY WITH TUBES 5CP1, 8/6H6, 1/6SJ7, 3/6SL7, 14/6SN7. SIZE: 9x12x20; WT: 35 LBS.
 PRICE: USED WITH TUBES \$29.95 LESS TUBES \$18 CONNECTOR PLUGS PL-167 REC. INPUT, PL-171 FOR INDICATOR TO RECEIVER PL-171 EACH PLUG \$1.50

R-65/APN-9 LORAN RECEIVER INDICATOR AS USED IN AIRCRAFT AND BOATS. PROVIDES ACCURATE MEANS OF DETERMINING POSITION OF FIXED SHORE TRANSMITTING DIRECTION STATIONS WHEN OTHER MEANS ARE INEFFECTIVE. CONSISTS OF A RECEIVER OPERATING IN THE MARINE BAND WITH 3" CR TUBE INDICATOR FOR PRESENTATION OF THE RECEIVED SIGNALS. OPERATES FROM 24 VDC & 115 V 400-800 CYCLE. W/TUBES, LENSE, CRYSTAL. SIZE: 9 1/2 x 12 1/2 x 30 1/2; WT: 40 LBS. USED \$69.50

COMPASS SYSTEM



REMOTE READING MAGNESYN COMPASS SYSTEM AIRCRAFT TYPE. CONSISTS OF A MAGNESYN COMPASS THAT TRANSMITS TO A 3" INDICATOR THAT IS CALIBRATED IN DEGREES --- N-S-E-W AND IS OPERATED BY THE 12 VOLT D.C. INVERTER THAT IS SUPPLIED WITH THE SET. SHPG. WT: 15 LBS.
 PRICE WITH TRANSMITTER, INDICATOR, INVERTER AND MANUAL... \$34.95

TARGET TRANS.

BC-655 TARGET TRANSMITTER 17.5 TO 158 MC IN BANDS BATTERY OPERATED REQUIRES 1.5 VDC AND 90 VDC, TONE MODULATED, LOW POWER WITH TUBES 1/958 & 1/1A5 GT, ALSO 0-200 DC MICROAMMETER, PROVISIONS FOR MTG. TELESCOPING WHIP ANTENNA, WHICH IS NOT SUPPLIED ALSO PROVISIONS FOR MOUNTING ON TRIPOD. SCHEMATIC AND FREQ. SETTING CHART INCLUDED. SIZE: 5 1/2 x 9 x 7; WT: 12 LBS.
 PRICE: WITH TRIPOD UNUSED \$18.95

CARRIER MONITOR

WHEN COUPLED TO TRANSMISSION LINE PROVIDES DC/AUDIO CURRENT TO LOCAL OR REMOTE POSITION. TWO VACUUM CAPACITORS 3 MMFD 15 KV. ARE SUPPLIED FOR 500 TO 50M WATT TRANSMITTER 2 TO 30 MC. INPUT/OUTPUT IMPEDANCE 600 OHM-LINE. OPERATES 115/230 V 60 CYC. WITH TUBES 1/6AL5, 1/6X4, 1/6J6, 1/1V103. ALSO OUTPUT JACKS ETC. OUTPUT JACKS & CONTROLS. P/N 1028017; SIZE: 6X6 1/2 X 8 1/2; WT: 15 LBS.
 PRICE: UNUSED \$8.95 LESS 2 VACUUM COND. \$5.95

TELEPHONE REMOTE CONTROL; WITH HANDSET. UNIT HAS 2 MIC. AND 1 REC. INPUT W/ CONNECTIONS AT TERMINAL BOARD FOR KEYS. AUDIO OUTPUT 1.3 WATTS INTO 600 OHM LINE. CAN BE USED FOR INTERCOM. WITH TUBES 2/35L6 & 1/35Z5. POWER REQ. 115 V. 25/60 CYC OR DC. SPARE TUBES RES. COND. ETC. #CAY-23304
 SIZE: 13x12x11 1/2; WT: 55 LBS. UNUSED \$15.95

RECEIVER 100-158 MC

RC-639 RECEIVER 100-158 MC AM OR CW, CONTINUOUS TUNING OVER THE ENTIRE BAND. CONTROLS FOR CW TONE, AVC-MANUAL-CW, RF & AUDIO GAIN, ATTENUATION, SENSITIVITY ETC. ALSO TUNING METER AND PHONE JACKS. WITH TUBES 1/6SC7, 1/6K6, 1/9002, 3/9003 AND 4/6SG7. SEPARATE RA-42 POWER SUPPLY THAT SUPPLIES THE NECESSARY VOLTAGES AND OPERATES FROM 115/230 V. 60 CYCLE. BOTH UNITS ARE DESIGNED FOR 19" RACK MOUNTING, REC. HEIGHT 10 1/2", 7.5 7" WT; BOTH UNITS 75 LBS. CONDITION, USED. PRICE: \$65.00 CHECKED FOR OPERATION \$10 EXTRA

RECEIVER 1.5 - 18.5 MC

R-105/ARR-15 RECEIVER; DESIGNED FOR NAVAL AIRCRAFT COMMUNICATION IN THE 1.5 TO 18.5 MC IN SIX BANDS WITH MULTICHANNEL PRESET FREQ. OR VARIABLE CONTINUOUS TUNING FOR AM VOICE, CW AND MCW RECEPTION. THE SET MAY BE OPERATED MANUALLY OR ELECTRICALLY ON ANY TEN PRESET CHANNELS BY USE OF THE AUTOTUNE. ALL CONTROLS ARE ON THE FRONT PANEL. WITH TUBES 1/12A6, 3/12SJ7, 1/12H6, 2/12SL7 & 5/12SG7. VOLTAGE REQUIRED 24/28 VOLT DC FOR FILAMENTS, MOTOR, RELAYS AND DYNAMOTOR THAT HAS A OUTPUT OF 220 VDC @ 95 MA. SCHEMATIC \$1.00
 SIZE: 8x10 1/2 x 21 1/2; WT: 50 LBS. PRICE: USED \$65.

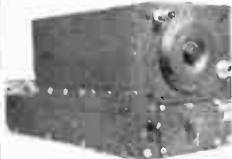
BC & ARC COMMAND SETS

THE COMMAND SET SERIES OF TRANSMITTERS AND RECEIVERS HAVE BEEN POPULAR FOR MANY YEARS ON THE SUPPLUS MARKET.

THE SERIES CONSISTS OF SEVERAL SEPARATE UNITS COVERING THE FREQUENCY RANGE OF 190 KC TO 9.1 MC FOR THE RECEIVERS AND 2.1 TO 9.1 MC FOR THE TRANSMITTERS.

IF YOU ARE NOT FAMILIAR WITH THE CONVERSION OF THIS EQUIPMENT IT IS SUGGESTED THAT YOU PURCHASE CONVERSION MANUAL COVERING THE SET.

CQ SURPLUS CONVERSION MANUAL, WHICH INCLUDES COMMAND SETS IS AVAILABLE FROM US FOR \$3.00 (FOR OTHER CONVERSION MANUALS SEE PAGE 21)



THE RECEIVERS ARE SIX TUBE SUPERHETERODYNE WITH THE FOLLOWING TUBE LINE-UP; 1/12A6, 1/12K8, 3/12SK7 & 1/12SR7.

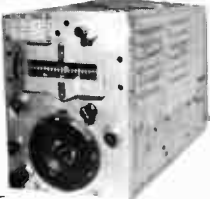
DESIGNED TO OPERATE WITH THE USE OF A DM-32 24 VOLT D.C. DYNAMOTOR WITH AN OUTPUT VOLTAGE OF 250 VDC @ 60 MA. ALSO REQUIRES 24 VOLTS FOR FILAMENTS. THE SET WAS TUNED FROM A REMOTE POSITION BY THE USE OF A FLEXIBLE SHAFT AND CONTROL BOX. SIZE: 5x5x11; WT: 12 LBS.

BC-453 190 TO 550 KC USED \$16.95

BC-454	3.0 TO 6.0 MC	Gov't RE-COND	19.95
BC-454	3.0 TO 6.0 MC	USED	16.95
BC-455	6.0 TO 9.1 MC	Gov't RE-COND	14.95
R-25/ARC	1.5 TO 3.0 MC	UNUSED	19.95

R-28/ARC-5 100 TO 156 MC CRYSTAL CONTROL ON FOUR PRE-SET CHANNELS WITH 24 VDC MOTOR, NOT CONTINUOUS TUNING. USES SAME VOLTAGE BUT DIFFERENT TUBES. SEE CONVERSION MANUAL FOR DETAILS TO MAKE CONTINUOUS TUNING. USED \$22.95

THE TRANSMITTERS WITH PROPER USE CAN PUT OUT 50 WATTS CW AND 30 WATTS ON PHONE. MODULATION IS OBTAINED FROM SEPARATE UNITS, BC-456 FOR SINGLE TUBE MOD. AND MD-7 FOR PUSH-PULL MOD. THE DM-33 DYNAMOTOR IS USED TO SUPPLY THE VOLTAGES AND IS MOUNTED ON THE MODULATOR. VOLTAGES REQUIRED 575-600 VDC @ 175-200 MA. AND 24 VOLTS. WITH TUBES 2/1625, 1/1626 & 1/1629 MAGIC EYE TUBE FOR TUNING AND CRYSTAL FOR CALIBRATION. SIZE: 5x7x12; 12LBS



T-1E/ARC-5	2.1 TO 3.0 MC	USED	\$9.95
CBY-52232	NAVY 2.1 TO 3.0 MC	LESS	
	ANTENNA INDUCTANCE VARIABLE COIL	USED	4.95
BC-696	3 TO 4 MC	Gov't RECONDITIONED	14.95
T-20/ARC-5	4.0 TO 5.3 MC	USED	\$6.95 NEW 9.95
T-21/ARC-5	5.3 TO 7.1 "	"	6.95 NEW 9.95
T-22/ARC-5	7.0 TO 9.1 "	"	18.95

T-23/ARC-5 100 TO 156 MC AM USING 832 TUBES (2) AND 1625 (2), FOUR PRE-SET CRYSTAL CONTROL CHANNELS. COMPANION TO R-28 REC. FOR CONVERSION SEE CQ MANUAL. \$24.95

BC-456 MODULATOR FOR USE WITH COMMAND TRANSMITTERS, SINGLE TUBE MODULATION WITH TUBES 1/1625, 1/12J5GT AND 1/VR-150. HAS PROVISIONS FOR MOUNTING DM-33 DYNAMOTOR. SIZE: 7x8x10; WT: 11 LBS. U. \$3.95

POWER SUPPLY FOR COMMAND RECEIVERS 115 VOLT 60 CYCLE IN CABINET WITH SPEAKER, SPEAKER, VOLUME CONTROL, CW SWITCH, HEADPHONE JACK AND CONNECTOR PLUG FOR SINGLE RECEIVER. SEE PAGE 20. PRICE: 19.95

SPIN TUNING KNOB FOR RECEIVERS	\$1.00
DM-32 DYNAMOTOR 24 V FOR REC.	4.95
35x032 " 12 V "	4.95
C-26/ARC CONTROL BOX FOR ONE REC.	2.00
BC-496 " " TWO "	1.95
BC-450 " " THREE "	2.50
BC-451 " " ONE TRANS.	1.95
BC-473 " " ONE REC.	2.00

CONNECTOR PLUGS F/REC. OR TRANS. " 1.50
FLEXIBLE SHAFTS MC-215 FOR COMMAND EQUIPMENT 6 FT. \$1.50 EACH ADDITIONAL FT. 25¢ EXTRA.



MOUNTING-RACKS-FLEXIBLE SHAFTS	
FT-234 ONE COMM. TRANS RACK	1.50
FT-226 TWO " " "	2.00
FT-220 THREE " REC.	2.50
FT-225 MODULATOR RACK	1.50
MT-68 ONE TRANS. SHOCKMTG	1.00
FT-227 TWO " "	1.50
FT-228 ONE MOUNTING BC451x1	1.00

RECEIVERS & TRANSMITTERS



BC 620 RECEIVER TRANSMITTER .M. 20 TO 27.9 MC. CRYSTAL CONTROL ON ANY TWO PRESELECTED FREQ. IN THE RANGE. USES FT-243 CRYSTALS, ONE SUPPLIE POWER OUTPUT APPROX. 3 WATTE WITH PHONE & MIC JACKS, (NO SPEAKER) TEST METER, VOLUME CONTROL, SELECTOR SWITCH ETC

WITH TUBES 1/1LC6, 1/1LH4, 1/1LN5, 4/1R4/1294-2/3B7 & 4/306/1299 AND PE-97 POWER SUPPLY THAT OPERATES FROM 6 OR 12 VOLTS D.C. W/ CABLE SIZE: REC. TRANS. ONLY 15x13x7; WT: 30 LBS. PE-97 POWER SUPP. 15x13x7; WT: 20 LBS.

THE REC.-TRANS. IS MOUNTED ON TOP OF THE POWER SUPPLY AND IS HELD THERE WITH HASPS. PRICE: BC-620 & PE-97 RE-NEW \$19.95



BC-659 TRANSMITTER-RECEIVER F.M. 27-38.9 MC, CRYSTAL CONTROL ON TWO PRESELECTED CHANNELS IN THE FREQUENCY RANGE. SUPPLIED WITH ONE (1) FT-243 CRYSTAL, OUTPUT APPROX

3 WATTS, SELF CONTAINED SPEAKER, MIC & PHONE JACK. WITH TUBES 1/1LH4, 1/1LC6, 4/1LN5, 2/1291, 4/1299-306, 1/1291-3B7 & ALIGNMENT & TEST METER WITH PE-117 OR PE-120 6 OR 12 VDC POWER SUPPLY. SIZE: REC-TRANS. ONLY 15x13x7 WT: 30 LBS. PE-117/120 P.S. 15x13x7 WT: 20 LBS.

THE REC-TRANS. IS MOUNTED ON TOP OF THE P.S. AND IS FASTENED WITH HASPS SAME AS BC-620. PRICE: BC-659 AND POWER SUPPLY USED \$16.95

AN-45 TELESCOPING ANTENNA FOR MOUNTING ON REAR OF BC-620, 98" LG. NEW..... 1.95
FT-250 SHOCKMOUNTING BASE F/ BC-620 & PE-97 TO-GETHER OR SEPARATELY 2.50
CD-509 CORD EXTENSION 8 FT. USED WHEN P.S IS TO BE USED AWAY FROM BC-620. 2.75
CS-79 BATTERY CASE SAME SIZE AS PE-97 USED WITH BC-620 WHEN DRY CELLS /USED \$1.50
TS-13 HANDSET, CARBON MIC. W/PLUGS " 4.95
T-24 MICROPHONE CARBON RE-NEW 4.95
SPARE TUBES FOR BC-620 NEW BOXED EACH .75

RADIOTELEPHONE

PCA RADIOTELEPHONE EQUIPMENT VHF MODEL ET 8040 IS A COMPACT MULTI-CHANNEL UNIT DESIGNED TO PERMIT VARIOUS CLASSES OF VESSELS TO UTILIZE THE MARITIME-MOBILE FREQ. FOR SHIP TO SHIP & SHIP TO SHORE IN THE 156 TO 162 MC. F.M. BAND. SIMPLEX OR DUPLEX CHANNEL ON AS MANY AS (8) FREQ. TRANSMITTER OUTPUT 11 WATTS WITH TUBES 2/2E26, 5/6PH6, 1/6AQ5, 2/6AV6 & 1/12AT7, FREQ. STABILITY .002%, MOD. 15 KC = 100%, RECEIVER "A" CHAN. 1 THRU 6, REC. "B" CHANNEL 7 THRU 8, DOUBLE CONVERSION, SQUELCH SENSITIVITY. 25-5 MICRO VOLT, WITH TUBES EACH RECEIVER 11/6PH6, 2/12AX7, 1/5AL5 & 1/6AK6.



EIGHT CHANNEL CONTROL UNIT WITH HANDSET, ONE SPEAKER WITH REMOTE CONTROL OF SINGLE CHANNEL & AUX. SPEAKER ONLY. OPERATES FROM 115 VOLT 400 CYCLE 1.22 AMPS. TRANS.-REC. SIZE 15x23x6; WT: 72 LBS. NET. CONTROL UNIT & SPEAKERS 13 LBS. CHG. WT. 100 PRICE: UNUSED \$25.00

R-4/ARR-2 RECEIVER 234-258 MC DESIGNED FOR REMOTE CONTROL OPERATION, REQUIRES A MODULATED SIGNAL IN THE RANGE OF 540-830 KC AND MAY BE SET AT ANY ONE OF SIX FREQ. RECEIVER CAN BE USED FOR BEAT NOTE HOMING OR FOR VOICE RECEPTION. WITH TUBES 1/12A6, 3/6AK5, 7/9001, VOLTAGE REQ. 24 VDC & 250 VDC 60 MA. SAME SIZE AS COMMAND REC. "G" RE-COND \$6.95



MD-7/ARC-5 MODULATOR USED WITH ARC-5 AND COMMAND SERIES OF TRANSMITTERS USES 2 1625 TUBES IN PUSH-PULL. 1/12J5 AND 1/VR-105 (CAPABLE OF 40 TO 60 WATTS ON VOICE DEPENDING ON VOLTAGE USED AND APPLICATION TO TRANSMITTER. W/ TUBES SIZE: 10x6x9; WT: 12 LBS. PRICE : USED \$9.95

COMMUNICATION RECEIVER

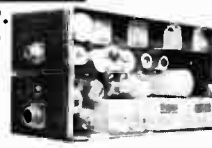


RCAF GR-10 COMMUNICATION RECEIVER. 115 VOLT 25-60 CYC. 6 BANDS, 195 TO 410 KC AND 1400 TO 31000 KC., ELECTRIC BAND SPREAD, VAR. SELECTIVITY, ADJ. CRYSTAL FILTERS, NOISE LIMITER, AVC, CARRIER STRENGTH METER, CRYSTAL CONTROL ON ANY ONE FREQ. TO 6.8

MC. TEMP. AND VOLTAGE REG. OF OSCILLATOR, SENSITIVITY BETTER THAN 5 MIC. V. 2:1 SIG. TO NOISE RATIO. MAX. UNDISTORTED OUTPUT 3 WATTS. WITH TUBES 3/6SK7, 1/6K8, 1/6SU7, 1/6H6, 1/6SQ7, 1/6F6G, 1/5Y3G & 1/VR-105. BEAT FREQ. OSC. CONTROL AND PROV. FOR SPEAKER AND HEADSET. SIZE: 10x20x11; WT: 85 LBS. (CABINET DESIGN MAY VARY) ALSO AVAILABLE FOR 19" RACK MOUNTING PRICE: USED NOT CHECKED... \$89.95 99.95

RECEIVERS

ARN-5 RECEIVING EQUIP. FOR AIRCRAFT USE DESIGNED TO GIVE VERTICAL GUIDANCE TO A PILOT DURING LANDING OPERATIONS. RECEIVES MODULATED SIGNAL 90 & 150 CYCLES ON FREQ. OF 332.6, 333.8 & 335 MC. DEPENDING UPON THE CRYSTAL IN USE. VOLTAGE REQ. 24 TO 28 VOLT. 1.35A WITH TUBES 7/6AJ5, 2/12SN7 & 1/2807 (TUBE LINE UP MAY VARY WITH TYPE SET ORDERED) SIZE: 5x2x11; WT: 15 LBS. CONDITION USED. R-89/ARN-5 RECEIVER USED \$6.95 R-430/ARN-5 " " \$9.95



1-101C CROSS-POINT INDICATOR USED WITH ARN-5 USED \$1.50; BC-732 CONTROL BOX. U. \$1.95 \$2.95 AS-27 ANTENNA UNUSED \$5.95 AS-27A \$9.95 CONNECTOR PLUGS TO FIT ALL UNITS EACH \$1.50

DIVERSITY RECEIVER

A/ARR-3 DIVERSITY RECEIVING EQUIPMENT USES TWO IDENTICAL RECEIVERS OPERATING ON DIFFERENT ANTENNAS. THE OUTPUT IS THEN COUPLED TO-GETHER TO SUPPLY A SIGNAL WITH REDUCED FADING EFFECTS. COVERS THE FREQ. RANGE OF 2.4 TO 23 MC IN 5 BANDS, (BAND 5 CAN BE EXTENDED TO 26 MC.) PRE-SET ON ANY ONE FREQ. IN EACH BAND, MOTOR DRIVEN SELECTOR BY DIAL SYSTEM. CONSISTS OF ANTENNA UNIT, REC. UNIT "A", REC. UNIT "B", MULTIPLIER UNIT, OSCILLATOR UNIT, REMOTE CONTROL, POWER CONTROL, POWER FILTER UNIT & POWER SUPPLY UNIT ALL HOUSED IN A 7 FOOT RACK WITH DOOR FRONT & BACK. TUBES REQUIRED 6/6J5GT, 5/6V6, 8/6SK7, 2/6SN7, 2/6SA7, 7/6SA7, 5/6H6, 3/6E5 & 2/5U4. TOTAL WT: 600 LBS. POWER REQ. 100-130/200-260 v. 50/60 CYCLE. PRICE: USED LESS TUBES \$150.00

ATD TRANSMITTER

NAVY ATD TRANSMITTER 540 KC TO 9050 KC 50 WATT VOICE-CW-CW AM WITH TUBES 1/814, 4/6L6GA & VOLTAGE REGULATOR, THREE 2 1/2" METERS FOR RF, MA & VOLTS, 24 VOLT DYNAMOTOR OUTPUT 1000 VDC 150 MA, 380 VDC 400 MA & 28VDC 5 AMPS. PLUG-IN TUNING UNITS SUPPLIED WITH SET 1/540-1500, 1/1500-3000 & 2/3000-9050 KC. FOUR CHANNEL SELECTION FROM SET OR REMOTE. LOCAL OR REMOTE CONTROL, MIC, PHONE & KEY JACK COMPLETE WITH DYNAMOTOR, REMOTE CONTROL UNIT, ANTENNA LOADING UNIT & PLUGS. SIZE: 24x10x13; WT: 70 LBS. (TRANS) TOT. 135 LB. PRICE: UNUSED \$69.95



TRANSCIEVER

RT-18/ARC TRANSMITTER & RECEIVER A.M. 100 TO 156 MC CRYSTAL CONTROLLED, 30 WATT C.W AND PHONE. VOLTAGE REQUIRED 360 VDC @ 135 MA. AND 24 VOLT D.C. USES TUBES 18/6AK5, 2/6CA, 2/6V6, 2/6J6, 2/12A6, 2/832 AND 1/12SL7. PRICE: WITH TUBES 10 CHANNEL USED \$49.50 59.50 LESS " & ANTENNA RELAY 10 CHAN. \$30.00 DY-9/ARC DYNAMOTOR 26 VOLT D.C. USED \$ 9.95 DY-10/ARC " 13/26 " " \$11.95



SCR-522 RADIO SET 100-156 MC

RECEIVER-TRANSMITTER AM, FOUR CHANNEL, CRYSTAL CONTROL, 30 WATT OUTPUT, 18 TUBES AS FOLLOWS: TRANSMITTER, 1/6SS7, 2/832, 3/12A6, 1/6G6. RECEIVER: 1/9002, 1/9003, 3/12A6, 1/12C6, 2/12AH7, 1/12H6 & 3/12SG7. BOTH UNITS CAN BE REMOVED FROM CASE SEPARATELY. OVERALL SIZE: 16x12x10-3/4" WT: 49 LBS. PRICE: USED \$29.95



RECEIVER CHASSIS ONLY, LESS CHANNEL SHIFTERS. PRICE: USED WITH TUBES \$14.95 NO TUBES \$7.95

RECEIVER CHASSIS ONLY, LESS CHANNEL SHIFTERS. PRICE, USED, WITH TUBES \$14.95 NO TUBES \$7.95

TRANSMITTER CHASSIS ONLY, LESS CHANNEL SHIFTERS. PRICE, USED WITH TUBES \$18.95 NO TUBES \$7.95

BC-602 CHANNEL SELECTOR CONTROL BOX WITH PUSH BUTTONS. BC-602B USED \$1.95 BC-602D NEW \$2.95

NOTE: FOR THE MICROPHONE & PHONE CIRCUITS JACKS CAN BE INSTALLED IN THE BC-602

JB-29 JUNCTION BOX NEW \$2.95
AN-104 ANTENNA, METAL COVERED WOOD NEW 1.95
PE-98 DYNAMOTOR 12 VOLT USED 9.95
PE-94 " 24 " " 4.95

PLUGS REQUIRED FOR THE EQUIPMENT

SCR-522 RECEIVER-TRANSMITTER REQUIRES THE FOLLOWING PLUGS, PL-173 TO ANTENNA, PL-169 TO DYNAMOTOR, PL-170 TO JB-29 JUNCTION BOX. \$1.50 EACH

BC-602 CONTROL BOX, REQUIRES FOLLOWING PLUGS, PL-169 TO JUNCTION BOX. \$1.50 EA.

PE-98 OR PE-94 DYNAMOTOR REQUIRES FOLLOWING PLUGS, PL-172 TO BATTERY, PL-171 TO RECEIVER-TRANSMITTER. \$1.50 EA.

JB-29 JUNCTION BOX, REQUIRES THE FOLLOWING PLUGS, PL-170 TO RECEIVER-TRANSMITTER, PL-169 TO BC-602 CONTROL BOX. \$1.50 EA.

RA-62 AC POWER SUPPLY FOR SCR-522, OPERATES FROM 115/230 VOLTS 60 CYCLE, SUPPLIES ALL THE NECESSARY VOLTAGES FOR OPERATION. SIZE: 16x11x11; WT: 75 LBS. PRICE USED \$59.50 REQUIRES PL-171 PLUG FOR HOOK-UP TO REC-TRANS PRICE \$1.50.

BC-733 RECEIVER 108.3-110.3 MC AM

AIRCRAFT RECEIVER USED FOR LOCATING RUNWAY ON LANDING FIELD DURING LANDING OPERATION SIGNALS RECEIVED BY RECEIVER FROM TRANSMITTER LOCATED ON RUNWAY ARE APPLIED TO CROSS-POINT INDICATORS IN THE AIRCRAFT AND SHOW IF PLANE IS OFF TO RIGHT OR LEFT OF RUNWAY. OPERATES ON SIX CRYSTAL CONTROL PRESET FREQ. COMPLETE WITH TEN TUBES: 1/12AH7, 2/12SG7, 3/717, 2/12SR7, 1/12SQ7 & 1/12A6. VOLTAGE REQUIRED; 24 VDC & 220 VDC 80 MA. WITH SCHEMATIC. SIZE: 13x5x7 WT: 17 LBS. PRICE: USED \$5.95 UNUSED \$7.95

1-101C CROSS POINT INDICATOR, USED \$1.95
PL-257 PLUG TO FIT 1-101C 1.50

BC-732 CONTROL BOX USED \$1.95 NEW \$2.95
CABLE WITH PL-254 TO FIT BC-733 REC. AND PL-256 PLUG TO FIT BC-732 CONTROL BOX 3 FT. PRICE: \$4.95 PLUGS ONLY 1.50

DM-53 DYNAMOTOR 24 VOLT USED \$4.95 NEW \$6.95
JM-53 AZ " 12 " NEW 7.95
AS-27 RAMS HORN ANTENNA NEW 5.95
PL-284 TWIN COAX PLUG F/BC-733-AS-27 1.00

DM-53 AZ " 12 " NEW 7.95
AS-27 RAMS HORN ANTENNA NEW 5.95
PL-284 TWIN COAX PLUG F/BC-733-AS-27 1.00

TRANSCIEVER

AF/UTA 68 TRANSCIEVER AM 15 TO 52 MC ON ANY ONE OF TEN PRESET FREQUENCIES, CRYSTAL CONTROLLED. POWER OUTPUT APPROX. 5 WATTS. WITH TUBES TRANS. 6AG5, 2/6C4, 3/5763, MOD. 6AU6, 2/6C4, 6AK6, REC. 3/6RH6, 3/6C4 & 26 VOLT DC DYNAMOTOR, OUTPUT 265 VDC AND -50 VDC. SIZE: 9x8x16; WT: 25 LBS. PRICE USED \$24.95 SCHEMATIC \$1.00; PLUGS \$1.50 EA. ANT. PLUG 50¢



ARC-3 100-156 MC

R-77/ARC-3 VHF AIRCRAFT TYPE AM RECEIVER, 8 CHANNEL CRYSTAL CONTROL ELECTRIC BAND CHANGE WITH TUBES 9001, 9002, 12A6, 12H6, 12SH7, 12SL7, 2/12SN7, 3/12SG7 & 6/6AK5. VOLTAGE REQUIRED 24 VDC & 210 VDC 125 MA. SIZE: 11x7x15. WT: 21 LBS. W/SCHEMATIC PRICE: R-77/ARC-3 RE-CONDITIONED \$29.95
R-5009/ARC-502 24 CHANNEL USED \$24.95
PL-153 PLUG FOR FRONT OF SET \$ 2.50

T-67/ARC-3 VHF AIRCRAFT TYPE TRANSMITTER AM, 8 CHANNEL CRYSTAL CONTROL ELECTRIC BAND CHANGE, WITH TUBES 2/832, 2/6L6, 1/6U5, 3/6V6 & 1/12SH7. VOLTAGE REQUIRED 24 VDC & 410 VDC 325 MA. SIZE: 15x7x12. WT: 21 LBS. PRICE: RE-NEW WITH TUBES ...\$29.50

JB-68 JUNCTION BOX FOR ARC-3 RADIO SET USED TO MOUNT DYNAMOTORS DY-22 FOR REC & DY-21 FOR TRANS. ALSO HAS CONNECTOR PLUGS TO HOOK UP REC, TRANS, CONTROL BOX & POWER, & RELAYS. SIZE: 10x3x8. WT: 7 LBS. PRICE USED... \$7.95

CONNECTOR PLUG FOR EACH CILITY \$2.50 EACH

C-118/ARC-3 CONTROL BOX FOR RECEIVER AND TRANSMITTER. HAS EIGHT PUSH BUTTONS FOR CHANNEL SELECTION AND ONE FOR OFF. SIZE: 6x3x7 WT: 2 LBS. PRICE: \$4.95
CONNECTOR PLUG U-16/U 2.50

IE-36 TEST SET FOR SCR-522 REPRODUCES THE OPERATING FUNCTIONS OF THE CONTROL BOX & JACK BOXES OF THE RADIO BY PROVIDING HEADPHONE & MICROPHONE, CHANNEL SELECTION PLUS ALL OTHER CONTROLS NECESSARY TO OPERATION AND TESTING. CONTROL UNIT BC-1303 PLUGS DIRECTLY INTO THE SCR-522 ALSO HAS PHANTOM ANTENNA & CORD, LAMP EXTRACTOR, ADAPTER PHONE CORD, INSTRUCTION BOOK AND CARRYING CASE, 10x10x4; WT: 8 LBS. PRICE: NEW \$6.95

SCR-522 CABLES WITH PLUG ON ONE END AND LUG TERMINALS ON THE OTHER. EACH CABLE \$2.95
CX-58/VRC-1 PLQ-170 PLUG & LUGS, 36" LONG.
CX-60/VRC-1 PL-169 " " " 36" "
CX-62/VRC-1 PL-172 " " " 66" "

TRANSCIEVER

BC-745 AM TRANSMITTER-RECEIVER COVERING THE FREQ. RANGE OF 2-6 MC PHONE, WITH A RANGE OF FIVE MILES UNDER FAVORABLE CONDITIONS. CRYSTAL CONTROL ON TWO PRESELECTED FREQ. BY USE OF PLUG IN COIL & CRYSTAL ASSY. BC-746. THE SET SIZE IS 6x6x6 AND IS MOUNTED ON A 32" STAFF AND HOUSES THE TELESCOPING ANTENNA WHEN NOT IN USE. COMPLETE WITH TUBES, 1/155, 3/174 & 5/3S4 & ONE PLUG IN FREQ. ASSY. VOLTAGE REQUIRED 1.5 VDC, 5 A, 67.5 VDC/20 MA & 105-125 VDC/50 MA. WT: 10 LB PRICE: USED \$6.95



BC-746 PLUG IN COILS & CRYSTAL ASSEMBLIES CHANNEL #1 3010 KC CHANNEL #2 5030 KC CHANNEL #5 5500 KC CHANNEL #13 5305 KC ONE OF THE ABOVE SUPPLIED WITH PURCHASE OF SET, ADDITIONAL UNITS \$1.00 EA. CHEST UNIT THAT WAS USED TO CARRY DRY CELL BATTERIES, ALSO HAS MICROPHONE, PHONE JACK AND NECESSARY CABLE FOR CONNECTING TO RADIO SET. PRICE: USED \$1.95 UNUSED \$3.95

T-39 VIBRATOR POWER SUPPLY; OPERATES FROM 2 VOLT WET BATTERY BB-54 WHICH IS INSTALLED INSIDE THE CASE THAT SUPPLIES ALL THE NECESSARY VOLTAGES FOR OPERATION OF THE RADIO SET ALSO HAS 4" PM SPEAKER, CARRYING HANDLE AND CABLE FOR CONNECTING TO SET. SIZE: 11x5x8. WT 1 1/2 LBS. PRICE: USED \$4.95 UNUSED \$6.95

AMPLIFIER

AM-203B/ARA-19 AMPLIFIER; PART OF REMOTE TUNING SYSTEM AS USED WITH ARN-6 RADIO COMPASS WHICH PROVIDES AN ACCURATE MEANS OF TUNING ELECTRICALLY. OPERATES FROM 24 VDC. WITH 2/26A7 TUBES AND 1/12SN7 TUBE, SIZE: 5x6x4. WT: 6 LBS. PRICE: RE-NEW \$8.95



COMPASS RECEIVER

AN/ARN-7 RADIO COMPASS RECEIVER 100 TO 1750 KC USED FOR AIRCRAFT DIRECTION FINDING BUT CAN ALSO BE USED ON BOATS. THE RECEIVER IS A SUPERHETERODYNE WITH ADDITIONAL CIRCUITS FOR OPERATION OF THE AURAL RECEPTION AS SHOWN ON THE INDICATORS. COVERS THE FREQUENCY RANGE OF 100 TO 1750 KC IN FOUR BANDS CONTINUOUS TUNING FROM CONTROL BOX WHICH IS A SEPARATE UNIT. UNIT OPERATES FROM 115 VOLT 400 CYC & 24 VDC AND IS COMPLETE WITH TUBES 4/6K7, 1/6L7, 1/6U5, 2/6B8, 2/6F6, 1/6N7, 1/5Z4, 1/6SC7 & 2/2051. SIZE: 12x8x19; WT 45 LBS. R-5/ARN-7 RECEIVER ONLY, USED \$18.95

ITEMS LISTED BELOW ARE REQUIRED FOR ADF OPER.

C-4/ARN-7 CONTROL BOX	USED \$3.95	NEW \$5.95
I-8! INDICATOR 3"	USED \$3.95	RENEW 4.95
I-82A " 5"	USED 7.95	
LP-21 AM LOOP ANTENNA	" 9.95	
FT-224 MOUNTING F/C-4CB	" 1.50	
MG-149F INVERTER	" 24.95	
MC-203 SHAFT COUPLING "T"	" 1.00	
MC-136 SHAFT " RT/ANGLE	" 2.50	
BK-22 RELAY JUNCTION BOX	" 2.95	
MC-124 FLEXIBLE SHAFT 2 FT.	1.50	
CD-365 CABLE FOR LOOP 5 FT.		2.75
PL-122 CONNECTOR PLUG FOR RECEIVER		2.50
PL-112 " " LOOP		2.50
PL-118 " " " 1-81 OR 1-82		2.50

GO-9 NAVY TRANSMITTER 100 WATT CW, MCW & PHONE, 300-600 KC & 3.0 TO 18.1 MC. WITH TUBES 2/837, 1/843, 1/801, 2/803, 1/807, 2/1616 & 1/5Z3, UNIT IS MADE IN THREE SECTIONS WITH THE LOW FREQ. SEC. TO THE LEFT, HIGH FREQ. SEC. TO THE RIGHT & POWER SUPPLY TO THE CENTER. VOLTAGE ALSO REQ. 12 OR 24 V.DC. SEVEN METERS, 0-9 RF & 0-100 MA IN LOW SEC. 0-9 RF, 0-100 MA & 0-15 V. IN HIGH SEC. & 0-15 V. & 0-300 MA IN P.S SEC. (CONVERSION INFORMATION FOR 115 V. 60 CYCLE CAN BE FOUND IN SURPLUS RADIO CONVERSION MANUAL #2 PRICE \$3.50) SIZE: 28x33x16; WT: 125 LBS. RE-NEW \$69.50

MN-40 INDICATOR 0-360 DEGREE SCALE 5" WITH VAR. ADJUSTMENT. IS SAME AS I-82 INDICATOR ONLY OPERATES MECHANICALLY INSTEAD ELECTRICALLY BY USE OF SPLINED CONNECTORS AS USED ON MC-124 SHAFT. PRICE: \$3.95

RADIO COMPASS

RA 101A/ARN-6 RADIO COMPASS WITH A FREQUENCY RANGE OF 100-1750 KC IN FOUR BANDS. COMPLETE WITH TUBES 6/12SK7, 4/12SX7, 1/12SY7, 1/12SQ7, 2/26A7, 2/2050. OPERATES FROM 26.5 VDC. WT. 35LBS. SIZE: 11x7x15. PRICE: \$39.50

AS-313/ARN-6 LOOP ANTENNA WITH MOTOR AND AUTOSYN TRANSMITTER. USED WITH ARN-6 RADIO COMPASS. OPERATES FROM 26 VOLTS 400 CYC. SIZE: 10x11x5 WT. 15 LBS. PRICE: (AS ILLUSTRATED) USED \$7.95 MANUAL FOR RA 101A/ARN-6...\$5.00




ID-91 B/ARN-6 INDICATOR 0-360 DEG. 3 1/2" DIA. INDICATOR FOR ARN-6 RADIO COMPASS SYSTEM \$8.95

C-149 A/ARN-6 CONTROL BOX BOX CONTAINS THE FOLLOWING CONTROLS. OFF-COMP.-ANT.-LOOP; FUNCTION SWITCH, TUNING METER, LOOP L-R SWITCH, LIGHT CONTROL, OIAL BAND SWITCH, CONTROL SWITCH, TUNING CRANK, AUDIO CONTROL, CW- VOICE SWITCH. \$8.95



Headsets — Telephone Equipment — Microphones — Handsets



HS-33 HEADSET
NEWLY MANUF.
HEADBAND & 4 1/2 FT.
CORD WITH PL-55
TYPE PLUG. AIR
FORCE GREY. 600
OHM IMPEO. WITH

MX-41/AR MEDIUM RUBBER CUSHIONS \$8.00


MC-162 SMALL RUBBER CUSHIONS. \$6.95



HB-7 HEADBAND ONLY
WITH 4 1/2 FT.
CORD AND PL-55
TYPE PLUG. AIR
FORCE GREY.
\$3.00


MX-41/AR MEDIUM SIZE RUBBER CUSHIONS \$1.25

MC-162 SMALL RUBBER CUSHIONS \$1.00



HS-23 HEADSET
NEWLY MANUF.
WITH 4 1/2 FT.
CORD & PL-55
TYPE PLUG. AIR
FORCE GREY. 2000
OHM IMPEO. WITH
MX-41/AR MEDIUM
SIZE RUBBER
CUSHIONS \$6.95

MC-162 SMALL SIZE RUBBER CUSHIONS \$5.95



H-113/U HEADSET
600 OHM
SOFT PLASTIC
EAR CUSHIONS
18" CORD W/
PL-54 PLUG
THAT FITS
JK-26 JACK
(SEE CD-307
EXTENSION CORD ELSE-
WHERE ON THIS PAGE)
WT: 3LBS. USEO-EX \$3.95

H-62 HEADSET SAME AS H-113/U ONLY IN BLACK AND HAS PROVISIONS FOR SNAPPING ON LIP MICROPHONE CW-51071 LISTED BELOW. USED-EX. \$3.95

CW-51071 LIP MICROPHONE
100 OHMS IMPEDANCE W/
2 SNAPS FOR FASTENING
TO H-62 HEADSET, 14"
CORD W/ PL-291 PLUG
INTO EXTENSION CORD
CD-318 LISTED ON THIS
PAGE OR CW-49561 EXTEN-
SION CORD LISTED BELOW
USED \$1.00




TELEX MRB-12 HEADSET
50-10K CYC. CRY-
STAL TYPE.
MICRPHONE ON
ADJUSTABLE
BOOM, CERAMIC
50-9000 CPS. FIVE FOOT
CORDS WITH PL-55 ON EA.
RE-MOVEABLE RUBBER CUS-
HIONS FOR CLEANING.
BOOM MIC & HEADSET
50,000 OHM... USEO \$8.95
4,000 " USEO 9.95

LAFAYETTE MICROPHONE. HIGH OUT
PUT CERAMIC MIC.
PUSH TO TALK SW.
PLASTIC CASE,
COILED CORD,
5 PRONG
AMPEOL
PLUG.
UNUSED \$5.95 SHURE #CA9R

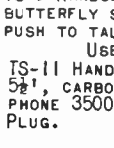


T-17 CARBON MICROPHONE
35 TO 90 OHMS. PUSH TO
TALK SWITCH, 5 FT. CORD
WITH PL-68 PLUG. (UNITS
SHIPPED MAY BE ALUMINUM
OR PLASTIC CASES) 1 LB.
USED
\$5.95
RE-COND.
\$7.50

MICROPHONE BUTTON & CAP ONLY FOR T-17, 4 HOLE MTG. #26490 NEW \$2.50



RS-38 MICROPHONE
100 OHM CARBON
PRESS TO TALK
SWITCH ON TOP
5 FT. CORD WITH
PL-68 PLUG. USED \$4.95
UNUSED W/ COILED CORD
12"-36" \$7.95 21"-66" \$8.95



TS-9 HANDSET NO PLUGS WITH
BUTTERFLY SWITCH &
PUSH TO TALK SWITCH & LUGS
USED \$3.95

TS-11 HANDSET; 4 COND-CORD, 5 1/2', CARBON MIC 50 OHM, PHONE 3500 OHM, W/ PL-106 PLUG. NEW \$4.95



RS-83 SOUND POWERED HANDSET
100 OHM CARBON MICROPHONE W/ PHONE W/ COILED CORD 1-4' STK #D173012 NEW \$7.95

TS-13 HANDSET CARBON MIC. 50 OHM, PHONE ELEMENT 3500, 1/4" CORD PL-68 & PL-55, BUTTER USED \$4.95


FLY SWITCH. USED \$4.95




HANDSET HOLDER
RUBBER COVERED AS ILLUSTRA \$1.50
CAST ALUMINUM \$2.00



T-24/M CARBON MICROPHONE
WITH PUSH TO TALK
BUTTON AND
MODIFIED WITH
4 FT. COILED
CORD & PL-68
PLUG. WT: 1/2 LB. PRICE: NEW \$4.95



ACOUSTIC CARBON MICROPHONE AND AMPLIFIER HEARING AID, HEAD BAND TYPE ASSEMBL
CONSISTS OF 1/2" MIC.
AND 3 TUBE AMPLI-
FIER WITH VOLUME
CONTROL AND BATTERY
COMPARTMENT
MOUNTED IN A
LIGHTWEIGHT HEADBAND. USES MERCURY BATTERY RM-1H & MINI-MAX 15 V. 504E EVEREADY. PRICED WITH TUBES, LESS BATTERIES AND PHONE UNIT—
#A200 NEW: \$2.95




ACOUSTIC HEARING AID MICROPHONE CASE ONLY
W/ TRANSFORMER, VOLUME CONTROL, RES. COND. AND BATT. HOLDER. NO MIC. BATT. OR TUBES. GOLD STAIN FINISH.
Size: 2 1/2 x 4 1/2; WT: 4 oz.
#A-320 \$3.59 2 FOR \$1




PUSH BUTTON & CALL SIGNAL LIGHT SAME SIZE AS TELEPHONE DIAL. MAKE OWN INTERCOM. \$3.39 EA. 3/\$1.00

TELEPHONE BELLS USE AS EXTENSION ETC. 2 LB. 4x4x1 483661A \$1.50

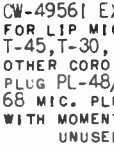


DYNAMIC HEADPHONES
50 OHMS IMP. MOVING COIL TYPE, HIGH QUALITY RE-PRODUCTION, CHAMOIS CUSHIONS AND "Y" CORD WITH PHONE PLUG. #ZA/CAN1638 UNUSED \$4.95


CHAMOIS CUSHIONS \$2.50 PR.




TELEPHONE TRANSMITTER CHEST SET; 150 OHM IMPEDANCE TRIANGULAR SHAPED BREASTPLATE, HORN MOUTHPIECE TYPE # A-1. NO STRAPS. WESTERN ELECTRIC #396A \$1.50




CW-49561 EXTENSION CORD FOR LIP MIC. CW-49561, T-45, T-30, M1/A OR ANY OTHER CORD WITH MATING PLUG PL-48/291. HAS PL-68 MIC. PLUG AND IS 5 FT. WITH MOMENTARY SWITCH. UNUSED \$1.50




M1/A CARBON MICROPHONE
75 OHM IMPEDANCE, FITS OVER MOUTH TO ELIMINATE NOISE, HELD IN PLACE BY STRAPS, FREQ RESPONSE 400-3200 CPS. 1 1/2" INCH CORD WITH PL-291 PLUG TO FIT CD-318 OR CW-49561 EXTENSION CORDS DESCRIBED ON THIS PAGE. NEW \$2.50



TELEGRAPH SET
TG-5 TELEGRAPH SET; PORTABLE UNIT USED FOR CODE COMMUNICATION OVER LAND WIRE LINES. TWO OR MORE UNITS CAN BE OPERATED IN SERIES. CAN BE USED FOR CODE PRACTICE OR TEACHING CONTAINS BELL CALL SYSTEM 1000 CYCLE TONE HOWLER, TEL. KEY, HEADPIECE, CANVAS CASE, BOOK ETC. REQUIRES 22.5 AND 2 1.5 VOLT BATTERIES FOR OPERATION. LESS BATT. SIZE: 5 1/2 x 10 1/2; WT: 8 LBS. PRICE: NEW \$9.95



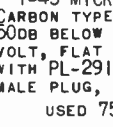
T-45 LIP MIC



DICTIONARY HEADSET, LIGHT BAND W/ PLASTIC EAR PCS. CONNECT TO RUBBER TUBES THAT COMES TO Y & RUBBER CUP 4" DIA. USE AS WAY OUT SOUND REPRODUCER #6C262-719 \$7.75



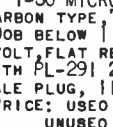
T-30 THROAT MIC. Elements only \$1.00 a dozen



T-45 MICROPHONE
CARBON TYPE 100 OHM 50DB BELOW 1 MILLIVOLT, FLAT RESPONSE WITH PL-291 2 CONT MALE PLUG, 11" CORD USED 75¢




CD-307 CORD EXTENSION FOR CORDS WITH PL-54 PLUG AS USED ON HEADSETS, 65" LG WITH JK-26 JACK & PL-55 PLUG. USED \$1.00



T-30 MICROPHONE
CARBON TYPE, 75 OHM 50DB BELOW 1 MILLIVOLT, FLAT RESPONSE WITH PL-291 2 CONT MALE PLUG, 11" CORD PRICE: USEO 3/\$1 UNUSED \$1.00



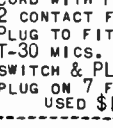
CD-318 EXTENSION CORD WITH PL-291 2 CONTACT FEMALE PLUG TO FIT T-45 & T-30 MICS. SW-141 SWITCH & PL-68 MIC PLUG ON 7 FT. CORD USED \$1.00



CD-604 CORD WITH IMPEDANCE MATCHING TRANSFORMER 500 OHM TO 4000, USED WITH HS-30 HEADSET, 6" CORD & PL-54 PLUG. NEW 50¢ USEO 25¢



MICROPHONE BUTTON CARBON 50 OHM WILL REPLACE F-1 ELEMENTS. #K-53-0654 \$1.00



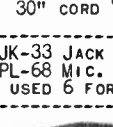
PL-68 MIC PLUG 30" CORD 75¢



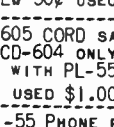
CD-605 CORD SAME AS CD-604 ONLY 30" LG. WITH PL-55 PLG USED \$1.00



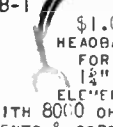
HB-1 \$1.00 HEADBAND FOR 1 1/2" ELEMENTS WITH 8000 OHM ELEMENTS & CORD \$2.95



JK-33 JACK TO FIT PL-68 MIC. PLUG. USED 6 FOR 50¢



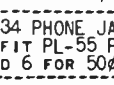
PL-55 PHONE PLUG 30" CORD 75¢



SOUND POWERED HEADPHONE IN PLASTIC CASE, NO CORD. #R5017 USED \$1.50



COILED CORD SET



MC-385 HIGH TO LOW ADAPTER IMPEDANCE FOR HEADSET 4000-6000 OHM USED \$1.50 NEW \$7.75




HEADSET EARPHONE CUSHIONS SPONGE RUBBER FOR 2 1/2" ELEMENTS. #48514 \$1.00 PAIR

COILED CORD SETS

THREE CONDUCTOR 24" TO 72" 75¢ 12" TO 36" 50¢

FOUR CONDUCTOR 12" TO 36" \$1.00


ONE CONDUCTOR #18 6 FT.-18 FT. \$1.00



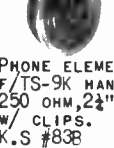
HANDSET HOLDER FOR HORIZONTAL MOUNTING. SIZE 1 1/2 x 3 1/2 #6988 \$1.50



DIAL ONLY \$1.95 USED \$2.50 EXCEL CONO



R-15 PHONE ELEMENT 6000 OHM W/ RUBBER CUSHION F/2" HEADBAND MGTG. \$1.25



PHONE ELEMENT F/TS-9K HANDSET 250 OHM, 2 1/2" DIA W/ CLIPS. K.S #838 \$1.00



CANADIAN PHONE ELEMENT 100 OHM 1 1/2" DIA. FOR 2" HEADBAND. #C-3 10A/36988 \$0.75



PHONE ELEMENT F/TS-13, H-23 ET HANDSET, TYPE 41 3500 OHM. AUTO. ELEC. D-5189A \$1.00



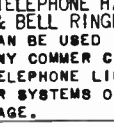
CANADIAN LIGHTWEIGHT HANDSET NO CORD PHONE 300 OHM MIC. 50 OHM #ITE NO1 MK-11 YA-7225 \$3.95



CANADIAN MICROPHONE W/ SWITCH & CORD FOR ABOVE PHONE, MAGNETIC 300 OHM, #10A/12 57L \$1.25



STANDARD TYPE TELEPHONE HANDSET & BELL RINGERS CAN BE USED AND ANY COMMERCIAL TELEPHONE LINE OR OR SYSTEMS ON THIS PAGE. PRICE: \$6.95 EX-CONDITION



STANDARD TELEPHONE HANDSET & CORD PRICE: \$4.95 EX-CONDITION



TELEPHONE BELL FOR MAGNETO GENERATORS. 2 1/2 x 3 # MC-131 \$1.50

TELEPHONE EQUIPMENT

EE-8 FIELD TELEPHONE, PORTABLE HANO RINGING TYPE. CAN BE USED WITH ANY MAGNETO TYPE SYSTEM SWITCHBOARD AS BD-71, 72, 89, 91, 96 ETC. OPERATES FROM 2 FLASHLIGHT BATTERY UP 17 MILES, TWO OR MORE PHONES CAN BE OPERATED ON TWO WIRE LINE. WITH CARRING CASE, STRAP & HANDSET.

SIZE: 8x10x3 $\frac{1}{2}$; WT: 18 LBS.
USED CHECKED LESS BATT. \$14.95

BD-71 SWITCHBOARD, PORTABLE 6 LINE HAND RINGING MAGNETO TYPE USING FLASHLIGHT BATTERIES FOR OPERATION. REPEATING COILS ON TWO LINES FOR SIMPLEXING, DROP SIGNAL AND NIGHT CALL BELL CAN BE USED WITH ANY MAGNETO TYPE TELEPHONES SUCH AS EE-8, RM-29, BD-72, 89, 91, 96 ETC. IDEAL FOR FACTORY, CAMP, FARM, MOTEL.. WITH CHESTSET MICROPHONE & HEADSET. LESS BATTERIES
SIZE: 18x12x4 $\frac{1}{2}$; WT: 75 LBS.
USED \$9.95 RE-NEW \$14.95

BD-89 SWITCHBOARD, SINGLE POSITION, TWO PANEL NON-MULTIPLE, MANUALLY OPERATED TELEPHONE SWITCHBOARD. MAGNETO & COMMON BATTERY LINES. 20 MAGNETO, 40 CB, 4 TWO WAY MANUAL, DIAL DROP END TRUNK CKT, 5 CONFERENCE JACKS, 3 OUTGOING CKT, 2 THRU-LINE & 13 UNIVERSAL CORD CKT. WITH CHEST MICROPHONE & HEADSET.
SIZE: 52x22x31; WT: 300 LBS.
USED \$59.50

WD-1/TT INFANTRY FIELD WIRE; 2 COND. TWISTED PAIR 4 TINNED COPPER, 3 GALV. STEEL, NYLON JACKET WEATHER MOISTURE & FUNGUS RESIS. APPROX. 1200 FT. ON METAL SPOOL \$15.00; APPROX 1 MILE ON METAL SPOOL 4 LENGTH OF APPROX 1250 FT. \$40.00; COND. USED GOOD
WD-7 COPPER WELD FIELD TELEPHONE WIRE; 2 COND. TWISTED PAIR EACH COND. 7 STRAND #28 COPPER WELD. NEW MANUFACTURE. \$.03 PER FT. 1000 FT. OR MORE \$0.25 PER FOOT.

BD-95 SWITCHBOARD: CORDLESS LOCAL BATTERY UNIT EQUIPPED WITH LINE LAMP SUPERVISION AND DESIGNED FOR SWITCHING LOCAL BATTERY LINES MAGNETO TYPE, MAY BE MODIFIED FOR COMMON BATTERY LINES ALSO CAN BE USED WITH OTHER TRUNK, TIE LINE LOCAL BATTERY SWITCHBOARDS.
RE-NEW
SIZE: 22x14x14; WT: 250 LBS. PRICE: \$24.95

A-202 CODE PRACTICE TELEGRAPH KEY WITH BUZZER AND CORD. ADJUSTABLE KEY WITH ADJUSTABLE BUZZER THAT WILL OPERATE FROM 9-12 VOLT D.C. MOUNTED ON BLACK BAKELITE BOARD WITH ENOUGH ROOM TO REST FIST, RUBBER FEET ON BOTTOM.
KEY SIZE 4x $\frac{1}{2}$ x1 $\frac{1}{2}$, BUZZER SIZE 1 $\frac{1}{2}$ x1 $\frac{1}{2}$ x $\frac{1}{2}$; BOARD 3 $\frac{1}{2}$ x7 $\frac{1}{2}$; WT: 1 $\frac{1}{2}$ LB
PRICE: NEW \$1.50

TG-10 KEYSER IS A AUTOMATIC UNIT FOR PROVIDING AUDIBLE CODE PRACTICE SIGNALS FROM AN INKED TAPE RECORDING. THE OUTPUT OF THE KEYSER IS AN AUDIO FREQ. NOTE OF 800 CYCLES PER SEC. WITH SUFFICIENT POWER TO SUPPLY A NUMBER OF HEADSETS OR PRACTICE TABLES DIRECT CAN ALSO BE USED AS A TELEGRAPH KEY AMPLIFIER OR TAPE PULLER FOR A RECORDER. OPERATES FROM 115 VOLT 60 CYCLE. COMPLETE WITH TUBES; 2/6N7 2/6L6, 2/6SJ7, 1/5U4 & 1/923.
SIZE: 24x11x18 $\frac{1}{2}$; WT: 63 LBS.
PRICE: USED CHECKED \$19.95 NOT CHECKED \$14.95

VO-3 OSCILLATOR IS AN ELECT-AUDIO TONE GENERATOR WITH A 10 WATTS OF POWER OUTPUT AT A FREQ. OF 800 CYCLES PER SEC COND. THIS POWER IS ADEQUATE FOR SUPPLYING TONE TO 200 HEAD SETS THAT CAN BE KEYSER BY THE INSTRUCTOR OR STUDENTS AND FEED INTO A SPEAKER OR RECORDER. OPERATES FROM 115 VOLT 60 CYCLE, COMPLETE WITH TUBES 1/6SN7, 1/5U4 & 2/6V6GT, OUTPUT 4, 8, 12 & 16 OHMS. SIZE: 12x $\frac{1}{2}$ x10 $\frac{1}{2}$ x7 $\frac{1}{2}$; WT: 24 LBS.

GAS ENGINE GENERATOR

COMPACT, LIGHTWEIGHT, PORTABLE ELECTRIC GENERATING SET CONSISTING OF A 1 HP, 3000 RPM 1 CYLINDER, AIR COOLED, 2 CYCLE, MANUAL ROPE STARTING GASOLINE ENGINE DIRECTLY CONNECTED TO A DC, SHUNT WOUND, SELF EXCITED, FOUR POLE GENERATOR CONTAINED IN A FRAME OF TUBULAR CONSTRUCTION MOUNTED ON A RUBBER SHOCK MOUNTING. GENERATOR OUTPUT IS 6.2/7 VDC 3.5 AMP. AND 500 VDC 230/250 MA. UNIT HAS JUNCTION BOX FOR CONNECTING CABLES FOR USE WITH USE WITH RADIO SETS SCR-694/BC-1306, AN/GRC-9/RT-77 AND IS APPLICABLE TO OTHER EQUIPMENT. COMPLETE WITH TOOL AND INSTRUCTION BOOK. SIZE: 17 $\frac{1}{2}$ x16x11 WT: 57 $\frac{1}{2}$ SHPG. WT: 125 LBS.
NEW \$39.95

MULTIPEX

PHILCO CST-2 SIGNALING AND TERMINATION UNIT. FOR USE IN MULTIPLEX SYSTEMS FOR TRANSMISSION OF DIAL OR RINGDOWN SIGNALING AND TERMINATES A FOUR WIRE CIRCUIT OF THE MULTIPLEX INTO A TWO WIRE TELEPHONE CIRCUIT. A 3.5 KC TONE IS USED FOR SIGNALING. ALSO HAS CONTROLS FOR PROPER ATTENUATION OF VOICE LEVEL. OPERATES FROM 115 V. 60 CYC. AND IS COMPLETE WITH 2/12AU7 TUBES, RELAYS, RACK MTG. 19x4 $\frac{1}{2}$ x12; WT: 25 LBS.
PRICE: UNUSED \$39.95

CN-359/GPA-23 REGULATOR VOLTAGE. 120/208 VOLTS 60 CYCLE, 3 PHASE, 27 KVA. MOTOR DRIVEN POWERSTAT ELECTRONICALLY CONTROLLED. THREE SEPARATE SYSTEMS THAT WILL GIVE CONTROL, 3 PHASE IN, 3 PHASE OUT OR 3 PHASE IN, SINGLE PHASE OUT OR CAN BE DISMANTLED AND HAVE THREE SEPARATE SINGLE PHASE IN AND SINGLE PHASE OUT. CONSISTS OF 3 MOTORIZED POWERSTAT TRANSFORMERS 3 LOW VOLTAGE TRANS. 3 ELECTRONIC CONTROL CKEASIS, SWITCHES, FUSES, METER ETC. USED CHECKED
SIZE: 27x31x26; WT. SHPG. 420 LB. \$175.00

COMPUTER CONTROL

CP-53/APC-31 COMPUTER AZIMUTH CONTROL UNIT. CONTAINS A GYRO UNIT, 5 SYNCHRO 1 $\frac{1}{2}$ " TYPE 400 CYCLE, 2 SPERRY DC SERVO MOTORS R5663916, RELAYS, TERMINAL STRIPS, SEVERAL SIZES OF GEARS, RESISTORS, CONDENSERS, TWO SERVO AMPLIFIERS #673097 (PLUG IN TYPE) WITH 6 TUBES, AND HEATING ELEMENT. ALSO 115 V. 400 CYC. 1 $\frac{1}{2}$ " ELAPSED TIME INDICATOR. SIZE: 11x9x15 $\frac{1}{2}$; WT: 18 LB. \$7.95

MODULATOR

GENERAL ELECTRIC MODULATOR NO. 40X1001. TELEPHONE-TELEGRAPH TYPE UNIT FOR RACK MOUNTING, DUAL CHANNEL OPERATION USING 12AT7, 12AV7 AND 12AT7 EA. CHAN. FEEDING 12AV7, SEVEN TUBES IN ALL. TWO TRANS. 600 OHM CT. PRI. 250K OHM SEC. SIZE 1 $\frac{1}{2}$ x1 $\frac{1}{2}$ x2, TWO RELAYS DPDT AUTOMATIC #7772962-33, FOUR S0-239 COAXIAL CONNECTORS FOR TIMER AND VIDEO. SEVEN VARIABLE CONTROLS AND 6 TEST JACKS. SIZE: 19x7x7; WT: 15 LBS. UNUSED \$7.95

RT-7/APN-1 RADIO AIRCRAFT ALTITUDE RECEIVER-TRANSMITTER FM 418-462 MC. INDICATES ON INSTRUMENTS 1D-14/APN-1 & SA-1/ARN-1 SHOWN ELSE WHERE IN THIS CATALOG. WITH TUBES 3/12SJ7, 4/12SH7, 2/12H6, 2/955, 2/9004 & 1/VR-105 ALSO 24VDC DYNAMOTOR THAT SUPPLIES THE HIGH VOLTAGE.
SIZE: 8x18x8 $\frac{1}{2}$; WT: 25 LBS. PRICE: USED \$6.95
MT-14 MOUNTING FOR RT-7/APN-1 \$2.75
1D-14/APN-1 RADIO ALTITUDE METER 1.50
SA-1/ARN-1 ALTITUDE LIMIT SWITCH 1.50
AT-4/APN DI-POLE ANTENNA USED CRACKED IN2.95
CONNECTOR PLUGS TO FIT R/T-IND-METER EA. 1.50

U.H.F. TUNERS

ULTRA HIGH FREQUENCY ASSY. TUNING UNIT USING 2C39 TUBE AS DRIVER AND A 2C39 AS A POWER AMPLIFIER. FREQ. OUTPUT 225-350 MC. 6F4 TUBE USED AS OSCILLATOR 112-175 AND 6F4 DOUBLER CIRCUIT. TUNED CIRCUITS ARE GANGED FOR SINGLE KNOB CONTROL ALSO HAS HAYDON 4.5 V. 75 MA. 12 RPM TIMER MOTOR. REMOVED FROM ARC-12 EQUIPMENT.
SIZE: 10x6x4; WT: 7 LBS. #KS-10362
PRICE: LESS TUBES \$3.95

ULTRA HIGH FREQUENCY TUNER; CONSISTS OF RECEIVER R.F. AMP LIFIER, MIXER AND H.F. OSCILLATOR, 225 TO 350 MC. OUTPUT TO 1.5 15.1, USES 6/6AK5 AND 1/6AS6 TUBES. ALSO CRYSTAL BETWEEN 13 AND 41.5 MC. VARIABLE CONDENSERS 1/4 GANG 4-24 MMFD. PER SEC. OTHER 4 GANG 3 SEC. 4-25 MMFD. 1 SEC. 5-41 MMFD. SINGLE DIAL CONTROL. REMOVED FROM ARC-12 EQUIP. SIZE: 8 $\frac{1}{2}$ x5x3; 4LB. KS-10329 LESS TUBES
PRICE: \$1.95

TELETYPE PAPER

TELETYPE PAPER $\frac{1}{8}$ INCHES WIDE $\frac{1}{4}$ INCH DIAMETER THREE SHEETS OF PAPER 2 SHEETS CARBON, 4 LBS. PRICES: EACH ROLL 50¢; 12 ROLLS \$5.00

TELETYPE PERFORATOR TAPE 11/16" WIDE APPROX. 900 FT. OILED, 10 ROLLS \$2.50

GENERATOR

GN-41B LARGE HAND CRANK GENERATOR WITH PERMANENT MAGNETS. USED TO RING TELEPHONE LINES, HAS OUTPUT OF APPROX 100 VOLTS DEPENDING ON SPEED THAT CRANK IS TURNED. CAN ALSO BE USED AS SHOCK MACHINE, LIGHT SMALL PILOT LITES OR WORMS OUT OF THE GROUND BY WIRING THE OUTPUT TO THE METAL STAKES AND PUSHING THEM INTO THE LAWN AND FOR OTHER USES.
SIZE INCLUDING CRANK 6 $\frac{1}{2}$ x3x2 $\frac{1}{2}$; WT: 3 LBS \$3.95

CP-103/APA-44 RANGE COMPUTER, PART OF A AIRCRAFT COMPUTER LANDING SYSTEM. WITH 2 MOTORS, 2 AUTOSYNE 2 MICROPOTS, SLIP RING, RELAYS, RECTIFIERS, PRECISION RESISTORS, 12 GRAIN OF WHEAT LAMPS, SPIN KNOBS, SWITCHES DIALS ETC
SIZE: 7 $\frac{1}{2}$ x12 $\frac{1}{2}$ x8; WT: 25 LBS. USED \$12.95

MAGNETIC AMPLIFIER

TRANSMITTER SUB-ASSY. FILAMENT CHASSIS, PART OF AN/ALT-8 COUNTERMEASURES SET. CONSISTS OF CK927 FULL WAVE RECTIFIER CK843 SILICON RECT. TWO CK846 SILICON RECT., MAGNETIC AMPLIFIER TRANS. FIL. TRANS. 115/400 CYC. SEC. 6.3/6A. MINIATUR POT. AND DPST RELAY ALL MOUNTED ON CHASSIS
7 $\frac{1}{2}$ x3x3 $\frac{1}{2}$; WT: 3LBS. PART #2527-501-G1
PRICE: NEW \$1.95

TS-545 ECHO BOX ; USED FOR CHECKING RADAR SETS IN THE FREQ. RANGE 1150 TO 1350 MC. TUNED CAVITY MANUAL TYPE W/TER 3 $\frac{1}{2}$ " 0-100 DC MICRAMPERES.
SIZE: 16x9x9; WT: 23 LBS. USED \$39.50

TS-270 ECHO BOX; SIMILAR TO ABOVE ONLY FREQ. 2630 TO 2970 MC.
PRICE: USED \$39.95

TG-34A KEYSER: CODE PRACTICE SET USED TO REPRODUCE SIGNALS PREVIOUSLY RECORDED ON INKED PAPER TAPES. VARIABLE SPEED MOTOR, KEYSER OSCILLATOR WITH SPEAKER AND PHONE JACK. OPERATES FROM 115/230 50/60 CYC. HOUSED IN PORTABLE CARRING CASE. SIZE 15x10x10; WT: 40 LBS.
PRICE: RE-NEW, CHECKED \$24.95

BLANK PAPER TAPE FOR TG-34 & TG-10 3/8" WIDE 800 FT. LONG, APPROX. 8" REEL. PRICE: 5 REELS FOR \$1.25

INVERTERS



EICOR INVERTER X3516-1
 INPUT: 27.5 VDC 165 AMPS.
 OUTPUT: 115 VOLT 400 CYCLE
 2500 V.A 1 PHASE
 SIZE: 16x11x8; WT: 75 LBS.
 EXCELLENT COND. \$49.50

PE-218D INVERTER
 INPUT: 25/28 VDC 80-90 AMF
 OUTPUT: 115 VOLT 400 CYCLE
 13 AMP. 1 PHASE
 SIZE: 17x10x9; WT: 75 LBS.
 PRICE: UNUSED \$50.00



MG-149F INVERTER
 INPUT: 24 VDC 36 A. 750VA
 OUTPUT: 115 V 400 CYCLE
 1 PHASE 500 VA & 26 V 400
 CYCLE 1 PHASE 250 VA.
 SIZE: 12x8x8; WT: 25 LBS.
 PRICE: USED \$24.95

MG-153 INVERTER
 INPUT: 24 VDC 52A 1000 VA
 OUTPUT: 115 V 400 CYCLE
 3 PHASE 750 VA & 26 V 400
 CYCLE 1 PHASE 250 VA.
 SIZE: 12x8x8; WT: 28 LBS.
 PRICE: USED \$24.95

PE-104 POWER CONVERTER
 6 OR 12 VDC
 INPUT, OUTPUT
 90 VDC, 1 1/2 VDC AND -45 VDC
 SIZE: 4x4x7; WT: 10 LBS.
 NEW \$3.95 W/EXTRA VIB. \$4.95

TRANSFORMER FOR TRANSISTORIZED POWER SUPPLY.
 FROM 12 VDC INPUT OUTPUT 450 VDC 200 MA. HAS IRON CORE FEED-BACK WINDING (1000 CYCLE) CIRCUIT DIAGRAM FURNISHED. SIZE: 2x2x2 1/2; WT: 2 LBS. #150-95 \$3.95



RA-62 AC POWER SUPPLY

Power Supply used with SCR-522 Transmitter-Receiver supplies all the necessary voltages.
 INPUT: 115/230 60 cycle
 OUTPUT: 300 VDC 230 MA.
 -150 VDC 8 MA.
 13 VDC 3.9 AMPS.
 Completely fused & filtered.
 Size 16 x 11 1/2 x 11 Wt. 75 lbs.
 PRICE: USED CHECKED \$59.50



G-24 AC & DC GENERATOR

OUTPUT
 115 VAC 800 CYCLE 10.5 A.
 28 VDC 60 AMP. @ 2400 RPM.
 SPLINE SHAFT SIZE 7/8x1 1/2
 SIZE: 6x7x13; WT: 45 LBS.
 RE-COND. \$19.95



D.C. AIRCRAFT MOTOR
 GE# 58450LJ29-HP .4
 RPM 3000 ARM.V 60 FLD.V 27
 AMPS. FLD. 2.3, ARM. 6.5
 DUTY 10 MIN. INT. AT FULL
 RATING.
 SHAFT, CORK SCREW 5/8" DIA.
 FLANGE MTG. 3/4 IN CNTS.
 SIZE 6 1/2" LESS SHAFT 4 1/2x4 1/2
 WT: 11 LBS. UNUSED \$4.95



AIRCRAFT MOTOR
 MAXSON MODEL 118 H.P. 1
 RPM 5800; 24 VOLTS DC
 55 AMPS., SPLIT FIELD,
 REVERSIBLE SHUNT, DOUBLE
 END SHAFTS WITH GEAR 1 1/2"
 1/3-8" FLANGE MTG. 3/4" CT.
 SIZE: 6x4x4 1/2; WT: 15 LBS.
 UNUSED \$4.95

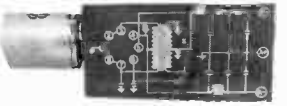
ELECT. ENG. MFG.
 Type C-368, 26VDC
 35 AMPS. 600 WAT
 1/2 HP, APP. 3000
 RPM. VERT. KEYED 12 LBS
 SHAFT 3/8" DIA. 3/16 SLOT.
 FL. MTG. 3/4" CT. 7" LG. \$4.95

INVERTER
 INPUT
 27.5 VDC 60A
 OUTPUT
 115 V 400 CY
 750 W 3 PHASE
 26 V 400 CY
 50 W 1 PHASE
 SIZE 11x10x6; WT: 40 LBS.
 LELAND#10285 USED \$34.95

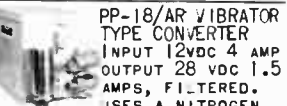
INVERTER
 INPUT
 27 1/2 VDC 22A
 OUTPUT
 115V 400 CY
 3 PH 250 VA
 SIZE 9x6x4; WT: 15 LBS.
 ECLIPSE#E-1617-1 USED \$14.95



VIBRATOR POWER SUPPLY
 TWO 6 VOLT SUPPLIES ON A
 COMMON CHASSIS USING O24
 RECTIFIER TUBES, OUTPUT 540
 VDC @ 150 MA. CAN BE TAPPED
 AT 270 VDC 150 MA.
 SIZE: 9x6x5; WT: 10 LBS.
 STK#3H6694-5 UNUSED \$9.95



MINI VIBRATOR SUPPLY
 PP-855/PRC-14, AIRPAX No.
 A-1063, VIBRATOR TYPE WITH
 FILTER NETWORK, INPUT 6VDC
 5.35 AMPS. OUTPUT 135 VDC
 155 MA. VIBRATOR MOUNTS
 OF UNIT. 7 1/2x2 1/2x2 1/2; WT: 3LB
 NEW \$4.95



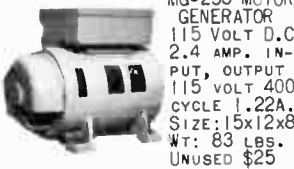
PP-18/AR VIBRATOR TYPE CONVERTER
 INPUT 12VDC 4 AMP
 OUTPUT 28 VDC 1.5
 AMPS, FILTERED.
 USES A NITROGEN
 SEALED VIBRATOR. USED TO OP
 ERATE 28 VOLT EQUIPMENT FRO
 12 VOLTS. TWO OR MORE CAN
 BE WIRED IN PARALLEL TO OB
 TAIN A HIGHER CURRENT OUTP
 UT. WITH PLUGS, MTC & SPARI
 VIBRATOR. 6 1/2x5 1/2x8 1/2; WT: 9 LBS.
 NEW \$7.95 USED \$4.95

FT-498 SHOCK MOUNTING WITH FOUR 10 LB. RUBBER MOUNTS ON A ALUMINUM PLATE 13x8x1 1/2; WT: 2 LBS. PRICE: \$1.00

VOLTAGE REGULATOR
 INPUT 21-30 V.D.C
 5 AMPS. REGULATION
 18-30 vdc #451M281
 SIZE: 4x3; 3LBS.
 \$1.50

PI GENERATOR

OUTPUT: 28 VDC 200 AMPS.
 2500 TO 6000 RPM.
 SPLINED SHAFT 7/8 x 1 1/2;
 SIZE 6x8x14 1/2; WT: 48 LBS.
 PRICE: USED \$19.95



MG-253 MOTOR GENERATOR
 115 VOLT D.C
 2.4 AMP. INPUT, OUTPUT
 115 VOLT 400
 CYCLE 1.22A.
 SIZE: 15x12x8
 WT: 83 LBS.
 UNUSED \$25

5D21NJ3A INVERTER
 INPUT: 27 VDC 35 AMPS.
 OUTPUT: 115 VAC 400 CYCLE
 1 PHASE 2.17 AMPS.
 SIZE: 9x6x5 1/2; WT: 25 LBS.
 USED \$16.95 (UNUSED \$24.95)

GENERATOR GA2N-211219C
 OUTPUT: 12.5 VDC 4 AMPS.
 240 VDC 100 MA.
 INPUT DRIVE: 3/16 HP.
 3450 RPM.
 SHAFT SIZE: 3/8 x 1 1/2
 MOTOR SIZE: 5 x 6 x 9 WT. 25 lbs.
 Used: \$4.95 New \$6.95

1100 VDC 400 MA
 INPUT: 24/28V 27
 OUTPUT: 1100 VDC
 400 MA.
 SIZE: 10 1/2x6 1/2; WT: 30 LBS.
 TYPE SU125 UNUSED \$16.95

SOLID INVERTER
SOLID STATE SUPPLY
 12 VDC
 INPUT 12 VDC @ 1 AMP.
 OUTPUT 26 V 400 CYCLE 26 W
 DESIGNED FOR REMOTE READING
 MAGNESYN COMPASS SYSTEM.
 SIZE: 5x2x1 1/2; WT: 1 LB.
 #WS-957 NEW MANUFACT. \$15.00

6 VOLT
CARTER MAGMOTOR DYNAMOTOR
 INPUT: 6 VDC 3.6 AMPS.
 OUTPUT: 250 " 30 MA.
 SIZE: 3 1/2x5x3; WT: 6 LBS.
 UNUSED-RE-MOVED \$4.95

INVERTER
800-1-A
 WT. 35 lbs.
 Size 4 1/2 x 8 x 12

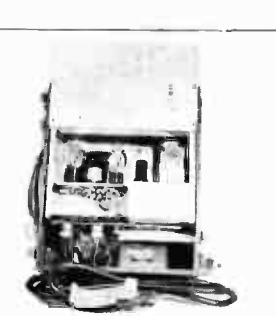
INPUT: 24 VDC 75 AMPS.
 OUTPUT: 115 VAC 800 CYCLE
 1 Phase 10.5 AMPS.
 USED \$12.95



PE-237 POWER SUPPLY VIBRATOR TYPE
 INPUT: 6 VDC 27 AMPS.
 12 VDC 13.2 "
 24 VDC 7 "
 OUTPUT: 525 VDC 90 MA.
 105 VDC 42 MA.
 6.5 VDC 2 AMPS.
 6 VDC 500 MA.
 1.3 VDC 450 MA.
 130 VDC 17 MA.
 With tubes & vibrator.
 Size 10 x 10 x 17 Wt. 70 lbs.
 USED \$14.95 RE-NEW \$19.95



CARTER GENERATOR MOTOR
 MOTOR LA#259K1003
 INPUT: 26 1/2 VDC 7 AMPS
 OUTPUT: 405 VDC 270 MA.
 SIZE: 7x4x5; WT: 12 LBS.
 USED \$2.95 NEW \$3.95



PE-120 Power Supply
 INPUT: 6 VDC 4.5 MP.
 12 VDC 2.5 AMF.
 2A VDC 1.5 AMP.
 OUTPUT: 145 VDC 75 MA.
 90 VDC 40 MA.
 1.5 VDC .75 AMP.
 Vibrator type voltage regulated complete with tubes OB-3/VR-105, 1005 & Ballast. Also vibrator for 12 VDC.
 Size 4 1/2 x 13 1/2 x 15 1/2 WT. 29 lbs
 RE-NEW \$7.95



VRC-2 DYNAMOTOR
 INPUT: 5.5 VDC 31 AMPS
 OUTPUT: 600 VDC 175 MA
 SIZE: 7 x 4 1/2 x 4 1/2 WT: 8 LBS
 STK. # 3H1514-5
 PRICE RE-NEW \$7.95



PE-49 GASOLINE ENGINE GENERATOR



Size: 5 x 8 x 12 Wt. 35 lbs.
DY-9E DYNAMOTOR

INPUT: 14 VDC 21 AMPS.
 OUTPUT: 300 VDC 260 MA.
 150 VDC 10 MA.
 USED \$5.95 UNUSED \$9.95

PE-94 DYNAMOTOR
 INPUT: 28 VDC 10.5 AMPS.
 OUTPUT: 300 VDC 260 MA.
 150 VDC 10 MA.
 14.5 VDC 5 AMPS.
 Used \$4.95



TCS POWER SUPPLY COLLINS 21881
 INPUT: 12 VDC 14.5 AMP.
 OUTPUT: 400 VDC 200 MA.
 225 VDC 100 MA.
 Size: 7 1/2 x 7 x 13 WT. 28 lbs.
 Gov't RECORD. \$14.95



DY-17 USED \$12.95
 INPUT: 27 VDC 32 AMPS.
 OUTPUT: 400 VDC 750 MA.
 750 " 350 "
 SIZE: 6 1/2 x 8 x 12; WT: 30 LBS.
DY-12 WINCHARGER, WRITE AS TO AVAILABILITY AND PRICE.

VIBRATOR PACK
VIBRATOR
 PACK 12 VDC
 MALLORY G369
 OUTPUT 275
 VDC @ 80 MA
 SELF-RECTIFY
 SIZE: 5 1/2 x 6 x 3
 WT: 7 LBS.
 USED \$4.95

MALLORY VIBRATOR PACK 12 VDC @ 3 AMPS. OUTPUT 300 VDC @ 100 MA. #12B300C LESS RECTIFIER TUBE. 10 LBS SIZE: 6 1/2 x 4 x 4 1/2; USED \$4.95

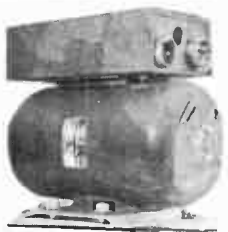
TBY VIBRATOR PACK CLG20144
 INPUT 4 VDC @ 2.5 AMP.
 OUTPUT 156V @ 35MA. 1.5V @ 190MA. -7.5V @ 30MA. (USED)
 SIZE: 6 1/2 x 4 1/2 x 3 1/2; 8 LBS. \$4.95



DY-9B/ARC DYNAMOTOR
 INPUT VOLTS AMPS. OUTPUT VOLTS AMPS.
 26 4.3 360 CONT. 135
 26 7.8 310 INT. .355
 SIZE: 9x5x3 1/2; WT: 10 LBS.
 RE-MOVED F/EQUIP. \$9.95

GENERATOR OUTPUT 1000 VDC 350 MA & 14.6 VDC 25 AMPS. ENGINE: 1 CYCL. 4 CYCLE APPROX. 3 HP. SIZE: 36x20x25; WT: 275 LBS. PRICE: \$75.00

DYNAMOTORS



Size 6½ x 10 x 11 WT. 38 Lbs.
With fuses and starting relay.

ED-77 DYNAMOTOR

INPUT: 14 VDC 39 AMPS.
OUTPUT: 1000 VDC 350 MA.

UNUSED \$12.95

PE-73 DYNAMOTOR

INPUT: 28 VDC 19 AMPS.
OUTPUT: 1000 VDC 350 MA.

WRITE FOR PRICE

DM-42 DYNAMOTOR



USED
\$4.95

INPUT: 12 VDC 39 AMPS.
OUTPUT: 515 VDC 215 MA.
" 1030 " 260 MA.
SIZE: 7x7x11 WT: 38 LBS.



DYNAMOTOR ONLY

INPUT: 27 VDC 32 AMP.
OUTPUT: 400 VDC 750 MA
750 " 350 "

SIZE: 11½x5; WT: 17 LBS.
DY-17/ART-13 UNUSED \$9.95
DY-12/ " " \$14.95



**PE-98
PE-94
DYNAMOTORS
ONLY**

PE-98 DYNAMOTOR ONLY
INPUT: 14 VDC 21 AMPS.
OUTPUT: 300 VDC 260 MA
-150 VDC 10 MA
SIZE: 12x5x5; WT: 26 LBS.
UNUSED \$5.95

PE-94 DYNAMOTOR ONLY
INPUT: 28 VDC 10.5 AMPS
OUTPUT: 300 VDC 260 MA
-150 VDC 10 MA
14.5 " 5 AMPS
SIZE: 12x5x5; WT: 26 LBS.
UNUSED \$4.95



DA-19A DYNAMOTOR

INPUT: 28 VDC 11 AMPS.
OUTPUT: 400 " 400 MA.
SIZE: 7½x4½x4½; WT: 13 LBS
UNUSED \$4.95

BRUSH SETS



DY-12
DY-17
BRUSHES
\$3.00

- | | | | |
|--------|-------|-------|-------|
| DM-21 | DM-25 | DM-28 | DM-32 |
| DM-33 | DM-34 | DM-35 | DM-36 |
| DM-37 | DM-40 | DM-41 | DM-42 |
| DM-43 | DM-45 | DM-53 | |
| BD-83 | BD-93 | BD-77 | |
| PE-73 | PE-86 | | |
| DA-12 | DA-14 | DA-1A | |
| DY-21 | DY-22 | | |
| SP-125 | | | |

35x032

OTHER TYPES ALSO AVAILABLE
SET OF FOUR BRUSHES \$1.00



Size 3 x 3½ x 4½, Wt. 3 lbs.

DM-32 DYNAMOTOR

INPUT: 28 VDC 1.1 AMPS.
OUTPUT: 250 VDC 60 MA.
Price: Used \$2.95 New \$4.95

**TYPE 35 x 032
(Same as DM-32 only 12V)**

INPUT: 14 VDC 2.4 AMPS.
OUTPUT: 250 VDC 60 MA.
Price: New \$4.95

DM-53 AZ DYNAMOTOR

INPUT: 14 VDC 2.8 AMPS.
OUTPUT: 220 VDC 80 MA.
Price: NEW 7.95

DM-53 DYNAMOTOR

INPUT: 28 VDC 1.4 AMPS.
OUTPUT: 220 VDC 80 MA.
NEW \$6.95 USED \$3.95



Size 3 x 3 x 4½, Wt. 3 lbs.

DM-45 DYNAMOTOR

INPUT: 24 VDC 1.1 AMPS.
OUTPUT: 250 VDC 50 MA.
Price: Used \$2.95 New \$4.95

DM-25 DYNAMOTOR

INPUT: 12 VDC 2.2 AMPS.
OUTPUT: 250 VDC 50 MA.
Price: Used \$2.95 New \$4.95



WEST 12B6534 DYNAMOTOR

INPUT: 24 VDC 1.75 AMPS.
OUTPUT: 300 VDC 70 MA.
Price: Used \$2.95 New \$4.95

Size 3 x 3 x 4½, Wt. 3 lbs.
Dynamotors listed below
same size only less base.

DM-6936 DYNAMOTOR

INPUT: 28 VDC 1.1 AMPS.
OUTPUT: 250 VDC 60 MA.
Used \$1.95 Unused \$3.95

DM-310A DYNAMOTOR

INPUT: 12 VDC 2.8 AMPS.
OUTPUT: 150 VDC 100 MA.
Used \$2.95 Unused \$4.95

TYPE 5047 DYNAMOTOR

INPUT: 27 VDC 1.75 AMPS.
OUTPUT: 285 VDC 75 MA.
Used \$3.95 Unused \$5.95



PM DYNAMOTOR
INPUT: 120R24
VDC @ 84 AMP
OUTPUT: 275VDC
@ 110 MA & 12
VDC @ 3 AMPS. CAN ALSO BE
USED TO GET 24V w/12V INPUT
7½x4½x3; 6LBS #0516 \$6.95



Size 3 x 4½ x 6½, Wt. 5 lbs.

DM-34 DYNAMOTOR

INPUT: 14 VDC 2.8 AMPS.
OUTPUT: 220 VDC 80 MA.
Used \$2.95 Unused \$4.95

DM-36 DYNAMOTOR

INPUT: 28 VDC 1.4 AMPS.
OUTPUT: 220 VDC 80 MA.
Used \$2.95 Unused \$4.95



Size 3½ x 5 x 5½, Wt. 3½ lbs.

DM-86 DYNAMOTOR

INPUT: 28 VDC 1.25 AMPS.
OUTPUT: 250 VDC 60 MA.
PRICE: Used \$2.95 New \$4.95



Size 3½ x 5 x 6½, Wt. 5½ lbs.

DM-28 DYNAMOTOR

INPUT: 27.9 VDC 1.25 AMP
OUTPUT: 220 VDC 70 MA
PRICE: USED \$6.95



INPUT: 12 VDC 9.9 AMP.
OUTPUT: 400 " 180 MA.
SIZE: 4x4½x7; WT: 10 LBS.
PRICE: UNUSED \$6.95

**DA 14A SPECIAL
WITH BASE**

INPUT: 14/28 VDC 3.3/1.6 A
OUTPUT: 230 VDC 100 MA.
SIZE: 3½x3½x6; WT: 6 LBS.
UNUSED \$6.95



**DM-21
DYNA-
MOTOR**

INPUT: 14 VDC 3.3 AMP.
OUTPUT: 235 VDC 90 MA.
SIZE: 6x5x3; WT: 8½ LBS.
PRICE: USED \$7.95



DY-21 DYNAMOTOR

INPUT: 27 VDC 7 A
OUTPUT: 410 " 325 MA.
SIZE: 7½x3x3½; WT: 8½ LB
PRICE: USED \$7.95



Size 4½ x 5½ x 6½, Wt. 10½ lbs.

DM-83 DYNAMOTOR

INPUT: 14 VDC 6.5 AMPS.
OUTPUT: 375 VDC 150 MA.
UNUSED \$7.95

CW21441 DYNAMOTOR

INPUT: 28 VDC 2.9 AMP
OUTPUT: 330 " 135 MA
NEW \$3.95

DM-416 DYNAMOTOR

INPUT: 28 VDC 3.1 AMPS.
OUTPUT: 330 VDC 470 MA.
Used \$1.95 Unused \$7.95

DM-93 DYNAMOTOR

INPUT: 28 VDC 3.2 AMPS.
OUTPUT: 375 VDC 150 MA.
Used \$2.95 Unused \$4.95



Size 4 x 7 x 6½, Wt. 10½ lbs.

DM-133 DYNAMOTOR

INPUT: 12 VDC 2.3 AMPS.
OUTPUT: 230 VDC 90 MA.
Used \$4.95 Unused \$6.95



Size 5½ x 6 x 8½, Wt. 12½ lbs.

TYPE 377 DYNAMOTOR

INPUT: 14 VDC 8 AMPS.
OUTPUT: 425 VDC 163 MA.
Used \$6.95 Unused \$9.95



Size 5½ x 3½ x 7, Wt. 7 lbs.

DM-40 DYNAMOTOR

INPUT: 14 VDC 3.4 AMPS.
OUTPUT: 172 VDC 138 MA.
PRICE: USED \$3.95

INPUT: 13/26 VDC 12.5/6.3A
OUTPUT: 400 " 135 MA.
800 " 20 "
9 v 80 CYC 1.12 AMP.
SIZE: 14x4½x7; WT: 15 LBS.
PRICE: NEW \$7.95
CONNECTOR PLUG 1.50



Size 4½ x 4½ x 8½, Wt. 13 lbs.

DM-35 DYNAMOTOR

INPUT: 12.5 VDC 18.7 AMPS.
OUTPUT: 625 VDC 225 MA.
Gov' RE-NEW \$20.00

DM-37 DYNAMOTOR

INPUT: 25.5 VDC 9.2 AMPS.
OUTPUT: 625 VDC 225 MA.
UNUSED \$4.95



BD-69 DYNAMOTOR
INPUT: 14 VDC 2.6 AMPS.
OUTPUT: 220 " 80 MA.
SIZE: 6½x6x4½; WT: 10 LBS.
UNUSED \$3.95



CAY-21772 DYNAMOTOR
INPUT: 12 VDC 3 AMPS.
OUTPUT: 235 VDC 75 MA.
SIZE: 6½x5x4 w/MTG. 7 LBS.
UNUSED \$4.95



DA 1A
INPUT: 28 VDC 1.6 AMP
OUTPUT: 230 VDC 100 MA
SIZE: 3½x3x5½; WT: 6 LBS.
UNUSED \$4.95



DM-33 DYNAMOTOR

INPUT: 28 VDC 5 AMPS.
OUTPUT: 575 VDC 160 MA.
USED \$9.95

Size 3½ x 4 x 7½, Wt. 8½ lbs.

DY-22 DYNAMOTOR

INPUT: 28 VDC 1.8 AMPS.
OUTPUT: 210 VDC 125 MA.
Price: Used \$4.95

Size 3½x3½x6½; Wt. 5 lbs.



PE-101C



**WINCO TYPE 4156
DUAL OUTPUT**


INPUT: 13 vdc 13 A.
OUTPUT: 300 vdc 225 MA
250 " 60 "
SIZE: 8½x4½x4; WT: 10 LB
PRICE: UNUSED \$7.95


AC-DC Motors

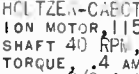
Hi-Speed

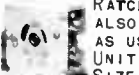
Gear Reduction's


Blowers


 DELCO P.M. MOTOR 5067125 27.5 VDC 10,000 RPM W/GOVERNOR, SIZE: 3x1x1; SHAFT TAPERED 1/16 TO 3/16, THREADED END. PRICE: RE-MOVED \$3.95
GE58A10AJ37A MOTOR 250 RPM 8 OZ. IN. TORQUE .5 A. 27 VDC REVERSIBLE. SIZE 3x1 1/2, SHAFT SPLINED \$3.95

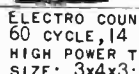
 DELCO PM MOTOR 5069600 250 RPM 27 VOLTS D.C. W/2x1/2" SPLINED SHAFT 8 IN. OZ. TORQUE, SIZE 4x1 1/2x1 1/2 WT: 8 OZ. PRICE: USED \$8.95
DELCO PM MOTOR 5067126 125 RPM 1/2" SHAFT WITH SLOTTED ADAPTER O/W SAME AS ABOVE \$8.95
GE58A10AJ8D MOTOR 110 RPM NOT PM SAME AS ABOVE \$5.95

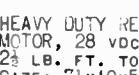
 HOLTZE-CABOT DUAL SPEED GEAR REDUCTION MOTOR, 115 V. 60 CYCLE, 1 PHASE, ONE SHAFT 40 RPM, OTHER 165 RPM 24 OZ. IN. TORQUE, .4 AMP. MOTOR SIZE 4x4x5 1/2, SHAFT 3/8x4-40RPM, 1/8x3/8-165RPM. #RBS-3712 \$9.95

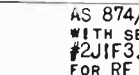
 RATCHET MOTOR, 24 VOLT DC 60 RPM CONTINUOUS ALSO 3 POSITION STOP. BAND SWITCH ASSEMBLY AS USED IN R-5/ARN-7 COMPASS RECEIVER. UNIT WILL ALSO OPERATE ON 18 TO 24 VDC. SIZE: 3x4x1 1/2; WT: 1 1/2 LBS. STK# 609-ARN-7 PRICE: \$1.25


 WESTINGHOUSE BUSINESS MACHINE MOTOR 25 MHP 115 VOLTS 50/60 CYCLE .5/.4 AMPE TYPE FL 4.0/3.0 MFD. 1425/1725 RPM. SIZE: 4 1/2x4x4 1/2; WT: 5 LBS. SHAFT 5/16x2 1/2 FLATENED. FOR USE IN RUBBER SHOCK MOUNTING BRACKET PRICE: NEW \$4.95


 TELETYPE MOTOR AC; 110 VOLT 60 CYCLE 1 PHASE, NON-SYNCHRONOUS, 1/25 HP, 1300 RPM, 1.25 AMP., DOUBLE SHAFT 1 1/2x3/16x5/8 x 3/16, MOTOR SIZE 5 1/2x5x5; WT: 13 LBS. GE#28478 USED \$4.95


 ELECTRO COUNTER & TIMER MOTOR, 115 VOLT 60 CYCLE, 14 RPM, USED TO TURN TUNERS, HIGH POWER TORQUE, INTERMITTENT OPERATION SIZE: 3x4x3; WT: 2 LBS. #MA201752 \$1.50


 HEAVY DUTY REVERSIBLE GEAR-HEAD MOTOR, 28 VDC 8 AMP. 100-200 RPM 2 1/2 LB. FT. TORQUE, OSTER#KU-1L-1R SIZE: 7 1/2x10x5; SHAFT 7/16x3; 14 LB. PRICE: RE-MOVED F/EQ. \$7.95


 AS 874/APX ANTENN ROTOR WITH SELSYN GENERATOR GE #2JIF3. CENTER FEED THROUGH FOR RF CABLE TO ANTENNA. 28 VDC @ 4 AMPS. APPROX. 33 RPM NO LOAD. ROTOR HAS 4 INCH X 1/2 INCH DISK FOR MOUNTING ANTENNA TO ROTOR. 9 1/2x12x10 WT. 25 LBS. USED \$19.95

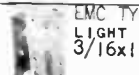
 PM MOTOR ASSEMBLY & GEAR TRAIN USED IN R-44 RECEIVER FOR REMOTE TUNING. CONTAINS DELCO PM MOTOR #5069370, 10,000 RPM ATTACHED TO A GEAR ASSY. THAT HAS TWO SHAFTS 80 RPM AND IS GEARED TO TWO SHAFTS WITH 3" & 1" GEARS THAT THAT TURN AT 40 & 80 RPM. ABSY SIZE 4 1/2x6x3; SHAFT SIZE 1/2 X 3/4 WT: 3 1/2 LBS. STK.#3H3100-15 PRICE: \$4.95

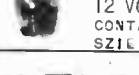
 GENERAL ELECTRIC 58A25DJ300 24 VDC @ 2 AMPS., 4500 RPM, REVERSIBLE, GOVERNOR CONTROL MAGNETIC BRAKE, FLANGE MOUNT, SIZE 2 1/2x5 1/2; WT: 3LBS., SPLINED SHAFT 3/16x7/8 PRICE: \$2.95


 DELCO P.M. MOTOR #5069466, 27.5 VDC IN ALUMINUM CASE GEARED TO WORM GEAR MOTOR SIZE 1 1/2x1 1/2x2 1/2, 10,000 RPM. CASE SIZE 2 1/2x2 1/2x2 LESS MTG. SIZE. WORM GEAR 2000 RPM, WT: 2 LBS. STK# 3H3100A-1 PRICE: \$2.95


 John Oster type C 24A-JB - KS-5829-OT 27 VDC 1/100 HP 7000 RPM DC Series Motor 2" D X 3" L. Shaft 1/2 X 1/2 WT. 1 lb. Price \$.75


 MERCURY MOTOR 24 TO 28 VOLT 60 CYCLE OPEN FRAME TYPE, APPROX 2500 TO 3000 RPM DEPEND-ING ON OPERATING VOLTAGE & LOAD. SIZE: 2x2x3; WT: 1 LB. #MER-NO2428 75#

 EMC TYPE 300, 45 V 60 CYC, 6 1/2 RPM LIGHT OPEN FRAME 5x2x1 1/2; SHAFT 3/16x1; 1 LB. \$1.50

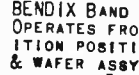
 12 VOLT D.C. MOTOR W/ MAKE & BREAK CONTACT APPROX. 5000 RPM, 1/20HP SIZE 4 1/2x3; SHAFT 1" #ENGT453 PRICE: \$1.95


 Delco 5069370 27 VDC Reversible PM Motor and Gear assm. in an Aluminum case. Output speed is 80 RPM through a friction clutch to a double shaft 1/2 X 3/4 on one side, 1/2 X 1 1/2 on the other. Size complete assm. 3 5/8 X 2 X 4 1/2 excluding shaft. Has built in noise filter system. Wt. 1 lb. 5 oz. Price..... \$ 4.95


 TG-10 KEYER MOTOR 115 VOLT 60 CYCLE 1550 RPM, SHAFT 1-7/8", GEARED TO 80 RPM. SIZE: 3 1/2x3 1/2x4 1/2; WT: 3 LBS. #3H3000-3 REMOVED FROM TG-10 EQUIPMENT \$2.95


 MOTOR OPEN FRAME, 117 V. 60 CYC 500 RPM 1 DIRECTION, 1000 OTHER. SHAFT 1/16x2; 2x3x4; #R30B 2LB \$1.


 MOTOR 24 VDC, 2800 RPM, 6.5 AMP. 1/10 HP. SHAFT 1/2 X 1, REVERSIBLE. 5x3x3; 6 LB. EMERSON 0412 \$3.95


 BENDIX BAND CHANGE MOTOR #AC56566-2 OPERATES FROM 28 VDC. THREE POSITION POSITIVE STOP. WITH SWITCHES & WAFFER ASSY. SIZE: 6x3x2 WT: 1LB. PRICE: \$2.95


 WE KS-5871-101 MOTOR 28 VDC 3.3 A 5600 R.P.M. 1/25 H.P. SERIES WIND CONTINUOUS DUTY, REVERSIBLE, WITH SPEED GOVERNOR. (WILL ALSO OPERATE FROM 12 VDC AT REDUCED SPL SHAFT 1/2x2, MTR. 6 1/2x3 1/2; 5LB; U/U \$7.95


 Bendix LM108J 24VDC 1/25 HP 15,000 RPM Series Motor. Geneva Loc. Actuator. Shaft routes 1/2 revolution and stops and is locked in place until next contact is made then the cycle is repeated-time per cycle app. 3 seconds. Size 4 X 2 1/4 X 5 1/2. Shaft size 1/2 X 1/2. Wt. 1 lb. 14 oz. Price..... \$ 4.95

 General Electric 58A25MJ424 - Type BA 24 V @ 4.2A 7100 RPM 1/20 HP Flange mount Motor size 2 1/2" X 5". Shaft size 1/2 X 1/2. Wt. 3 1/2 lbs. Price..... \$1.95


 ELECTROLUX Motor 28.5 VDC. 1.8 AMPS. 2200 RPM. 1/35 H.P. SHAFT SIZE 1 1/2 X 1/2 MOTOR SIZE: 4 1/2x3 1/2; WT: 5 LBS. PRICE: \$3.95

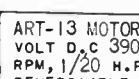
 B-203 MOTOR, REVERSIBLE, SPLIT FIELD, SERIES WOUND, 2 SHAFTS 5 RPM & 200 RPM W/MICRO-SWITCH ES. 26 VDC. 6x4x4; 4 LB. \$2.95


 EIGHTY (80) VOLT 60 CYCLE 78 RPM PHONO MOTOR ON MOUNTING PLATE. WILL ALSO OPERATE FROM 110 V W/RES. 3x3x3; 2LB \$1.59


 FLYER ELECTRIC MOTOR HEAVY DUTY 115 VOLTS AC-DC 50-60 CYC. 78 AND 33 1/3 R.P.M. 9x5x4 WT. 10 LBS. PRICE: \$1.50


 MERCURY MOTOR 8100, 115 VOLT 60 CYCLE, 1750 RPM, OPEN FRAME 3x2x2, SHAFT 1/2x1 1/2, WT: 1 LB. PRICE: \$1.00

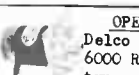
 John Oster Shunt Motor B-9-1 27 1/2 VDC @ .7A. 5600 RPM. Aluminum Cased Motor and Gear assm. Motor is flange mounted to the Gear case. 2 gear reductions 22 and 5 1/2 RPM on 1/2 X 1 1/2 shafts. Size 2 3/4 X 3 X 7". Wt. 1 lb. 14 oz. Price..... \$1.00

 ART-13 MOTOR 28 VOLT D.C. 3900 RPM, 1/20 H.P. REVERSIBLE, BALL BEARING. (WILL OPERATE 12 VOLT SIZE 3x3x3 1/2; 2LB. #8-101/803/800. PRICE: \$1.95

 OSTER 10 CFM Blower John Oster motor C2EP-1A 27.5 VDC 1/100 HP 6000 RPM with blower 10CFM. Size 3 1/2 x 3 1/2 x 4 1/2. Motor & Blower \$3.95 Motor only 1.95


 400 CYCLE BLOWER Eastern Air Devices 10 CFM Blower 115 Volt 400 cycle, 1/100 HP motor. Size 3 1/2x3 1/2x4 1/2. Wt. 1 lbs. PRICE: \$2.95

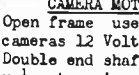
 PINCOR BLOWER Cast Aluminum housing shunt type motor 24 VDC 5000 RPM, 10 CFM blower. Motor noise filtered. WT 1lb 10 oz. Size 3 1/2x4 1/2x4. PRICE: \$2.95

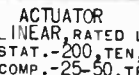
 OPEN TYPE BLOWER Delco motor 5069267 27 VDC 6000 RPM, reversible shunt type, flange mount. WT 1 lb size 1-3/4x2-5/8x2 1/2. Motor-Blower \$1.95 Motor only \$1.50

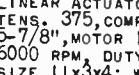
 DELCO PM MOTOR 12 VDC 10,000 RPM, GEARED TO ASSY. APPROX 250 TO PLASTIC WHEEL & POT. 4x3x2; 1 LB. #5092543/2 \$4.95

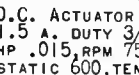
 PHILCO GEAR REDUCTION No. 441-1008, 24 VDC, 3.7 RPM 40 LB. IN. TORQUE, SHAFT 5/16x5/8, MOTOR 4x3 1/2x5 1/2; 4 LBS \$5.95

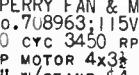
 B-701/R-107 MOTOR FROM AS-313/ARN-6 LOOP ANTENNA. OPERATES FROM 26 VOLT 400 CYCLE, WILL OPERATE FROM 12 VOLT 60 CYCLE. GEAR TRAIN ASSY APPROX. RPM. SIZE 3x2 1/2x3; W/3/8" GEAR. WT: 1 LB. PRICE: \$3.95

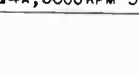
 CAMERA MOTOR Open frame used in aircraft cameras 12 Volt AC-DC Double end shaft 1/8 x 1/2, motor size 2 1/2 x 2 1/2, 5000 RPM. #CM-120 Price \$1.95

 ACTUATOR LINEAR, RATED LOAD LB. STAT.-200, TEN.-25-50. COMP.-25-50, TRAVEL 2 1/2" MOTOR 115V400CYCLE, 6000 RPM. DUTY 1/10, H.P. .04, TORQ. OZ. 11 6.7 WITH LIMIT SWITCHES. USED AIRSEARCH#35906-30 \$2.95

 LINEAR ACTUATOR, STAT. 750, TENS. 375, COMP. 200, ARM. TRAI 5-7/8", MOTOR 115 V. 400 CYCLE 6000 RPM, DUTY 1-10, HP .04 SIZE 1 1/2x3 1/2; WT: 5LB. USED AIRSEARCH#31914 \$3.95

 D.C. ACTUATOR 26 V. 1.5 A. DUTY 3/20 HP .015, RPM 7500 \$2.95 STATIC 600, TEN. 130 COMP. 90, TRAVEL 1 1/2" 8x5x3; 4 LB. ELA-3-139-2

 SPERRY FAN & MOTOR No. 708963; 115V 3 PHAS 60 CYC 3450 RPM 1/20 HP MOTOR 4x3 1/2x4 1/2 BLADE 6" W/STAND \$4.95

 DELCO MOTOR #A7155, 27VDC 1/30HP 2.4A, 3600RPM 5x2x2; shaft 1/2 \$2.95

HARDWARE KIT: CONTAINS 50 CLAMPS OF 5 DIFFERENT SIZES, 20 SCREWS, 5 TYPES, 15 WASHERS, 7 LUGS, 4 HEX. NUTS, 18 SPACERS. #RC298 5LB. 75¢



RUBBER SHOCK MOUNTS
 4 LB. #4 \$.30
 6 " #6 .35
 10 " #10 .40
 12 " #12 .50
 16 " #16 .60
 24 " #24 .75
 35 " #5215 .75

OTHER TYPE MOUNTS AVAILABLE IN LIGHTER & HEAVIER. ADVISE NEED

TUBE SOCKETS

OCTAL CERAMIC 2 HOLE MTG. \$.25
 " " RING " " .15
 " BLACK " " .15
 LOCTAL CERAMIC " " .20
 LOCTAL MICA 2 HOLE MTG. .15
 14 PIN MICA SMALL 1 1/2" MTG. .15
 4 PIN CERAMIC 2 HOLE MTG. .25
 5 " " RING " " .20
 6 " " 2 HOLE " " .29
 7 " " " " " .29
 4/5/7/9 PIN WAFER " " EA. .10
 7/9 PIN MICA SMALL " " .20
 9 PIN CERAMIC " " .35
 METAL SHIELDS SMALL 7-9 " .10

829 CERAMIC SOCKET .75
 872 " " W/SHOULDER .75
 811/866 " " W/ " .75

GIANT 4 CONTACT CERAMIC FOR 872, 211 ETC. 3 1/2" RD. GE #M7461594-G1 PRICE: USED \$.39

GIANT 4 CONTACT CERAMIC SOCKET FOR 715, 718 ETC. 3 1/2" RD. STK #227684.98 PRICE: NEW \$.50

GIANT TUBE SOCKET 7 CONTACT FOR 813 4E27A ETC. 2 1/2" RD. GE #M7466795-1/442 PRICE: \$1.50 USED

REGULATOR CURRENT AUTOMOTIVE TYPE OPEN FRAME 50 AMP. SIZE 2 1/2x2 1/2x1 1/2 LB. ORD. #G1026184433 DEL CO #1884042 \$1.00

TERMINAL STRIPS WITH CLIPPED WIRES
 AMT. TERMINALS - 6 - 8 - 10 - 12 - 14
 1" WIDE EACH .15 .20 .25 .30 .35
 1 1/2" WIDE " .20 .25 .30 .35 .40

BINDING POSTS 7 ON A BAKE-LITE STRIP, THUMB SCREW TYPE TERMINALS. REMOVED FROM EQUIPMENT. PRICE: \$.35 EA. 3 FOR \$1

TELEPHONE SIGNAL DROP SWITCH BOARD UNIT WITH MOMENTARY & HOLD MULTI-CONTACT LEVER SWITCH RING IN DROP RELAY & PHONE JACK. SIZE 1 1/2x8x3. WT: 1 LB. #EE-2 \$.39 EA. 3/\$1 USED PL-11 PLUG ON 30" CORD \$.35 EA.

SW-118 SWITCH ASSY. SPST, ONE SIDE HOLDING ON - OTHER SIDE MOMENTARY ON, CENTER OFF SWITCH SIZE 1 1/2x1, CASE SIZE 2 1/2x1. PRICE: \$.35 EA. 3 FOR \$1.00

B-9A SWITCH ASSY SPDT CENTER OFF 5 AMP. 125 VOLTS TWO HOLE MTG. SIZE: EA. SW 3/4x2x1. \$.35 EACH BANK OF FOUR \$1.

Capacitors



MFD	VDC	SIZE	PRICE
2000	15	1 1/2x4 1/2 RD	\$.59
6000	75WVDC	3x4 1/2	2.95
1000	50	1 1/2x4 1/2 RD	.55
25M	25WVDC	3x4 1/2	2.95
24000	3	4 x 3 RD	1.50

4	400	2 1/2x3 1/2x1 1/2	.25
5x5	400	3 1/2x3 1/2x2	.50
10	400	4 x 4x1	.75

.5	500	1 1/2x1 1/2x3	.20
2	600	1 1/2x4 1/2x1	.25
4	600	3 1/2x2 1/2x1 1/2	.50
6	600	4 1/2x2 1/2x1 1/2	.75
7	600	4 x 4 x 2	.85
10	600	3 1/2x4 1/2x1 1/2	1.10
2 1/2/2 1/2/5		6 1/2x4x2	.75

1	1000	1 1/2x2 1/2x1	.50
2	1000	1 1/2x4x1	.95
15	1000	3 1/2x4 1/2x2 1/2	2.95
1-1-1	1200	3 1/2x3 1/2x2 1/2	1.00
1	2000	2 x 3 x 1	1.25

.5	1500	2 1/2x1 1/2x1	.75
.3	2000	2 1/2x1 1/2x1	.75

MFD	VAC	SIZE	PRICE
5	660	3 1/2x4 1/2x1 1/2	1.95
15	330	3 1/2x5 1/2x1 1/2	1.75
1	1000	3 1/2x4 x 2	.75

WESTERN ELECTRIC DI70563 CAPACITOR
 1-CAN .1 UF 5000 VDC
 2-3 1.0 UF 2000 "
 3-4 1.0 UF 2000 "
 SIZE: 5 1/2x5x2; WT: 3LB
 PRICE: \$1.95

10 MFD @ 2000 VDC 4 1/2x4 1/2x3 1/2; 3LBS. 5910-819-2151 \$5.95
2 MFD @ 4500 VDC 5x4x3; WT: 4 LBS. F350-7628821 \$6.95

MFD	VDC	SIZE	PRICE
4	1000	2 1/2x4 1/2x2 1/2	\$1.50
10	1000	3 1/2x4 1/2x1 1/2	1.95
15	1500	3 1/2x5 1/2x2 1/2	2.95
8	1000	3 1/2x4 1/2x2 1/2	1.50
8	2500	4 1/2x7x3 1/2	6.95

HIGH CAPACITY CAPACITORS

20,000 MFD
 25 VDC
 AVAILABLE IN BANKS OF 20 OR INDIVIDUAL UNITS.
 BANK SIZE 16x13x5 F/RACK
 PRICE: BANK \$24.50 EA. \$1.50

SWITCH HEAVY DUTY TAP SWITCH 5 POSITION FOUR HOLE MOUNTING SIZE: 2 1/2x2 1/2x1 1/2 STK #329627 \$1.50

ANTENNA CIRCUIT SWITCHING SWITCH 100 WATT Size 4 1/2x2-3/4" 3/Make 3/Break #329626 \$2.50

ROTARY SWITCHES

ROTARY WAFER SELECTOR SWITCH CERAMIC, 6 DECK, 4 POLE 6 CONTACT. 7 1/2x2 1/2x2 1/2; 3 LB SMALLCROSS #10214 USED \$2.95

SWITCH ROTARY CERAMIC WAFER 5 DECK, 1 POLE, 9 POSITION 7x2x2; 1 LB. SIL. PL. CONT. #5930-185-0597 \$1.95 NEW

SWITCH ROTARY BAKELITE WAFER 8 POSITION, 3 SECTION, SECT. #1 NON-SHORTING TYPE CONT. SECT. #2&3 SHORTING TYPE CONTACTS. 3x2x2; WT: 8 OZ. #329825-75.4 NEW \$1.00

SWITCH ROTARY, 3 SECT. 5 SWITCHING POSITIONS, 6 MOVING, 36 FIXED CONT, 6 POLES 5 THROWS, COMB. SHORTING & NON-SHORTING. #329824-81.5 \$1.75

SWITCH ROTARY BAKELITE WAFER 2 DECK, 5 POSITION, 1 POLE MOMENTARY 5 POSIT. 2x2x2 #SW-145 39¢ EA. 3 FOR \$1

GE CERAMIC POWER SWITCHES 2 DECK 3 POSITION 2x3 IN. GE #M746812-G1/403 \$1.95

GE HEAVY DUTY CERAMIC, TWO DECK 4 BREAK 3 MAKE, 2x4" #M7464910-G1/407 \$1.95
GE HEAVY DUTY CERAMIC, TWO DECK 3 POSITION, 3x4" #M7762999-G1/397 \$1.95

SWITCH ROTARY ONE DECK, CERAMIC 11 POSITION, 2" DIA. No. C-87/S601 75¢ EA.

SWITCH ROTARY CERAMIC TWO DECK FOUR POSITION, SINGLE HOLE MTG. 2" DIA. No. C-87/S-602 75¢ EACH

SWITCH ROTARY, 2 DECK, 20 POS 4 CIRCUIT EA. DECK. 1 1/2x1" #329825-66.13 \$.50

SWITCH ROTARY, 5 DECK, 8 POS. ONE CIRCUIT. SIZE 2x3" MORRISON RE-MOVEO #58 \$.75

ELECTRIC ROTARY SWITCHES

ROTARY SELENOID SELECTOR FOUR (4) WAFERS 12 POSITION ONE (1) POLE, ONE (1) WAFER 2 POSITION ONE (1) POLE. 24 VOLT D.C. SIZE: 4 1/2x1 1/2; 1LB. #5930-327-7793 \$1.50

ROTARY SELENOID SELECTOR ONE (1) WAFER 11 POSITION ONE (1) POLE, ONE (1) WAFER 12 POS. ONE POLE, 11 SHORTING, ONE NON-SHORTING. 3 LB SIZE 2 1/2x2; #5945-503-7295 PRICE: \$1.00

ROTARY SWITCH 20 POSITION 4 DECK W/ KNOB, 2 1/2x2 1/2; #5930-327-7620 \$1.95

THREE DECK 8 POS. AND OFF MARKED ON 2 1/2" DIAL AND KNOB #329825-66.147 2x3" \$1.75

SELECTOR SWITCH TAP 12 POSITION 1 POLE 5 AMPS. NON-SHORTING 2 1/2x2 1/2x1 1/2; 1 LB. P/O RA-83 #329825-440.2 \$3.95

Kits \$1.00

DISC CERAMIC CONDENSERS 33 ASST. 15MMP-.61MFD. Good Value \$1.00 a KIT

TUBULAR CONDENSER 50 ASST. .00025 to .1 200 to 600 V \$1.00 a KIT

MICA CONDENSERS 25 ASST. 10 MFPD TO 6800 MFPD. \$1.00 a KIT

TRIMMER CONDENSERS 25 ASST. 3 to 280MFP WIDE RANGE \$1.00 KIT.

RESISTORS INSULATED 50 ASST. 1/2, 1 & 2 Watt wide range of good values 50 ASSORTED \$1.00

RESISTORS WIREWOUND 25 ASST. 5 to 20 Watt. Wide range of values some tapped. 25 ASST \$1.00

VOLUME CONTROLS 10 ASST. Popular Values \$1.00

TUBE SOCKETS 20 ASST. Octals Locals Minatures Wafers etc \$1.00

PILOT LIGHT SOCKETS 25 ASST Bayonet Screw etc. \$1.00

TERMINAL STRIPS, Tie lug strips, ASST types. 25 for \$1.00

TERMINAL LUGS, ring spade, crimp types. Wide variety of sizes for all uses in clear plastic box. Approx 200 PCS \$1.00

ROTARY SWITCHES BRAND NEW ORDER NOW 6 for \$1.00

BATHTUB CONDENSER KIT .1 MFD. to 1. MFD. up to 600 Volt. 10 for \$1.00
ARDWARE KIT NUTS, WASHERS SCREWS, RIVET GROMMETS ETC. 1 1/2 LBS. \$1.00

BUZZER FOR SWITCHBOARDS BD-91/RD-96 OPERATES 2-6 VDC 4-9 VAC, NON-POLARIZED; 10.5 OHMS. VIBRATING ADJUSTABLE TYPE. SIZE 2 1/2x2 1/2; WT: 4 OZ. PRICE: \$1.

PE-109B INVERTER FILTER, MALLORY NF-1-27 LELAND B-2037, REF. 120 STK. #3h2575-109B 3 1/2x3x2 1/2; WT: 2LB NEW \$1.50

BC-603, BC-683 BC-604 & BC-684 SPARE PARTS CHEST FOR STORING TUBES & PARTS. SAME SIZE & SHAPE AS RECEIVERS 2 COMPARTMENTS. SIZE 7 1/2x11 1/2x11 WT \$1.00

METAL BOX WITH REMOVABLE TOP, CUTOUPS FOR AC OUTLETS & SWITCH. SIZE: 6 1/2x4 1/2x4 1/2 PRICE: \$.50

ALARM BELL OPERATES ON 24 VDC. 4 1/2x4 1/2x2 1/2 #561-3 \$1.25

HORSESHOE MAGNETS 5 lb. Lift 2 1/2x3/8" 1/2 lb. \$.50 15 lb. Lift 2 1/2x2 1/2x1 1/2 1 1/2 lb. 2.9¢

HAND TYPE MAGNETO GENERATOR USED FOR RINGING TELEPHONE LINES, OUTPUT ABOUT 100 VOLTS. CAN ALSO BE USED AS SHOCK MACHINE, LIGHT SMALL BULBS OR DRIVE WORMS OUT OF YOUR LAWN BY PLACING THE OUTPUT TO METAL STAKES AND DRIVING THEM INTO GND.

GN-38 WITH THREE MAGNETS \$2.95
GN-38P PERMANENT MAGNETS 2" x 1" \$3.95

G-25A ROUND TYPE MAGNETO \$2.50

UNUSED \$2.95 USED \$1.95

T-39 MICROPHONE AND CHEST UNIT THAT WAS USED TO CARRY DRY CELL BATTERIES. PHONE JACK AND 1 FT. CABLE WITH 8 RECEPTICAL PLUG. ON-OFF SWITCH AND FUSE HOLDER. INSIDE DIMENSIONS 5 1/2x12x9. WT: 6 1/2

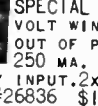
25 Precision Resistor Ass't WIRE WOUND OR CARBON 1% OR BETTER GOOD VALUES. \$1.00 50 TINY CAPACITORS SELECTED TINY ASST PAPER & CERAMIC X GOOD VALUES. \$1.00


WIRE ASSORTMENT SIX 25 FT. COILS FULLY INSULATED STANDARD SIZES TINNED COPPER ASST. COLORS \$1.00


MINIMUM ORDER \$3.00


TRANSFORMERS



 PRI: 115v 50-1000cy
 SEC: 34 v 3.5 AMP
 SIZE: 4 1/2 x 5 1/4; 15 LB
 #5950-518-4306
 \$4.95



 SPECIAL 2/24
 VOLT WINDINGS
 OUT OF PHASE
 250 MA, 115 V
 60 CY INPUT, 2x2x2 1/2
 1 LB #26836 \$1.75



 PRI: 120 V 60CYC
 PRIMARY BUCK-BOOST
 WINDINGS: 1.2V,
 3.6V, 10.8V
 SEC: 12.8V CT 20A
 4 1/2 x 5 1/4; WT: 8 LBS
 #1043 \$8.95


 PRI: 115 v. 60c
 SEC: 2.5v 1.75A
 2.5v 1.75A
 6.3v .6 A
 3 1/2 x 5 3/4; WT: 8 LBS
 229611.127 \$1.95


 PRI: 115 v. 60 CY
 SEC: 2.2 v.
 ALSO TAPPED WIND.
 0-60V 10 TAPS 4
 VOLTS EA. 1 TAP
 20V.HV AMPS 4, LOW
 EST VOLTAGE 20 A.
 6x4x5; WT: 25 LBS
 #6120-473-6811
 \$7.95



TF45X02YY
 THREE PHASE
 PRI 171V 50-450cy
 SEC 28V @ 40A
 6 1/2 x 7 1/2 x 9 1/2; WT: 4.5 LBS
 PRICE: \$14.95



 MICROPHONE TRANS
 PRI: 40 OHMS
 SEC. 75000 "
 SIZE: 1 1/2 x 1 1/2 x 2
 WT: 2 OZ.
 279986-2/RM-12
 PRICE: 75¢

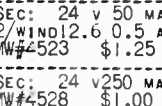

 MICROPHONE
 PRI: 14.5-21 OHM
 SEC: 4475-6500
 OHMS
 CARBON MIC.
 2 1/2 x 3 1/2 x 2 1/2
 #7762352G1
 \$1.00



 Microphone
 Transformer
 Pri: 1 ohm
 Sec: 2000
 1 1/2 x 2 1/2 x 1 1/2
 #7762352G1
 Price \$8.59



1-177
 TUBE CHECKER
 TRANSFORMER
 SIZE: 4 1/2 x 4 1/2 x 4 1/2 LB
 STK # 229613.667
 PRICE: \$4.95



 PRI: 144 V 50/60CY
 1 PH. 3.4/2.32 KVA
 SEC: 23 V FULL LOAD
 RMS-2500 V. MAGNATRM
 SIZE: 13x15x11; 200LB
 FSN5950-189-4659
 PRICE: \$30.00


 ALL PRIMARIES
 115 VOLT 60 CYCLE
 SIZE: 2x1x1 1/2; 4oz
 SEC: 125 v 25 MA
 50 v 50 MA
 MW#4521 \$1.25


 SEC: 24 v 50 MA
 2/WIND 12.6 0.5 A
 MW#4523 \$1.25
 SEC: 24 v 250 MA
 MW#4528 \$1.00
 SEC: 55v 35 MA
 2/WIND 12.6 200 "
 MW#4535 \$1.00
 SEC: 25v 30 MA
 2/WIND 12.6V 1 A.
 MW#4530 CASED \$2.


OUTPUT
 OUTPUT TRANSFORMER
 30 WATT
 \$3.95
 PRI: 8000 OHM
 SEC: 4/8/15 OHM
 3x3x3 1/2; WT: 2LB
 #TG-10/27291
 2 WATT OUTPUT TRANSFORMER, PRI. 2500 OHM SEC. 3.2 OHM
 #49872 79¢


 AUDIO OUTPUT TRANS
 PRI: 450 OHMS
 SEC: 300/4000 OHMS
 IMPEDANCE
 PC/BC-348
 STK# 2C4343M/T
 2x2 1/2 x 4 WT. 2 1/2 LBS.
 PRICE: \$1.00


OUTPUT TRANSFORMER
 NP/NS-1.77/6.6, 50
 TO 5000 CYC. 5MA.
 SIZE: 2x2x2
 GEM 7465623-1
 PRICE: \$.75

LOW VOLTAGE TRANSFORMERS

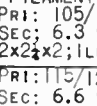
ALL PRIMARIES 105, 110, 11
 120, 125 VOLT, 60 CYCL
 SEC: 6.6 V 36 AMP.
 6 1/2 x 5 1/4; 23 LBS.
 9T35Y245 \$8.95
 SEC: 6.6 V 18 AMP
 3 1/2 x 5 1/4; 12 LBS.
 GE#9T35Y159 \$3.95
 SEC: 6.6 V 10 AMP
 4x3 1/2 x 4; 9 LBS.
 GE#9T35Y158 \$2.95

SEC: 6.6 V 10 AMP.
 6.6 VCT 1 "
 5x4x3 1/2; 10 LBS.
 GE#9T35Y181 \$3.25
 SEC: 6.3CT 3.6 AMP
 2 1/2 x 3 1/2; 2 LBS.
 #5950-651-5319
 \$1.50

PRI: 115 60 CYC
 SEC: 6.3 CT LAMP
 2 1/2 x 3 1/2; 2 LB.
 #5950-648-4768
 PRI: 115 v. 60 CYCLE
 SEC: 25 v. 0.5 AMP.
 2x2x2 1/2; LB. #5950-754-9573
 \$1.25


FILAMENT TRANSFORMER
 PRI: 70/100/140/200
 60 cyc
 SEC: 12.6 CT .7 A
 6.3 CT .9 A
 6.3 CT 1.5 A
 6.3 CT 1.5 A
 2.5 KV TEST
 SIZE: 5 1/2 x 3 1/4 WT 5
 STK# GE-7465625-P1
 PRICE: \$2.95

SEC: 6.3 v 3.1 AMP.
 6.3 v 2.5 " "
 6.3 v 0.45 " "
 6.3 v 0.30 " "
 5.0 v 2.0 " "
 5.0 v 2.0 " "
 3 1/2 x 4 1/2 x 3; 4 LBS.
 #7F1A01JA \$3.95


FILAMENT TRANSFORMERS
 PRI: 105/115/125V 60 CYCLE
 SEC: 6.3 v. @ 2 AMP.
 2x2 1/2 x 2; LB. UTC5578 \$1.50
 PRI: 115/120/126/132.5-66c
 SEC: 6.6 v. @ 1.2 AMP.
 2 1/2 x 3 x 2; 1 LB. 9T35Y240 \$1.25


PRI: 117v 50-60CYC
 SEC: 3/5V CT @ 2A
 2/5V @ 2A
 2/2.5V @ 10A
 7x4x3 1/2 WT. 12 LB
 GILFILLAN #54148-1
 PRICE: \$5.95

PRI: 115 V. 60 CYC
 SEC: 5 V. 2 AMP
 5 V. 2 "
 4 1/2 x 5 1/2 x 2 1/2; WT: 8 LB
 #229611.389 \$1.95


HIGH AUDIO
 ALTEC LANSING 70W
 OUTPUT TRANSFORMER
 PRI: 3300 OHM CT
 SEC: 250 & 500 OHM
 SIZE: 4 1/2 x 5 1/4
 WT. 13 LBS.
 STK# TMJ-217A
 PRICE: \$2.95

PRI: 7000 OHM CT
 SEC: 265 " "
 80 " "
 ONE WINDING
 POWER: 62.5 WATT
 RESPONSE: 1 DB
 20-20,000 CPS
 SIZE: 4 1/2 x 6 x 4; 20 LB
 TF1A13MA \$4.95

HIGH VOLTAGE TRANSFORMERS


 PRI: 115 VOLT 50/60 CYCLE
 3.75 KVA
 SEC: 7500/3750 V 5.3 KVA
 MAX. DC OPER. 4.25 KVA
 RMS 17 KV.
 SIZE: 17x10x12; WT: 250LBS
 FSN 5950-189-6498
 PRICE: \$75.00

PRI: 105-125v
 50-60cyc
 SEC: 1100v CT @
 250 MA
 SIZE: 5 1/2 x 5 1/2 x 4 1/2
 WT. 16 LBS.
 UTC 52336
 \$6.95

PRI: 105/110/115
 120/125V 54-66CYC
 SEC: 365V TAPPED
 335 V @ 500 MA.
 4 1/2 x 5 1/2 x 3 1/2; 9 LB.
 #ADCA8691 \$2.95


PRI: 105-110-115-
 120-125
 SEC: 365 V 775 MA
 TAP. 340 V 525 MA
 850CT 30 MA
 5 V 2 A
 6x7x5 1/2; 30 LBS.
 # GE7415214
 \$4.95

PRI: 105-110-115
 SEC: 560CT 75 MA
 365 V 150 MA
 TAP 335 V
 3 1/2 x 5 x 3 " 8 LBS.
 # TF1A02JA
 \$1.95

PRI: 117 V 60 CYC
 SEC: 450 V 140 MA
 12.6 20 AMP
 5.0 2 "
 4 1/2 x 6 x 4; 15 LB
 EDO 10498 \$6.95

PRI: 117V 60-400CYC
 SEC: 750 VCT 55 MA
 5.0
 6.3 V @ 5 AMPB
 3 1/2 x 3 x 4 WT 5 LBS.
 #271-P-1 \$2.95


CIRCUIT PROTECTED
 PRI: 110/220/440
 50/60 CYCLE
 SEC: 24 V 6 AMP
 6 V 1 "
CIRCUIT RESET
 BREAKER 10 AMP.
 FOR 4 1/2" SQ. BOX
 MTG. ALSO 2 1/2" TER
 MINAL BOX W/KNOCK
 OUTS.
 SIZE: 7x4 1/2 x 5; 10LBS
 FOSTER#D11586
 PRICE: \$6.95


VOLTAGE REGULATED
 PRI: 90-130 VOLT
 50/60 CYCLE
 SEC: 29 VOLT 6 AMP
 SIZE: 8x5 1/2 x 4 1/2; 20 LB
 PHOENIX#PX-2017B
 PRICE: \$5.95


PRI: 120V 50/60CY
 SEC: 25V 3 VA
 (120 MA.)
 SIZE: 2x1 1/2 x 1 1/2 MOUN
 TED ON 4 1/2" ELECT.
 BOX PLATE THAT
 CAN BE RE-MOVED.
 WT: 1LB. #AT75A1036
 \$1.00

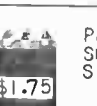

 PRI: 120/240V 60C
 SEC: 16 v 8 AMP
 16 v 8 "
 SERIES SECONDARY
 32 v 8 AMP
 PARALLEL 16V16 "
 4 1/2 x 4 1/2; 13 LBS.
 #1479-L018
 PRICE: \$7.95

PRI: 115 V 60 CYC
 SEC: 6.3 v 2.75 A.
 6.3 v 5.5 A.
 SIZE: 3 1/2 x 4 1/2 x 3 1/2 LBS
 STK#ORD7629805
 PRICE: \$2.50

PRI: 115 V 60 CYC
 SEC: 6.3 v 4 AMP
 SIZE: 4x3x3 1/2 5 LBS.
 STK#ORD7629823
 PRICE: \$1.50

PRI: 115 V 60 CYC
 SEC: 6.3 V 2.7 AMF
 SIZE: 2 1/2 x 2 1/2; 1 1/2 LB.
 STK#5950-186-9789
 PRICE: \$1.50


 PRIMARY VOLTS
 81, 163 & 230
 50/60 CYCLE
 SECONDARY VOL
 11.7 CT. 3 1/2 A.
 WITH 115 VOLT
 INPUT, OUTPUT
 WILL BE 15 v. 3 AMPS.
 SIZE: 3 1/2 x 4 x 3 1/2; 8 LBS.
 GE#7465106-P1 \$2.95

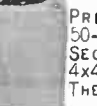

 PRIMARY VOLTS
 81, 163 & 230
 50/60 CYCLE
 SECONDARY VOLTS
 12 CT. 3 1/2 AMPS
 12 CT. 3 1/2 "
 13 CT. 10 "
 @ 115v 2/16v-3A 1/17v
 10A. SIZE 4x7x7 18LBS.
 GE#7466333 \$5.95

PRI: 115v 60 cyc
 SEC: 2/6.3v 1.2A
 SIZE: 3 1/2 x 2 1/2 x 5
 WT. 4 1/2 LBS.
 #7629809
 \$1.75

PRI: 115v 60cyc
 SEC: 40-0-40v .18A
 3x3 1/2 x 5 WT. 5LBS
 #7629808
 \$1.50


PRI: 115v 60 cyc
 SEC: 5.7v 21.8A
 3 1/2 x 4 1/2 x 5 WT. 9L
 GE-7469149
 PRICE: \$6.95

PRI: 115 V.60 cyc
 SEC: 54 V.C.T 2A.
 13 V. @ 5 A.
 4 1/2 x 4 1/2 x 3 1/2; 6 LBS.
 82-70-5511 \$4.95


 SAME TYPE AS ABOVE
 115 v. 60 CYCLE; SEC. 52
 VOLT C.T @ 2 A #E2-70-1003
 3 1/2 x 3 1/2 x 3 1/2; 4 LB. \$3.95

PRI: 200/220/240v
 50-60 CYC
 SEC: 10v CT @ 10A
 4x4 1/2 x 5 1/2 WT. 11LBS
 THERMADOR CS-8705
 PRICE: \$3.95


 PRI: 115 V 60 CYC
 SEC: 36 V 12 AMP
 4 1/2 x 6 x 4; WT: 15 LB
 #CON442
 \$8.95



FURNACE CONTROL
 PR: 120 V 50/60 CYC
 SEC: 25 V 20 V.
 (.8 AMP.)
 SIZE: 2 1/2 x 2 1/2 x 2; 3 LB.
 4 1/2" ELECTRIC BOX
 MTG. WHICH CAN BE
 REMOVED. #AT30A-
 1023-1 \$1.25

PRI: 115 V 60 C
 SEC: 6.3 v 3.6 A
 15 V.004 A
 15 V.004 A
 SIZE: 3x3 1/2 x 3 1/2 LBS
 STK#ORD7629806
 PRICE: \$1.50

PRI: 115 V 60 CYC
 SEC: 6.3 v 2.75 A.
 6.3 v 5.5 A.
 SIZE: 3 1/2 x 4 1/2 x 3 1/2 LBS
 STK#ORD7629805
 PRICE: \$2.50

PRI: 115 V 60 CYC
 SEC: 6.3 v 4 AMP
 SIZE: 4x3x3 1/2 5 LBS.
 STK#ORD7629823
 PRICE: \$1.50

PRI: 120v 50-60cyc.
 SEC: 5v CT @ 10.8A
 SIZE: 5 1/2 x 3 1/2 x 3 1/2
 WT. 8 LBS.
 #L 217247-1
 PRICE: \$3.95

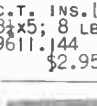

 PRIMARY VOLTS
 81, 163 & 230
 50/60 CYCLE
 SECONDARY VOLTS
 12 CT. 3 1/2 AMPS
 12 CT. 3 1/2 "
 13 CT. 10 "
 @ 115v 2/16v-3A 1/17v
 10A. SIZE 4x7x7 18LBS.
 GE#7466333 \$5.95

PRI: 110v 60 cyc
 SEC: 6.3v 2A
 12.6v 1.5A
 SIZE: 2 1/2 x 2 1/2 x 4
 WT. 4 LBS.
 5950-556-1826
 \$2.50

PRI: 110v 60 cyc
 SEC: 6.3v 2A
 12.6v 1.5A
 SIZE: 2 1/2 x 2 1/2 x 4
 WT. 4 LBS.
 5950-556-1826
 \$2.50

PRI: 110v 60 cyc
 SEC: 6.3v 2A
 12.6v 1.5A
 SIZE: 2 1/2 x 2 1/2 x 4
 WT. 4 LBS.
 5950-556-1826
 \$2.50


PRI: 120 V 60 cy
 SEC: 2.5 V 10 A.
 NO C.T. INS. 10M.
 4 1/2 x 3 1/2 x 5; 8 LBS.
 #229611.144
 \$2.95


 PRI: 115 V.60 cyc
 SEC: 54 V.C.T 2A.
 13 V. @ 5 A.
 4 1/2 x 4 1/2 x 3 1/2; 6 LBS.
 82-70-5511 \$4.95


 SAME TYPE AS ABOVE
 115 v. 60 CYCLE; SEC. 52
 VOLT C.T @ 2 A #E2-70-1003
 3 1/2 x 3 1/2 x 3 1/2; 4 LB. \$3.95

PRI: 200/220/240v
 50-60 CYC
 SEC: 10v CT @ 10A
 4x4 1/2 x 5 1/2 WT. 11LBS
 THERMADOR CS-8705
 PRICE: \$3.95

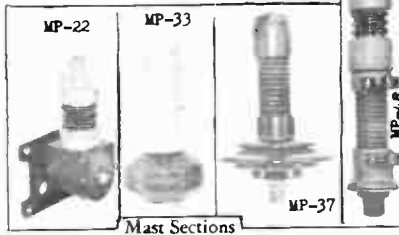
PRI: 115 V 60 CYC
 SEC: 36 V 12 AMP
 4 1/2 x 6 x 4; WT: 15 LB
 #CON442
 \$8.95


FURNACE CONTROL
 TRANSFORMER
 PRI: 115/230v 60c
 SEC: 23v 1.8A
 MOUNTED ON 4x4
 PLATE WITH 2x4
 ELECTRICAL JUNCT
 BOX. WT. 4.50
 \$1.50

 <p>30 HY 70 MA 550 OHM 2 1/2 x 2 1/2 x 3; 1 LB #3C325-6 \$1.25</p>	 <p>25 HY 160MA 350 OHM 3 1/2 x 3 1/2 x 4; 8 LB 3C317-38 \$1.50</p>	 <p>8 HY 100 MA 160 OHMS 2 1/2 x 3 1/2 x 2 1/2; 4 LB #TR-1024 \$1.50</p>	 <p>.5-.25 HY & .2-.6 AOC #7OHMS MAX OC 535V WVM 2 1/2 x 3 1/2 x 2 1/2 4 LBS. GE#T35Y283 \$1.25</p>	<p>25 HY 35 MA DO 1070 MV 2x3x2; 2LBS GE#7415231 \$.79</p>		 <p>PK1: 206 V 60 CYCL ONE PHASE 10.6 KVA SEC: 30 V \$ 115 VOLT PRIMARY SECONDARY 16 VOLT SIZE: 14x11x11 WT: 150 LB.#ACWE 2649 \$32.95</p>	 <p>SELENIUM RECTIFIER HALF OF FULL WAVE (FOR USE W/TRANS. T LEFT) SIZE 12x16x6 WT: 28LB. \$8.95 EA. TWO FOR \$15.00</p>	 <p>PRI: 115 V 60CYC SEC: 20,000 V. 750 VA 3x12x9; 40 LBS. #465-001-119 \$20.00</p>
 <p>8 HY 150 MA 100 OHMS MAX. W. V. 715 3x4x2 1/2; 5 LBS. #TF1A04HA \$1.95</p>		 <p>20 HY 300 MA #CRP30366 SIZE: 7x7x8 WT: 35 LBS. \$6.95</p>	 <p>"A" CHOKE 1 HY 100 MA .7 OHM 2 1/2 x 2 1/2 x 3 1/2 STK#M-13331 \$1.25</p>	 <p>DUAL CHOKE 11 HY 100 MA 200 OHMS 4x4x5 1/2; 6 LB #3C357F-1 \$.75</p>	 <p>11 HY 500MA 1350 VAC & 120V 7x6x9 1/2; WT. 42 LB ITC NO. DC-6281 PRICE: \$8.95</p>	 <p>PRI: 110/120/ 50/60 CYC SEC: 120/140 CT. 7.1 AMP. SIZE: 6 1/2 x 7 x 6 1/2; WT: 47 LBS. #5950-266-8681 \$8.95</p>	 <p>PRI: 115 V. 60 CYC SEC: 25 KV INSULA- 6EC: 8.5 V. 54 AM OR 7.5 V. 48 " OR 7.5 V. 32 " SIZE: 6x7x9; 50 LB; #3340-296-879 \$14.95</p>	 <p>PRIMARIES: 2/100 V 60 CYCLE SECONDARY: 2.5V A 7.5V 1.25 21V .1A 11V.10.0A 10V 6.5A SIZE: 8x 4x6; 19LBS CAY30219 \$3.95</p>
 <p>1.25 HY @ 1.23 ADC PWV 1070 TF1A04LB 6 1/2 x 5 x 4 1/2; WT: 21 LBS \$5.95</p>	<p>8 HY 150 MA 100 OHMS MAX. W. V. 715 3x4x2 1/2; 5 LBS. #TF1A04HA \$1.95</p>	 <p>20 HY 300 MA #CRP30366 SIZE: 7x7x8 WT: 35 LBS. \$6.95</p>	 <p>"A" CHOKE 1 HY 100 MA .7 OHM 2 1/2 x 2 1/2 x 3 1/2 STK#M-13331 \$1.25</p>	 <p>12 HY 525 MA RES. 68 OHM TEST 2500 V. SIZE: 6 1/2 x 7 1/2 x 5 WT: 33 LBS. #N264270 \$7.95</p>	 <p>14 HY 125MA 275 OHMS. 2 1/2 x 3 1/2 x 5 1/2; 308-708-060 \$1.25</p>	 <p>PRI: 117 V. 50/60C SEC: 510 VCT 100MA SIZE: 3x4 1/2 x 3 1/2. 7 LB 2Z9612.21 \$1.95</p>	 <p>AUTO-TRANSFORMER INPUT 100 VOLT 60 3 AMP. OUTPUT 270/ 290/310/350 VOLT 1.25 AMPS. SIZE: 6x8x4 1/2; 23 LB RCA#901508 CMM308P \$7.95</p>	 <p>PRI: 115 V 60 CYC SEC: 2.65V 3.5 A 2.65V 3.5 A 6.3V 3.5 A SIZE: 3 1/2 x 5 x 3 1/2; 8 LB #BNJT-166 \$2.50</p>
<p>Chokes</p>		 <p>8 HY 450 MA THORO-T4473 P/O BC-303 TRAN 5 1/2 x 4 1/2 x 5 1/2; 18 LB STK#M-13331 \$6.95</p>	 <p>10 HY 150MA 210 OHMS WT. 4 1/2 LBS. SIZE: 2 1/2 x 5 x 2 1/2 #217386-1 \$1.75</p>	 <p>15 HY 165 MA 135 OHM 4x4x3 1/2; 8LB \$1.25</p>	 <p>17 HY 80 MA 300 OHM 2 1/2 x 2 1/2 x 3 WT. 2 #3C376-31R</p>	 <p>PRI: 220, 230, 24C SEC: 14V @ 5A 20V @ 5A 4x4 1/2 x 5 1/2; 12 LB CS8779A \$5.95</p>	 <p>PRI: 115 V 60CYC SEC: 5.0 V 13 AMP #7467147 5x5x4 WT. 12 LBS \$3.95</p>	 <p>MULTI-VOLTAGE TRANSFORMER PRI: 115 V. 60 CYC SEC: 24/55/60/65 100 VA 3 1/2 x 4 x 4 1/2; 7 LBS. DONAGAN #A574 \$5.95</p>
 <p>8 HY 100 MA 160 OHM 2 1/2 x 3 1/2 x 2 1/2; 3LB. #TR-1024 \$1.50</p>	 <p>10 HY 0-1 AMP. DC & 10V 60 CPS. 268 OHMS. 2 1/2 x 3 1/2 x 2 1/2; 4LB #6467 \$1.75</p>	 <p>8 HY 450 MA THORO-T4473 P/O BC-303 TRAN 5 1/2 x 4 1/2 x 5 1/2; 18 LB STK#M-13331 \$6.95</p>	 <p>10 HY 150MA 210 OHMS WT. 4 1/2 LBS. SIZE: 2 1/2 x 5 x 2 1/2 #217386-1 \$1.75</p>	 <p>15 HY 165 MA 135 OHM 4x4x3 1/2; 8LB \$1.25</p>	 <p>17 HY 80 MA 300 OHM 2 1/2 x 2 1/2 x 3 WT. 2 #3C376-31R</p>	 <p>PRI: 115 V 60CYC SEC: 100 V 2AMP 4x3 1/2 x 4 1/2; 8 LB. #1FX46-16 \$5.95</p>	 <p>PRI: 120V 50-60 cyc 37 VA SEC: 5VCT @ 2A 6.3V @ 1A 5VCT @ 4A 3x3 1/2 x 5 WT. 7 LB BENDIX#1217336-1 PRICE: \$3.95</p>	 <p>PRI: 115V 50/60CPS VARIABLE OUTPUT 30- 135V 250 MA 5x3x4 WT. 9LBS. NEW \$4.95</p>
 <p>5 HY 500MA 200 OHM 2x2x2 1/2; WT. 1 1/2 STOCK # 3C3672 PRICE: \$.75</p>	 <p>6 HY 75 MA 150 OHM 3x3x2 1/2; WT: 2 1/2 STK#3C316-7 PRICE \$.79</p>	 <p>10 HY 150 MA 100 OHMS 4x4x6; WT. 18 LB #217386-1 PRICE: \$4.95</p>	 <p>10 HY 150 MA RES. 60 OHMS TEST V 1800 SIZE 4x5x3 1/2 WT: 12 LBS. #5950-645-9673 \$4.95</p>	 <p>PRI: 220/230/240V 50-60 CYC SEC: 2.5V CT @ 10A 5 1/2 x 3 1/2 x 3 1/2; WT. 6LBS 5950-648-4773 PRICE: \$2.95</p>	 <p>PRI: 200, 220, 240 VOLTS 50 CPS SEC: 5VCT @ 20 AMP 4 1/2 x 5 1/2 x 7 1/2; 18 LBS. #5950-645-3891</p>	 <p>PRI: 37,000 OHMS SEC: 7,400 OHMS FREQ. RES. 250- 14,000 CPS. 6 LBS. 3x3 1/2 x 4 #REL 12196 \$1.95</p>	 <p>PRI: 115 V 50/60 CYC SEC: 6.3 VCT 1 AMP 6.3 VCT 7 AMP 3x3 1/2 x 5 WT. 7 1/2 LBS. #15-3418 \$2.95</p>	 <p>GENERAL RADIO VARIAC TYPE 20 20 AMP. 115 V. 50/60 CYCLE INPUT; OUTPUT 0-135 VOLTS WITH KNOB, NO DIAL. SIZE: 7x7x8; WT: 25 LBS. APPEAR TO BE LIKE NEW \$30</p>
 <p>5 HY 500MA 200 OHM 2x2x2 1/2; WT. 1 1/2 STOCK # 3C3672 PRICE: \$.75</p>	 <p>6 HY 80MA P/O TG-10 SIZE: 2 1/2 x 2 WT. 1 1/2 LBS. #27294 PRICE: \$.89</p>	 <p>10 HY 150 MA RES. 100 OHMS TEST 3000 V. SIZE 3 1/2 x 4 1/2 x 3 WT: 7 LBS. 3C323-6220 PRICE: \$3.95</p>	 <p>10 HY 75MA OC 375 OHMS 1070 MV 2 1/2 x 2 1/2 x 1 1/2 WT. 1 1/2 LBS. TF1A04EA \$0.89</p>	 <p>PRI: 200, 220, 240 VOLTS 50 CPS SEC: 5VCT @ 20 AMP 4 1/2 x 5 1/2 x 7 1/2; 18 LBS. #5950-645-3891</p>	 <p>PRI: 115 V 60CYC SEC: 100 V 2AMP 4x3 1/2 x 4 1/2; 8 LB. #1FX46-16 \$5.95</p>	 <p>PRI: 120V 50-60 cyc 37 VA SEC: 5VCT @ 2A 6.3V @ 1A 5VCT @ 4A 3x3 1/2 x 5 WT. 7 LB BENDIX#1217336-1 PRICE: \$3.95</p>	 <p>PRI: 115 V 50/60 CYC SEC: 6.3 VCT 1 AMP 6.3 VCT 7 AMP 3x3 1/2 x 5 WT. 7 1/2 LBS. #15-3418 \$2.95</p>	 <p>5 1/2 W 115 V. 50/60 INPUT OUTPUT 0-135 8.5 AMP. \$18.00</p>
 <p>7.5 HY 650 MA 5 1/2 x 6 1/2 x 7 3/4 T-47174 \$7.95</p>	 <p>6 HY 80MA P/O TG-10 SIZE: 2 1/2 x 2 WT. 1 1/2 LBS. #27294 PRICE: \$.89</p>	 <p>10 HY 150 MA RES. 100 OHMS TEST 3000 V. SIZE 3 1/2 x 4 1/2 x 3 WT: 7 LBS. 3C323-6220 PRICE: \$3.95</p>	 <p>10 HY 75MA OC 375 OHMS 1070 MV 2 1/2 x 2 1/2 x 1 1/2 WT. 1 1/2 LBS. TF1A04EA \$0.89</p>	 <p>PRI: 200, 220, 240 VOLTS 50 CPS SEC: 5VCT @ 20 AMP 4 1/2 x 5 1/2 x 7 1/2; 18 LBS. #5950-645-3891</p>	 <p>PRI: 115 V 60CYC SEC: 100 V 2AMP 4x3 1/2 x 4 1/2; 8 LB. #1FX46-16 \$5.95</p>	 <p>PRI: 120V 50-60 cyc 37 VA SEC: 5VCT @ 2A 6.3V @ 1A 5VCT @ 4A 3x3 1/2 x 5 WT. 7 LB BENDIX#1217336-1 PRICE: \$3.95</p>	 <p>PRI: 115 V 50/60 CYC SEC: 6.3 VCT 1 AMP 6.3 VCT 7 AMP 3x3 1/2 x 5 WT. 7 1/2 LBS. #15-3418 \$2.95</p>	 <p>5 1/2 W 115 V. 50/60 INPUT OUTPUT 0-135 8.5 AMP. \$18.00</p>
 <p>8 HY 250 MA RES. 100 OHMS SIZE: 4x4 1/2 x 6 WT. 13 LBS. 5950-646-0775 \$4.95</p>	 <p>6 HY 80MA P/O TG-10 SIZE: 2 1/2 x 2 WT. 1 1/2 LBS. #27294 PRICE: \$.89</p>	 <p>10 HY 150 MA RES. 100 OHMS TEST 3000 V. SIZE 3 1/2 x 4 1/2 x 3 WT: 7 LBS. 3C323-6220 PRICE: \$3.95</p>	 <p>10 HY 75MA OC 375 OHMS 1070 MV 2 1/2 x 2 1/2 x 1 1/2 WT. 1 1/2 LBS. TF1A04EA \$0.89</p>	 <p>PRI: 200, 220, 240 VOLTS 50 CPS SEC: 5VCT @ 20 AMP 4 1/2 x 5 1/2 x 7 1/2; 18 LBS. #5950-645-3891</p>	 <p>PRI: 115 V 60CYC SEC: 100 V 2AMP 4x3 1/2 x 4 1/2; 8 LB. #1FX46-16 \$5.95</p>	 <p>PRI: 120V 50-60 cyc 37 VA SEC: 5VCT @ 2A 6.3V @ 1A 5VCT @ 4A 3x3 1/2 x 5 WT. 7 LB BENDIX#1217336-1 PRICE: \$3.95</p>	 <p>PRI: 115 V 50/60 CYC SEC: 6.3 VCT 1 AMP 6.3 VCT 7 AMP 3x3 1/2 x 5 WT. 7 1/2 LBS. #15-3418 \$2.95</p>	 <p>5 1/2 W 115 V. 50/60 INPUT OUTPUT 0-135 8.5 AMP. \$18.00</p>
 <p>8 HY 250 MA RES. 100 OHMS SIZE: 4x4 1/2 x 6 WT. 13 LBS. 5950-646-0775 \$4.95</p>	 <p>6 HY 80MA P/O TG-10 SIZE: 2 1/2 x 2 WT. 1 1/2 LBS. #27294 PRICE: \$.89</p>	 <p>10 HY 150 MA RES. 100 OHMS TEST 3000 V. SIZE 3 1/2 x 4 1/2 x 3 WT: 7 LBS. 3C323-6220 PRICE: \$3.95</p>	 <p>10 HY 75MA OC 375 OHMS 1070 MV 2 1/2 x 2 1/2 x 1 1/2 WT. 1 1/2 LBS. TF1A04EA \$0.89</p>	 <p>PRI: 200, 220, 240 VOLTS 50 CPS SEC: 5VCT @ 20 AMP 4 1/2 x 5 1/2 x 7 1/2; 18 LBS. #5950-645-3891</p>	 <p>PRI: 115 V 60CYC SEC: 100 V 2AMP 4x3 1/2 x 4 1/2; 8 LB. #1FX46-16 \$5.95</p>	 <p>PRI: 120V 50-60 cyc 37 VA SEC: 5VCT @ 2A 6.3V @ 1A 5VCT @ 4A 3x3 1/2 x 5 WT. 7 LB BENDIX#1217336-1 PRICE: \$3.95</p>	 <p>PRI: 115 V 50/60 CYC SEC: 6.3 VCT 1 AMP 6.3 VCT 7 AMP 3x3 1/2 x 5 WT. 7 1/2 LBS. #15-3418 \$2.95</p>	 <p>5 1/2 W 115 V. 50/60 INPUT OUTPUT 0-135 8.5 AMP. \$18.00</p>
 <p>8 HY 250 MA RES. 100 OHMS SIZE: 4x4 1/2 x 6 WT. 13 LBS. 5950-646-0775 \$4.95</p>	 <p>6 HY 80MA P/O TG-10 SIZE: 2 1/2 x 2 WT. 1 1/2 LBS. #27294 PRICE: \$.89</p>	 <p>10 HY 150 MA RES. 100 OHMS TEST 3000 V. SIZE 3 1/2 x 4 1/2 x 3 WT: 7 LBS. 3C323-6220 PRICE: \$3.95</p>	 <p>10 HY 75MA OC 375 OHMS 1070 MV 2 1/2 x 2 1/2 x 1 1/2 WT. 1 1/2 LBS. TF1A04EA \$0.89</p>	 <p>PRI: 200, 220, 240 VOLTS 50 CPS SEC: 5VCT @ 20 AMP 4 1/2 x 5 1/2 x 7 1/2; 18 LBS. #5950-645-3891</p>	 <p>PRI: 115 V 60CYC SEC: 100 V 2AMP 4x3 1/2 x 4 1/2; 8 LB. #1FX46-16 \$5.95</p>	 <p>PRI: 120V 50-60 cyc 37 VA SEC: 5VCT @ 2A 6.3V @ 1A 5VCT @ 4A 3x3 1/2 x 5 WT. 7 LB BENDIX#1217336-1 PRICE: \$3.95</p>	 <p>PRI: 115 V 50/60 CYC SEC: 6.3 VCT 1 AMP 6.3 VCT 7 AMP 3x3 1/2 x 5 WT. 7 1/2 LBS. #15-3418 \$2.95</p>	 <p>5 1/2 W 115 V. 50/60 INPUT OUTPUT 0-135 8.5 AMP. \$18.00</p>
 <p>8 HY 250 MA RES. 100 OHMS SIZE: 4x4 1/2 x 6 WT. 13 LBS. 5950-646-0775 \$4.95</p>	 <p>6 HY 80MA P/O TG-10 SIZE: 2 1/2 x 2 WT. 1 1/2 LBS. #27294 PRICE: \$.89</p>	 <p>10 HY 150 MA RES. 100 OHMS TEST 3000 V. SIZE 3 1/2 x 4 1/2 x 3 WT: 7 LBS.<</p>						

ANTENNAS

Mast Bases



Mast Sections

3 ft. Tubular steel, copper coated and painted sections. These screw together to make any desired length. MS-49 being the top & smallest section increasing in size through MS-50-51-52-53 to MS-54 being the larger one. Either the MS-53 or MS-54 will fit together to form any additional height desired. Example a 33 ft. vertical may consist of one each MS-49, 50, 51, 52, and 7 each of MS-53 or it may be finished out on the bottom with 6 MS-54 sections. Self support to about 18 ft. Average t.app. 3/4 lbs. MS-49-50-51-52-53 .50 ea. MS-54 .75 ea

Mast Bases

MP-22 Side mount swivel mast base will tip to 90° either right or left. Has a spring snap lock in the vertical position, will take either the MS-53 or MS-54 mast sections. Size Mtg. plate 5" 6" X 10 1/2" high. Wt. 9 lbs. Price.....\$2.95
MP-22A Same as above except mounting hole is for the MS-51 with the MS-49, MS-50 and MS-51. This will make a 9 ft. tapered antenna. Price \$2.95
MP-48 MAST BASE FOR THE ABOVE MAST SECTIONS STARTING WITH MS-53 OR MS-54, HEAVY SPRING 2"x3", INSULATOR AT TOP, REQUIRES 1 1/2" HOLE MTG. SIZE: 3x16; 13 LB \$4.95



CU-168 ANTENNA COUPLER; PROVIDES MEANS FOR OPERATING 5 RECEIVERS FROM ONE ANT. UNBALANCED LINE INPUT NOM. IMPEDANCE 70 OHMS ON OUTPUT ALSO. FREQ. RANGE 2 - 32 MC. EACH COUPLING CIRCUIT HAS 4/12AU7 TUBES. POWER REQ. 115V. 50-400CY. RACK MTG. 19x8 1/2; WITH TUBES, UG-21 COAX. CONN. & MANUAL. WT. 75 LBS. UNUSED \$29.95

PARABOLIC ANTENNA

DISH PAN TYPE. FOUR (4) FOOT DIAMETER ALUMINUM PAINTED GREY, 21" FEED FOR APPROX. 7100 MC. THREE INCH ROUND MTG. FOR WAVE GUIDE SIZE 1-5/16 X 5/8, FOUR (4) MOUNTING STUDS WITH HARDWARE. PHILCO 463-2252-1. SHPG. WT. IN CRATE 225 PRICE: \$29.95 DEFROST ATTACHMENT \$5.00 EXT LESS FEED SHIPPED IN CARTON WT. 75 LBS. SLIGHTLY DENTED \$15.00 FEED \$5

REFLECTORS

MICROWAVE, PLANE TYPE CONFIGURATION, ALUMINUM, NOT PERFORATED. MOUNTED BY FRAME WORK OF REFLECTOR AND BRACKETS WITH HARDWARE, GUYS AND ADJUSTMENT FOR AZIMUTH. SIZE: 8 FOOT X 6 FOOT, NET WT. 125 LBS. SHPG. WT. 375. PRICE: \$50.00



AS-150/ART Whip Antenna 30" long with 2ft. matching coax cable & SO-239 plug. \$1.50
AS-97/ART Whip same as above except 72" rod. 1.95
AS-27/ARM-5 Horizontal folded dipole as used with RC-103, EC-133, ARM-5 Equip. on airplanes. 108-110 MC. UNUSED \$5.95
AN-14B Dipole Antenna 150 to 180 MC. 2.95
AN-104A Stub Antenna f/SCR-522 100-156MC. 1.95

AS-27

AN-14B

APS-2 REFLECTOR

PRICE: \$5.95

POLISHED SPUN ALUMINUM. BAND CAN BE REMOVED. DIAMETER 29" X 27" FOCAL LENGTH 5" HOLE DIAMETER 2 1/2" SHPG. WEIGHT 6 LBS.

IN-86 STRAIN INSULATOR Size 1x3 4 for \$1.

INSULATOR TERMINAL STRIP 3 feed thru insulators size 1/2 x 1, mounted on 1 x 9 terminal strip. Each strip \$.35 Four strips \$1.00

ANTENNA PHOSPHOR BRONZE #16 1 CONDUCTOR WITH 2 SNAPS & SLIDE CONNECTOR, INSULATED.

AN-22 " 20 " .65

GROUND PLANE ANTENNA Ground plane antenna to cover 20 to 50 MC. Made from surplus insulated base & screw in type mast sections. Mounts on 1 to 2 inch pipe. Specify operating frequency range.

GROUND PLANE ANTENNA \$10.95

AN-45 TELESCOPING ANTENNA 8 FT. \$1.95

AS-125/APR ANTENNA; FOR USE W/RECEIVERS IN THE 1000-6000 MC. FREQ. RANGE, 6" MOUNTING W/HARD. UG-22 COAX. RECEPTACLE. SIZE: 6x8; 4LB. \$2.95 UG-21 COAX. CONNECTOR TO FIT ANTENNA 50¢



AT-598/APT WHIP ANTENNA 30" LG. WITH COAX. REC. F/UG-100A/U. WT: 5 LBS. \$1.50 MATCHING COAXIAL LINE RG-14 11" W/2UG-100, 1 UG-109 \$2.

AT-35 DIPOLE ANTENNA 200-250 MC. WITH UG-22 COAXIAL CONN. 2A288A-3E WT: 2LBS. \$1.50

SPREADER INSULATORS WHITE CERA 3/4"x4", 22" HOLE CENTERS. \$25 EACH 5 FOR \$1.00 3/4"x12", 10" HOLE CENTERS \$.45 EACH, 3 FOR \$1.25

AN AN AN MP AN
109 130 745 74 75

AN-109 WHIP ANTENNA; 5 FT. TAPERED 1/4 TO 1/8 PRICES: \$1.50 EACH SIX (6) FOR \$3.00
AN-117 WHIP ANTENNA; 6 FT. TAPERED 5/8 TO 1/8 PRICES: \$1.50 EACH SIX (6) FOR \$3.00

TRANSMITTING LEAD-IN INSULATOR, 15" LG. THREADED ROD W/ CONE INSULATORS 2/x2x1 EA. END, 8" ADJUSTABLE INS. BETWEEN CONES. #4238, 2LB \$1.00

AN-745 TELESCOPING WHIP 8 FT. TAPER 5/8-1/8 PRICE: \$1.00 EACH SIX (6) FOR \$4.00

AN-130 GOOSENECK WHIP 30", SCREW BASE FITS INSULATOR LISTED BELOW. PRICE: \$1.00 EACH SIX (6) FOR \$4.00

AN-20T CHROME TELESCOPING 20" PRICE: \$.50 EACH SIX (6) FOR \$2.00

2A-124 ALUMINUM ROD 3/8"x 6 FT. NO TAPER PRICE: .75 EACH SIX (6) FOR \$3.00

NAVY WHIP ANTENNA & LOAD COIL ASSEMBLY TYPE CCI-51048 LENGTH EXTENDED 85", COLLAPSED 15 1/2", WIRE LEAD 3"x W/SNAP FASTENER CONNECTOR. WT: 1 1/2 LB. PRICE: \$1.50

AT-96 ANTENNA FOR APN-12 160-240 MC, 50 OHM IMP. 15" FIXED BLADE, STREAMLINED BASE, REQ. UG-21 COAX. CONN. 6 LB. \$5.95

A-62 PHANTOM ANTENNA \$1.25 USED WITH BC-604 TRANSMITTER FOR LOADING TRANSMITTER WITHOUT USE OF REGULAR ANTENNA. CAN BE USED FOR ANY TRANSMITTER IN THE 21 TO 28 MC. BAND. HAS A VARIABLE CAPACITOR 55 MMF., 2/RESISTORS, COIL SLUG TUNING, BINDING POSTS AND INDICATOR LAMP THAT LIGHTS WHEN TRANSMITTER IS LOADED. SIZE 3x6. WT: 4 LBS

ANTENNA COUPLER ASSEMBLY USED TO CHECK R.F. OUTPUT AND ELLIPTICITY OF CIRCULARLY POLARIZED ANTENNAS FROM COUNTER MEASURES SYSTEMS UNDER ACTUAL OPERATING CONDITIONS. FREQ. RANGE 95 TO 10,500 MC. ATTENUATION 40 DB. POWER DISSIPATION 500 WATTS. ACCESSORY CASE CONTAINS RG-9/U 51 OHM COAXIAL CABLE 2 25 FT. PCS. ATTENUATORS AND ATTACHMENTS FOR VARIOUS FREQ. ANT. SIZE 1 1/2x2 1/2 CASE 12x12x16; SHPG. WT: 50 LBS. #757649P22 \$25.00



AS-69/APT 535-700 MC. TWO CROSS DIPOLES BENT DOWNWARD TOWARDS A SCREEN REFLECTOR (REFLECTOR NOT SUPPLIED) 1/2 WAVE TRANS. 1/2 WAVE PHASING. TAKES UG-21 CONN. 6" MOUNTING. 9 1/2"x8"D. 8LB. \$9.95

MN-20 MANUAL ROTATABLE LOOP ANTENNA, USED AS A DIRECTION FINDING ANTENNA IN THE 150 TO 1500 KC FREQ. RANGE WITH MN-26 & RA-10 RECEIVERS OR ANY OTHER TYPE IN THIS RANGE USED \$2.95 UNUSED \$3.95



MN-52 AZIMUTH CONTROL BOX W/0-360 DEG. DIAL, LIGHT & CRANK USED WITH MC-124 FLEXIBLE SHAFT THAT IS CONNECTED TO THE LOOP AND WHEN CRANK IS TURNED LOOP TURN UNUS \$2.95

MC-124 FLEXIBLE SHAFT FOR USE WITH LOOP AND CONTROL BOX, 5 1/2 FT. \$1.95 EACH EXTRA FT. 25¢ SPECIFY/SHIP CLOSE

CABLE FOR ANTENNA LEADIN 5 WIRE SHIELDED WITH PLUG TO FIT LOOP OTHER END BARE WIRE 8 FT. LG. #AC58267 \$1.95

AS-313/ARN-6 LOOP ANTENNA WITH MOTOR AND AUTOSYN TRANSMITTER. USED WITH ARN-6 RADIO COMPASS THAT TUNES FROM 200 TO 1750 KC, OPERATES FROM 26 VOLT 400 CYCLE SIZE: 10x11x5; WT: 15 LBS. PRICE: (AS ILLUSTRATED) USED \$7.95

RADAR ANTENNA RCA#636500-1 24" PERFORATED REFLECTOR, 12" STUB. 1/4 H.P. MOTOR 208 V. 400 CYC. 3 PHASE 360 DEG. ROTATION, 22.5° VARIABLE ANGLE, AY-221S RESOLVER, 36/11.8 V. 400 CYC, 2 PHASE, RELAYS ETC. SIZE: 24 x 24 x 20; WT: 40 PRICE: USED \$19.95

A-27 PHANTOM ANTENNA USED W/ PC-653/191 100 W. TRANSMITTERS FOR TUNING & LOAD DIAG. CONTAINS 0-150 MMF, WIDE SPACED 3/16" VARIABLE COND. & 2/12 OHM 40 W. NON-INDUCTIVE RES. IN SET AL BOX W/ KNOB & 0-100 SCALE. WT: 3 LBS. 3 1/2 x 7 x 4 1/2; PRICE: USED \$1.95 RE-NEW \$2.95

AERIAL WATCHING UNIT NO. CI ZA/CAN 9268. FREQ. RANGE 2 TO 8 MC. 50 TO 100 WATT, DEPENDING ON FREQ. CONTAINS VARIABLE CAPACITOR, TWO VARIABLE INDUCTANCE TUNERS, COUNTERS FOR PA TUNE AND ANTENNA TUNE. ALSO 1 1/2" "VU" METER ETC. SIZE: 8x5x10; WT: 8 LBS. PRICE: USED \$18.95

NEON LIGHTING ARRESTOR HI-POWER 4 for \$1
SMALL ANTENNA INSULATORS Insulating material made of polystyrene Size 1x1 1/2 Mtg. hole 3/4" Receptacle size 3/8x2 1/2. TH. STOCK # 223021-227 Fits ANT. AN-130, 131, Size 7/8x1 1/2 Mtg. hole 5/8" Receptacle size 1/2 x 20. TH. Fits any of the UHF Rods Stock # 223062-237 Specify type each \$7.5

CABLES

NEW COAXIAL CABLE

NEW MANUFACTURE AND BRANDED WITH STANDARD TYPE NUMBERS TO MIL-R-17A SPECIFICATIONS.

PRICES LISTED FOR LENGTHS INDICATED, IN-BETWEEN LENGTHS USE THE HIGHER PRICE. LESS THAN 100 FEET ADD 10% TO HIGHEST PRICE

	100 FEET	500 FEET	1000 FEET	5000 FEET
RG-8/U	.12	.11	.10	.10
RG-11/U	.20	.18	.17	.16
RG-58/U	.05	.05	.05	.04
RG-59/U	.05	.05	.05	.04

PRICES ARE PER FOOT

NEW COAXIAL CONNECTORS

SO-239	PL-259	M-359	PL-258 JUNCTION
\$.45 EA.	\$.45 EA.	\$.49 EA.	\$.89 EA.
10 OR MORE	10 OR MORE	10 OR MORE	10 OR MORE
\$.39 EA.	\$.39 EA.	\$.45 EA.	\$.80 EA.

TYPES MAYBE ASSORTED TO OBTAIN THE LOW PRICE

Coaxial Cable FOR LESS THAN 3c Per Foot!

RG-54 A/U CABLE-

DESIGNED FOR LONG LIFE & CONSTANT ATTENUATION 58 OHMS, .250 OD. WITH POLYETHYLENE JACKET.

370 FOOT ROLL \$10.00 70 FOOT ROLL \$1.95

LESS THAN SPECIFIED LENGTHS .03 PER FOOT

COAX CABLE ASSY.

TYPE OHMS LENGTH CONNECTOR STOCK# PRICE

RG-9B/U	51	25 FT.	2/UG-21	GEP19	\$2.25
RG-8/U	5	8FT	2/PL-259	CA-102	.75
RG-21/U	53	10FT	UG/21/22	CD-7805	.35
RG-22/U	95	40FT	PL/284	CD-879	.75
RG-22/U	95	46FT	PL-284	CD-878	.80
RG-22/U	95	50FT	PL-284	CD-877	1.00
RG-62/U	93	10FT	2/UG-88	CG-1410	.35
RG-62/U	93	22FT	2/UG-88	CG-1410	.75
RG-62/U	93	35FT	2/UG-88	CG-1410	1.00
RG-62/U	93	130FT	2/UG-88	CG-1410	1.95

CABLES FOR TESTS

CABLE #	UG #	LENGTH	USED WITH	PRICE
3E7243-2	GK12-23	52 IN.	TCS/REC-PS	\$2.75
3E7273-19	SK16-23	29 IN.	CD/TRS-PS	2.75
CD-515	F/BC-654 & PE-103	48 IN.	BC-669	5.95
CD-501	2EA PL118	9 FT.	TEST SET	4.95
CD-548	2/ PL-112	9 FT.	TEST SET	4.95
CD-526	2/ PL-153	5 FT.	274 N SERIES	4.95
CD-532	2/ PL-152	5 FT.	"	2.75
CD-509		8 FT.	BC-659/620	2.75

COAX CONNECTORS USED

UG-260/U	BNC	PLUG	USED	.20	EA.	6	FOR	1.00
UG-290/U	"	RECP.T.	"	.20	"	6	"	1.00
UG-291/U	"	PANEL J	"	.25	"	6	"	1.00
UG-88/U	"	PLUG	"	.28	"	6	"	1.00
SO-239	UHF	CHASS	"	.25	"	6	"	1.00
PL-259	"	PLUG	"	.25	"	6	"	1.00
M-359	"	ELBOW	"	.35	"	6	"	1.00
UG-21	N	PLUG	NEW	.59	"	6	"	1.00
UG-22	"	PANEL JUSED	"	.39	"	6	"	1.00
UG-23	"	JACK	"	.39	"	6	"	1.00
UG-29B	"	ST. AD	NEW	.79	"	6	"	1.50
UG-29SPEC.BULK	"	"	USED	.79	"	6	"	1.50
UG-100/U	LN	PLUG	"	.59	"	6	"	1.00
UG-100 SPEC.	REC. CHAS.	"	"	.59	"	6	"	1.00
UG-109/U	LN	ST. AD.	"	.79	"	6	"	1.50
10H/528	ENG. CHAS.	REC	NEW	.59	"	6	"	1.00
10H/702	"	90 DEG.	USED	.59	"	6	"	1.00
10H/1366	"	STRAIGHT	"	.59	"	6	"	1.00
UG-260/U	BNC	RG-71/U	5" TO BULKHEAD	.39	AD.N			
SAME AS ABOVE	#90DEG.UG	"	"	"	"			
UG-260/U	BNC	RG-71/U	9" TO UG-291/U	.59	N			
UG-260B/U	BNC	"	3" TO UG-262/U	.59	N			



CRYSTAL TESTER

TS 268/U CRYSTAL RECTIFIER TEST SET USED FOR TESTING DIODE CRYSTAL RECTIFIERS, CONTAINS 3" METER, 1 MA. FULL SCALE MOVEMENT WITH 0-1 DC MA AND 10 TO 1-0 KILOHMS, ALSO 5 POS. SELECTOR SW. ADJ. CONT. & PUSH SW. OPERATES FROM DRY CELL STANDARD BATTERY. USED TO CHECK 1N-21 & 1N-23 CRYSTALS ETC. SIZE: 4x7x4 WT: 5LBS PRICE: USED \$5.95

DUMMY LOAD

AN/URM-1 DUMMY LOAD FOR TRANSMITTER IN THE 100-400 MC RANGE 5 TO 20 WATTS. DA-38/URM-13 DUMMY LOAD WITH UG-21 COAX. CONN. AND FOUR MAZADA 1476 LAMPS, FOUR EXTRA LAMPS AND 1 UG-83 ADAPTER THAT ADAPTS UG-21 TO PL-259, IN METAL BOX 2x4x2; 1 LB. PRICE: USED \$2.95



TS-238/TS-207 ECHO BOX WITH 200 DC MICROAMPERES METER 3" and CRYSTAL ADAPTER FOR RF ENERGY. ECHO BOX IS A RESONANT-CAVITY DEVICE DESIGNED TO SIMPLIFY THE TUNING AND CHECKING OF RADAR BY PROVIDING A ARTIFICIAL OR "PHANTOM TARGET WHICH MAY BE USED IN USED IN TUNING THE RECEIVER TO THE TRANSMITTER IF NO REAL TARGETS ARE AVAIL. PROVIDES A CLEAR, STEADY ECHO OF KNOWN CHARACTERISTICS WHEN SUCH AN ECH IS NOT OBTAINABLE FROM NEAR BY GROUND TARGETS.) REQUIRES UG-21 COAX. CONN. SIZE: 11x15x7; WT: 15 LBS. PRICE: RE-NEW \$15.00 UG-21 COAXIAL CONNECTOR FOR ABOVE UNIT. 75¢

MA-1 RANGE SERVO TEST SET USED FOR TESTING AND TROUBLE SHOOTING AIR FORCE TYPE "A" SERIES RANGE SERVOS. SPECIFICALLY, THE TEST PROVIDES A MEANS OF MEASURING THE VARIOUS OPERATING VOLTAGES OF THE RANGE SERVO UNDER TEST AND LOCALIZING THE TROUBLE WITHIN A RADAR GUNSIGHT SYSTEM. CONTAINS 3" 50 MICRO-AMP METER WITH 0-60 0-150 SCALES IN RED FOR ACV & 0-50/500 VDC SCALE IN BLK. SELECTOR SWITCHES, INDICATOR LIGHTS AND FOUR GORN CONNECTORS 12M & 12F WHICH ARE MALE & FEMALE 12 CONTACT ALSO CABLE WITH MATCHING DETACH PLUGS. SIZE, 10x10x7 1/2 IN ALUMINUM CASE. WT: 18 LBS. PRICE: RE-NEW \$18.95

RADIOSONDE

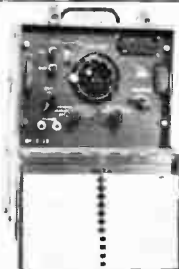
AN/AMT-2 RADIOSONDE: CONSISTS OF TWO MAJOR COMPONENTS: T-69/AMT-2 TRANSMITTER F-2 EMISSION (FM) 390 TO 410 MC RANGE, WITH TUBES 1/1L4 & 1/955 BATTERIES REQ. BB-208 DESCRIBED BELOW. ML-310Q MODULATOR WITH SENSOR MECHANISM CONTAINING ELEMENTS CONTROLLED BY PRESSURE, TEMPERATURE AND HUMIDITY WHICH IS THEN TRANSMITTED. UNIT IS ATTACHED TO TRANSMITTER WITH CLIPS AND CONNECTED BY CABLE. BB-208 BATTERIES ARE DRY CHARGED AND PLUG-IN TO THE TRANSMITTER BOX. CONSISTS OF 3/36 VOLT & 1/5 V. EQUIPMENT IS INTENDED TO BE TAKEN ALOFT BY A FREE BALLOON AND TRANSMIT METEOROLOGICAL INFORMATION TO A GROUND STATION. ACTUAL WEIGHT 2 LBS. SHPG. 3 LBS. ALL 3 \$3.95



TS-328A/U FREQUENCY METER 400 CYCLE POCKET TYPE IN CASE W/TEST LEADS, 9 REEDS 380-420 CYCLE 3x6x4; 2LBS. PRICE: USED \$7.95

T-650 AC OUTPUT METER; SCALES 0-1.5/6/15/60/150 SIZE: 3x6x3; WT: 3 LBS. USED AS-1S\$2.

URC-4 TEST SET TS-684/URM-30 ANALYZER FOR URC-4 RADIO SET, ALIGNMENT AND TESTING CONTAINS 0-1 MA METER, METERING SWITCH, CRYSTAL OSCILLATOR, ANTENNA CABLES ETC. IN METAL CARRYING CASE. SIZE: 6x6x4; WT: 4 LBS. NEW \$8.95



BC-221 FREQ. METER

HIS IS A SIMPLE ACCURATE AND RELIABLE CRYSTAL CALIBRATED FREQUENCY INDICATING INSTRUMENT FOR USE IN THE 125 TO 20,000 KC. RANGE, WITH A NORMAL OPERATING ACCURACY OF LESS THAN .02%. CAN ALSO BE USED AS A SIGNAL GENERATOR OR VARIABLE FREQ. OSCILLATOR. OPERATING VOLTAGE REQUIRED FOR DRY CELL OPERATION 6 VDC .9 AMP. @ 135 VDC 20 MA. SIZE: 10x13x10; WT: 25 LBS. UNITS MAY BE IN WOOD OR METAL CASES VARIOUS LETTERS, COMPLETE WITH TUBES, CRYSTAL, ORIGINAL CALIBRATION BOOK. USED SERVICEABLE \$65.00 PRICE: USED CHECKED FOR OPERATION \$79.50

TS-175 FREQ. METER 85-1000 MC

SAME AS BC-221 BUT WITH DIFFERENT FREQUENCY AND WITH MODULATION. USED CHECKED \$125



WESTON 774 ANALYZER, MULTIMETER TUBE CHECKER AND CAPACITOR TEST SET. PROVIDES FACILITIES FOR TESTING RECEIVER VACUUM TUBES, CHECKING VOLTAGE, RESISTANCE AND CURRENT OF RADIO SETS UNDER LOAD BY USE OF THE PLUG-IN CABLE AND ADAPTERS SUPPLIED WITH THE UNIT. MULTIMETER: D.C. V. 0/7.5/15/50/150/500/1000; A.C. V. 0-2/7.5/15/50/150/500/1000; D.C. MA. 0-10/100/150/500; RESISTANCE 0-10 MEGOHMS IN FOUR RANGES; CAPACITY 0-100 MF. IN FOUR RANGES UNIT COMES IN A HARDWOOD CARRYING CASE WITH ADAPTERS AND MANUAL. SIZE: 12x14x6; WT: 20 LBS. PRICE: NEW \$45.00

RECEIVER



BC-229 RECEIVER A.M. T.R.F. 201 TO 398 KC AND 2500 TO 7700 KC BY USE OF PLUG IN COILS SUPPLIED WITH THE REC WITH SIX TUBES 1/37, 1/38 & 4/39. POWER REQUIRED FOR FILAMENTS 12 VOLTS, HIGH VOLTAGE APPROX 200 TO 250 VOLTS D.C @ 80 MA. SIZE: 16x8x7 WT: 15 LBS. PRICE: UNUSUED WITH TUBES AND COILS \$9.95 CONNECTOR PLUG (1) REQ. \$1.50 TUNING KNOB \$1 A.C. POWER SUPPLY 115 VOLT 60 CYCLE WITH SPEAKER CONNECTING CABLE & PLUG IN METAL CABINET, SWITCH & PILOT LIGHT. NEW \$19.95

I-83 DYNAMOTOR TEST SET USED FOR CHECKING 14 VOLT OR 28 VOLT DYNAMOTORS. VARIABLE INPUT & OUTPUT CONTROLS ENABLE SIMULATION OF LOAD CONDITIONS. 3" METERS FOR MEASURING INPUT & OUTPUT VOLTS 0-35 VDC & 500 VDC RESPECTIVELY. INPUT CURRENT 0-10 AMPS, OUTPUT 0-250 MA. ALSO METER FOR MEASURING PERCENTAGE OF RIPPLE IN THE INPUT & OUTPUT. (THIS IS NOT A DC POWER SUPPLY ONLY A TEST UNIT) SIZE: 12x12x10 1/2. WT 23 PRICE: USED \$18.95 CONNECTOR, CABLE & TERMINAL STRIP... \$2.75

30 MC TRF RECEIVER

R 38C/MPN. RECEIVER 30 MC R.F. PULSE RECEPTION RADAR "S X" WITH AFC AND GAIN CONTROLS ALSO TEST JACKS. 117 V 60 CYCLE VOLTAGE REGULATED POWER SUPPLY. WITH TUBES 2/6SN7, 2/6V6, 1/884, 1/V11, 7/6AC7, 1/6H6, 2/5R4GY, 3/6E4G, 2/6SJ7, 2/YR-105, 1/YR-150. RACK MTG. 19"x8x20" WT: 100 LBS. PRICE: WITH TUBES \$100.00

FREQUENCY POWER METER

FREQUENCY POWER METER ME-51/UP FREQUENCY COUNTER 1100-3999 CALIBRATED TO FREQUENCY 3100MC TO 3500 MC. HAS 0-1.5 MA; 0-25 MW METER. WITH CABLES. IN METAL CARRYING CASE, 18 LBS. 8 1/2x9 1/2x9 1/2 USED \$19.95

RADAR SET



RT-39/APG-5 RECEIVER-TRANSMITTER P/O APG-5 RADAR SET. FREQ. RANGE 2500 TO 2600 MC. POWER OUTPUT 0.5 KW, OPER. RANGE 200 TO 1800 YDS AGAINST AIRCRAFT 5000 YDS AGAINST SHIPS, REMOTE CONTROL, THIS UNIT SUPPLIES RF PULSES TO ANT. AND FEEDS REC. ECHO TO RANGE UNIT. PULSE MODULATED CRYSTAL MIXER. POWER REQ. 115V400 CYC AND 24 VDC. TUBES REQUIRED 1/2C43, 1/2C40, 1/3E29, 9/6AK5, 1/2X2, 1/5Y3, 1/VR-105, 1/1B27 AND 1/1N21. CONNECTOR PLUG \$2.00
 SIZE: CAN 16x10; WT: 25 LBS.
 PRICE: WITH TUBES \$39.50 LESS TUBES \$20

CF-8/APG-5 RANGE COMPUTER; USED W/ RT-39/APG-5 R/T LISTED ABOVE, RECEIVES VIDEO FROM R/T AND FURNISHES V PROPORTIONAL TO RANGE TO SERVO AMPLIFIER. POWER REQ. 115 V. 400 CYCLE AND 24 VDC. WITH TUBES 2/5Y3, 2/6AC7, 2/6SJ7, 3/6SL7, 5/6SN7, 1/6Y6, 1/884, 1/VR-105 & 1/VR-150. ALSO 24 VDC BLOWER.
 SIZE: 16x10 CANNISTER COVER INCLUDED. WT: 25 LBS. (DEMILITARIZED BUT NO EFFECTIVE DAMAGE.) \$19.95
 PLUG CONNECTORS \$2.00 EA. 2 REQ.



AM-61/APG INDICATOR AMPLIFIER; USED WITH APG-5 AND APG-15 SYSTEM WITH ID-116 INDICATOR. POWER REQ. 115 V. 400 CYC. & 24 VDC. WITH TUBES 7/6SN7, 1/5Y3, 3/6SL7, 1/8016, 3/VR-105, ALSO 24 VDC BLOWER.
 SIZE: 16x10 CANNISTER COVER INCL. WT: 25 LBS. \$19.95
 PLUGS \$2.00 EA. 2 REQ.



ID-93/APG-13 RADAR INDICATOR; GIVES TYPE M INDICATION, TYPE INDICATION WITH A STEP ADDED OF OUTPUT OF RT-39/APG-5 REC. TRANS. (DESCRIBED ABOVE). POWER REQ. 115V400 CYC AND 24 VDC. WITH TUBES 1/3BP1, 2/6HE, 6/6SN7, 1/5Y3 & 1/2X2. ALL CONTROLS ON FRONT PANEL, VERTICAL HORIZ., INTENSITY, ZERO SLOPE, MARKER AMPLIFIER REC. GAIN, YARDS RANGE, FOCUS ETC.
 SIZE: 8x10x16; WT: 25 LBS. NEW \$19.95
 CONNECTOR PLUGS, 1 TO RT-39, 1 TO C-1 SIGHT AND 1 FOR INPUT POWER, EACH PLUG \$2.00.

RADAR JAMMER

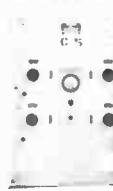


T 26/APT-2 RADAR TRANSMITTER; 500 TO 700 MC, RADIATES 5 WATT OF R.F. ENERGY WHICH IS MODULATED BY A 931 MULTIPLIER (PHOTO) FOR NOISE GENERATOR, 3 MC CARRIER BAND WIDTH. POWER REQ. 115 V. 400 TO 2600 CYC. AND 24 VDC WITH TUBES 1/2X2, 2/5R4, 2/6AC7 1/6AG7, 2/368, 1/607, 1/931.
 SIZE: 8x8x20; WT: 50 LBS. UNUSED \$29.95
 CONNECTOR PLUG \$2.00 ANTENNA PLUG \$.59

JAMMER



RT-45/APG-1 RECEIVER AND TRANSMITTER 14 TO 50 MC. TRANS. USED FOR JAMMING EMPLOYS DIRECT AMPLIFICATION FROM 931A PHOTO-MULTIPLIER TUBE NOISE GENERATOR. H.F. AMPL. HAS A BAND WIDTH OF 200 KC. SINGLE TUNING CONTROL SETS REC-TRANS. ON THE FREQ. ALL REC. BF AND IF CIRCUITS ARE TUNED AT ONE TIME. TRANS. POWER OUTPUT 25 WATT WITH TUBES 1/6SJ7, 3/6SG7, 1/6J5, 1/6AG5, 1/5Y3GT, 1/5R43Y, 1/2X2 AND 1/931 (OPTIONAL). POWER REQUIRED 115 V. 400-2600 CYCLE AND 24 V. METER 2 1/2" 0-200 DCMA.
 CONDITION UNUSED BUT HAVE BEEN DEMILITARIZED BY CUTTING FRAME WITHOUT DAMAGE TO PARTS.
 SIZE: 10x8x21; WT: 35 LBS. \$29.95 L/931 \$25



COLLINS 156R-4 ANTENNA COUPLER 225-400 MC, FOUR TUNEABLE CAVITIES FOR SETTING UP TRANSMITTER ON DIFFERENT FREQ. FOUR JONES MICRO-MATCH COAX. ADAPTERS. METER 2 1/2" 0-200 MICROAMP. WITH SELECTOR SWITCH FOR MEASURING THE OUTPUT OF EACH CHANNEL SELECTED, METER SCALE 0-200 WATTS. POWER OUTPUT. SIZE: 25x17x22; 50 LBS. USED \$50.00



STROWGER RELAY SWITCHING DECKS THAT MOUNT ON THE END OF THE ASSY. SHOWN TO THE LEFT 2 ASSEMBLIES OF 10 DECK 10 CONTACT. WT: 4 LBS. #10D10C. PRICE: USED \$1.00 WIPER ARMS 25¢ EA.



EE-101 TELEPHONE RINGING EQUIPMENT USED FOR CONVERTING 20 CYCLE RINGING TO 1000/20 CYCLE ALSO 1000 CYCLE TO 20 CYCLE FOR OPERATING TEL. DROPS ON 2 CHANNELS. OPERATES FROM 115/230 V. 60/60 CYCLE OR 12 VDC. WITH TUBES 6/6SJ7, 1/6V6GT. 19X9 RACK MGT. SHIPPED IN WOOD CHEST 100 LBS. PRICE USED \$9.95



TG-30 REPEATER, TELEGRAPH TERMINAL FOR TRANSMITTING OR RECEIVING ON A HALF DUPLEX ONE CHANNEL OPERATION. CAN BE USED TO INTERCONNECT NEUTRAL AND POLAR ENIAL OR TWO PATH POLAR TELEGRAPH OR TELETYPEWRITER SYSTEMS ON SIMPLIFIED OR COMPOSITED RETURN CIRCUITS. SPEED 60/66. OPERATES FROM 115/230 V. 50/60 CYC & 115 VDC SHIPPED IN WOOD CHEST 25x16x14; 175 LBS PRICE: USED \$9.95 RE-NEW \$16.95



BD-57 SWITCHBOARD; 20 CORDS AND PLUGS WITH 60 JACKS, USED FOR SUPERVISORY SWITCHING TO STUDENTS IN CODE PRACTICE SCHOOL. (VQ-3 OSCILLATOR ON PAGE 7 CAN BE USED WITH THIS EQUIPMENT. SIZE: 24x10x8; WT: 35 LBS. PRICE: USED \$12.95

RECORDER-VISUAL

ADW-BM TELEPHONE OBSERVING 5 LINE SINGLE POSITION, USED FOR MONITORING IN-OR-OUT CALLS WITH HOLD POSITIONS AND CONFERENCE CALLS FOR ANY GROUPING. OUTPUT JACK FOR AUDIO. INDICATOR LIGHTS FOR ESTABLISHED CALL. VOLTAGE REQUIRED 20-26 VDC. WOOD CABINET 15x17x15; 50 LBS USED \$14.95 NEW \$19.95 PHONE PLUG \$1.50 2CQNT



BC-1323A RECORDER-REPRODUCER AUDIO-VISUAL, USED TO RECORD ON STEEL TAPE 48" LONG 3 CHANNELS AUDIO FROM MICROPHONES, 64 OHM RECODING HEAD, TAPE SIZE .050 W.X.002 TH. 6" PER. SEC. RECORDING SPEED. DISPLAY ON 2" 913 CR TUBE VIEWED THRU RUBBER EYE PIECE. OPERATES FROM 6 VDC 5.5 AMP. WITH 10/9001, 1/6AK6 & 1/913 CR TUBES. SIZE: 8x28x6; WT: 40 LBS. USED \$9.95

PORTABLE REPEATER

EE-89 TELEPHONE REPEATER, PORTABLE BATTERY OPERATED 2 WAY LINE UNIT CAN BE USED AS TERM. OR INTERMEDIATE AMPLIFIER, USES ONE 3Q5GT TUBE, INCLUDES HEADSET ELEMENT FOR MONITORING AND GAIN CONTROL, BATTERY VOLTAGE REQUIRED 1.5 & 90 VDC. IN WOOD CASE W/ CARRYING STRAP. SIZE: 6x9x8; WT: 12 LBS.



RM-42 CONTROL UNIT USED TO OPERATE A RECEIVER & TRANSMITTER FROM A REMOTE POSITION WITH 2 CHANNEL SELECTION ALSO USED AS INTER-COM OR CONNECTED TO BE USED AS TELEPHONE SYSTEM. HAS MAGNETO HAND CRANK GENERATOR FOR RINGING & HANDSET WITH PL-204 ALSO 2 TELEPHONE TYPE SWITCHES, 4 PILOT LIGHTS, VC, ON-OFF SW ETC. REQUIRES WIRES BETWEEN EACH UNIT FOR USE AS TELEPHONE AND BATTERIES. IN METAL CABINET WITH SLOPING FRONT. SIZE 7x8x9 WT: 14 LBS. \$8.95



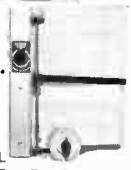
NAVY INTERPHONE AMPLIFIER USED WITH TCS EQUIPMENT. PUSH-PULL 2/12A6 TUBES, CARBON MIC. INPUT 75-200 OHM ALSO 600 OHM. OUTPUT 12 VDC & 250 VDC 60 MA. HAS MOUNTING FOR DYNAMOTOR 35x032, 12 VOLT. (SEE CONVERSION INFORMATION LISTED BELOW.) SIZE: 7x10x7; WT: 15 LBS. PRICE: AMPLIFIER WITH TUBES \$2.95 " " " & DYN. 6.95 KIT FOR CONVERSION TO SPEAKER OUTPUT, APPROX 5 WATTS, INCLUDES OUTPUT TRANSFORMER, MIC & PHONE JACKS, SWITCH, CABLE AND PLUG FOR PLUGGING INTO LIGHTER AND INSTRUCTIONS. \$2.00

STROWGER STEP BY STEP RELAY ASSEMBLY IS USED IN CENTRAL OFFICE DIAL TELEPHONE EXCHANGE. THIS IS THE HEART OF THE DIAL TELEPHONE SYSTEM AS IT HAS THE TEN STEP BANK SELECTION AND 10 STEP LINE SELECTION TRUNK LINE SENSING MECHANISM WITH NECESSARY HOLD AND RELEASE RELAYS. (THE BANK OF ROTARY STEPPING SWITCHES IS NOT PART OF THIS ASSY). SIZE 14x5x7; WT: 13 LBS. WE#ED55242-31G1 PRICE: USED \$5.95



READING PACER TIMER

READING PACER AND READING TIMER THE READING PACER WILL TEST YOUR READING SPEED AND WILL HELP YOU INCREASE THIS SPEED WITH ITS USE. CONSISTS OF A BATTERY OPERATED INSTRUMENT WITH A VARIABLE SPEED WHICH CAN BE SET FOR 250 TO 650 WORDS PER MINUTE, WHEN THE PACER BAR IS PLACED IN POSITION IT WILL MOVE IN ACCORDANCE WITH THE SPEED SETTING. THE READING TIMER IS A SPRING WOUND MECHANICAL TYPE WITH STOP & GO CONTROL AND CAN BE SET FOR A GIVEN TIME UP TO 5 SECONDS OR CAN BE USED FOR ELAPSED TIME. SIZE: 10x11x11; T-2 1/2 DIA. WT: 2 LB. \$4.95



Lōōk. Lōōk. Lōōk LIMITED SUPPLY

- WESTERN ELECTRIC 48A TRANSMITTER AND RECEIVER, 250 WATTS, 2-18 Mc, 30 CHANNELS, 120 VOLT 60 CYCLE.. \$250.00
- COLLINS BC-460A TRANSMITTER 2-18 Mc. 11 PRESET CHANNELS 200/400 WATTS 115/230 V. 60 CYCLE. \$200.00
- TB-142A TRANSMITTER 275-510 Kc, 100 150 WATTS, 1.5 V. 60 CYC. HALLI. \$100.00
- TB-143A TRANS. AMPLIFIER 275-510 Kc. 250 WATTS. ERC. RADIO. \$100.00
- NAVY TYPE CF-52263 TRANSMITTER 200-550 KC 133 WATTS 115 V. 60 CYC. \$100.00
- 3C-365 TRANSMITTER 150-550 Kc. 350 WATTS, 120/220 60 CYCLE. \$100.00

FR-83/U AUDIO FREQUENCY CALIBRATOR TEN STEPS OF 30/50/100/150/200/250/300/350/400/450 AND 500 CYCLES, WITH SYNC. INDICATOR LIGHT. OPERATES FROM 115 V 60 CYCLE, WITH TUBES 6X4, 0P2, 3/12AT7, 1/6AG5 & 1/12AX7. IN-PORTABLE CARRYING CASE WITH HINGED COVER & SCHEMATIC. SIZE: 7x8x15; WT: 25 LBS. PRICE: USED \$30.50

RADIATION DETECTOR

AN/PDR-27 RADIAC SET IS A PORTABLE, WATERTIGHT, BATTERY-OPERATE RADIATION DETECTOR AND INDICATOR. IT IS CAPABLE OF DETECTING AND MEASURING BETA AND GAMMA RADIATIONS TOGETHER OR GAMMA RADIATION ALONE. THE TEST UNIT CAN BE CARRIED BY HAND OR BY THE SHOULDER STRAP. THE PROBE IS ATTACHED TO THE MAIN UNIT BY A COILED CORD. VISUAL INDICATION IS PROVIDED BY THE RADIAC METER, AURAL INDICATION IS PROVIDED BY THE HEADPHONES. BATTERY VOLTAGE REQUIRED 135 VDC & 1.5 VDC ALSO 22.5 -DCV. WITH TUBES 3/502 X, 1/3V4, 2 GM TUBES BS-1 & 2. HEADSET AND MANUAL CONTAINED IN METAL CARRYING CASE 9x11x10 1/2; WT: 28 LBS. PRICE: USED \$19.95 CHECKED FOR OPERATION \$24.95



VISUAL FLASH LAMP

USED BY AIRCRAFT OR GROUND UNITS FOR IDENTIFICATION PURPOSES. DESIGNED TO DELIVER EXTREMELY BRIGHT FLASH OF LIGHT 1 FLASH PER 1 1/2 SEC. WHICH CAN BE SEEN BY AIR IN BRIGHT SUNLIGHT FOR 3 MILES OR 1 MILE ON THE GROUND. AVAILABLE FOR 6, 12 OR 24 V. OPERATION. CONSISTS OF A HIGH VOLTAGE CONVERTER USING A VIBRATOR TYPE POWER SUPPLY, SLYVANIA TUBE #1073. COMPLETE WITH 20 FT. CABLE MANUAL. IDEAL FOR BOATS, PLANES, AUTOS BOAT LANDINGS, COTTAGES, PHOTOGRAPHIC WORK ETC. (CAN BE OPERATED FROM 115 VOLT BY USING OUR D.C. POWER SUPPLIES LISTED ON PAGE 7) SIZE: 17x10x4 1/2; WT: 50 LBS. PRICE: UNUSED CHECKED FOR OPERATION \$29.95



Control Boxes Filters Indicators Tuning Units Amplifiers



C-847/U CONTROL BOX FOR AN/VRC-19. CONTROL BOX CONTAINS 2 PILOT LIGHTS, MOMENTARY SPEAKER CONTROL, SQUELCH CONTROL, AND EXPLOSION PROOF SPEAKER. WHOLE UNIT IS WEATHER PROOF. SCHEMATIC INCL. 9x5 1/2 x 3 1/2. WT. 6 LB USED \$8.95 U-77 CONNECTOR PLUG FOR HANDSET. USED \$1.00



CONTROL PANEL CERAMIC ROTARY SWITCHES
LOCAL/REMOTE 3 CIR. 10 POS. CHANNEL, 50 OHM POT DIMMER. SIZE 6 1/2 x 2 1/2 x 1 1/2. ILB. \$1.25 RDZ-H-307



TELECORD REMOTE CONTROL 3 NEON IND. 2 SPST PUSH SW W/251 7 COND. CORD. SIZE 3x2x5 1/2; 5 LB. NEW \$4.95

C-87/ART-13 CONTROL BOX, WITH 11 CHANNEL SWITCH, OFF, VOICE, C.W-MCW, IND. LIGHT, MIC JACK & CODE KEY. \$2.95

C-626/ARC-27 CONTROL BOX. AUTOMATIC CHANNEL SELECTOR PRESET MECH. W/ 24 V. DC MOTOR, RELAYS, GEARS ETC. SIZE 6 1/2 x 6 x 5; WT: 13 LBS. PRICE, USED \$4.95



BC-1303 CONTROL UNIT USED IN IE-36 TEST SET FOR SCR-522. HAS ALL FACILITIES FOR OPERATION, OFF-A-B-C-D CHANNEL SWITCH, MIC, PHONE & ANT. JACKS, TRANS, REC & REMOTE SW. & PL-170 RECEPTACLE. \$3.95



VERNIER DIAL 6" 0-100 SCALE ADJUSTABLE STOPS 5 POS. USED IN TAJ TRANS. 4 LB. \$2.75



BC-1366 BC-335 CONTROL BOX USED W/R-5, 5A ARN-7, THREE BANDS 200-175C 2" TUNING METER & GRAIN OF WHEAT LAMPS. TAKES MC-124 CONTROL SHAFT. USED \$3.95 FT-224 MOUNTING FOR C-4 BOX WITH TERMINAL STRIP & PLUG USED \$1.50

BC-1366 CONTROL BOX CONSISTS OF 5 POSITION ROTARY SWITCH, VOLUME CONTROL & MICROPHONE & PHONE JACKS PRICE: \$1.00

BC-335 CONTROL BOX WITH MICROPHONE & PHONE JACKS VOLUME CONTROL. 3x3x1 1/2 2 LBS. \$.55

Beam Filter
NAVY TYPE 16F2150
1020 CYCLE ACCEPT OR REJECT W/PL-55 PLUG ON CORD. PRICE: NEW \$2.25
FL-8 AIRFORCE TYPE SAME AS ABOVE LESS PL-55 \$2.50

TL-150 TUNNING WAND
FOR BC-659, BC-620 \$.75

SIDE BAND Loading Coil
C-114 - \$1.50
PHONE PATCH TRANSFORMER
C-161 - \$1.50

HORN
AIRCRAFT HORN SIGNAL WARNING EMERGENCY. TYPE J-1 PART# 71918 24 VOLT DC. 4"x1 1/2" ILB. PRICE: \$1.50

LAMP WITH REFLECTOR, BRACKET & TILT MERCURY SWITCH. WITH 12 VOLT BULB. USED FOR TRUNK LIGHT WHEN LID IS RAISED. ALSO MANY OTHER USES. REFLECTOR 1 1/2 x 2 1/2" #6210-702-8113 59¢ 2 FOR \$1

FLASHER POSITION LIGHT, PERIODIC AIRCRAFT TYPE C-2, CONTAINS 2 FLASHER G-107 BALLAST TUBE, 24 VDC RELAY DPDT, COND, RES SIZE: 4x4x4; WT: 2 LBS. USED PRICE: \$1.00 EA. 2/\$1.50

HEATING ELEMENT
115 VOLT 500 WATT SINGLE SECTION STRIP 23 1/2 LG. X 1 1/2" WIDE X 7/16", METAL SHEATH & MTG. HOLES. 2LBS 2Z5015-24 \$1.50 EA.

HEATING CABLE LEAD HEATING CABLE LEAD COVERED 25 OHM 60 FT. #PARANT-48 13LT 60 FT. LTH. \$2.95

REMOTE CONTROL BOX 3 SPST SWITCHES, 2 EA. MIC & PHONE JACKS ALL WATER-PROOF, 1 DUAL POT. ETC. SIZE: 5 1/2 x 5 1/2 x 3 WT: 3LBS. #OVX23366A NEW 75¢

C-30/ARC-5 BC-451 BC-136/2 C-30/ARC-5 CONTROL BOX WITH 7 push button switches marked A, B, C, D, OFF, 1&2. Also tone, CW & voice switch & connectors. Price... \$1.00
BC-451 CONTROL BOX with switches tone-CW-voice, on-off, 1/2/3/4 also code key, mic & phone jacks.

BC-136-2 Control unit with mic & phone jacks, volume control & two binding post. \$.35 each Four for \$1.00

1-101 CROSS POINT INDICATOR FOR COMBINED USE FROM LOCALIZER REC. & GLIDE PATH REC. PART OF /RN-6 5 & RC-103. SIZE 3 1/2 x 3 1/2 WT: 3LBS. USED \$1.95

CAMERA LIGHT FILTER GRAY COLOR 50% TRANS. SCREW IN MOUNTING. 2-23/32 69MM DIA. WRITTEN DENSITY .30 FOR WOLLENSAK TYPE V254 MM F4.5 35 MM P/O PH330G CAMERA 8A1101-50.4 \$1.95

VACUUM CAPACITOR
VACUUM CAPACITOR 3 MMFD 15 KVDC, PLUS OR MINUS 10% W/ CONNECTORS. SIZE 5/8x4; 8OZ. JENNINGS TYPE Y-3 \$1.50
WESTERN ELECTRIC No. 8047 50 MMF, 5 KV, 5 AMP. SIZE: 1 1/2 x 1 1/2; 4 OZ. U/WBC442 \$2.50

TIMER CLOCK ACCURATE MOVEMENT DRIVEN BY SYNCHRONOUS MOTOR. CONTACTS TO AUTOMATICALLY TURN OFF A UNIT WHICH IS CONNECTED ACROSS T CONTACTS. MAXIMUM TIME ON, IS SIX HOURS. THIS CLOCK HAS MANY USES IN THE HOME AND SHOP. ALL CONTROLS ON FRONT. HAS SWEEP SECOND HAND. FACE, 4 1/2 x 3 1/2; 2 1/2" DEEP. 115V 60CYC. 4 LBS. \$2.95

BB-212 PLASTIC BATTERY NON-SPILLABLE, BALL INDICATOR 2 VOLT 40 A. 7x4x2 1/2; WT: 7 LBS. \$1.95

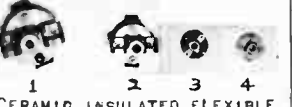
BB-208/ANT RADIC SOFIDE DRY CHARGE BATTERIES, 4 IN A VACUUM PACKED CAN, ONE 6V 24HR THRU 30 OHMS, 3 36V EA. 3A HR. THRU 1200 OHM. EA. BATT. SIZE 1-5/16x29/32x4-5/32; WT. EA. BATT. 4 1/2 OZ. BATTERY PACK (4) \$.50

T-6 PLASTIC STORAGE BATTERY DRY CHARGE, 6 VOLT 4 AMP, 3 1/2 x 1 1/2 x 2 1/2; 1 1/2 LB \$3.95

BB-54 WILLARD PLASTIC STORAGE BATTERY 2 VOLT 28 AMP. HOUR NON-SPILLABLE, BALL INDICATOR DRY CHARGE, ADD ELECTROLYTE SIZE 4x5x3; WT: 4LB. \$2.95
AUTOTUNE HEAD FOR ATC/ART-13 TRANSMITTERS. MULTITURN UNIT WITH DIAL 0-100, KNOB, REVOLUTION COUNTER, LOCKING DEVICE FOR PRESETTING. CONTROL "B". COL#23518 PRICE: \$1.95

ID-14/APN-1 RADIO ALTITUDE METER, 3" SCALE 0-6 MA MOVEMENT. CAN BE USED AS A BASIC METER MOVEMENT AND CHANGE SCALE AS DESIRED. PRICE: USED \$1.50

FLEXIBLE COUPLING



CERAMIC INSULATED FLEXIBLE COUPLING FOR 13,500 VOLT FLASHOVER. 2 5/8" x 2 3/8" FOR 1/4" TO 3/8" SHAFTS. COUN001 EA. \$.50

METAL FLEXIBLE COUPLING 2" X 1 1/2" FOR 1/4" TO 3/8" SHAFT COUN002 EA. \$.40

INSULATED FLEXIBLE COUPLING 1" x 3/4" FOR 1/4" SHAFT. COUN003 \$.25

JOHNSON CERAMIC COUPLING 2x2 F/3" SHAFT #COUN006 59¢ 2 FOR \$1

METAL FLEXIBLE COUPLING 1" x 1 1/2" TO 3/8" SHAFTS. 1" DIA. 1 1/2" LONG. COUN005 \$.25

PRESSURE TRANSDUCER TYPE M-1 TOSS BOMB COMPUTER ELECTRIC TYPE DUAL DIAPHR. HIGH LOW CONN. PITOT & STATIC LINES. SIZE 6x3x4; WT: 3 LBS. STK#1280-568-6013 \$3.95

LANDING GEAR SWITCH ASSEMBLY, SINGLE POLE DOUBLE THROW, PLUNGER TYPE, PLUNGER IS DEPRESSED OPENS ONE CONTACT, CLOSES OTHER, SPRING RETURN. SIZE 3x2 1/2 x 1 1/2; PLUNGER 2 1/2. WT: 8 OZ. PRICE: \$1.50

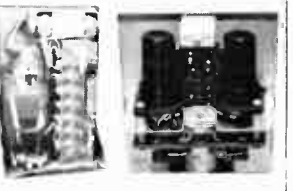
DICTOGRAPH SWITCH BOX LEVER SWITCH 3 POSITION OFF-LISTEN-TALK, 2 INDICATOR LIGHTS, 6 POSITION WAFER SWITCH, 5 FT. 14 COND. CABLE, WOOD CASE WALNUT FINISH. 2x4 1/2 x 3 3/4 LBS. #DICT. 95083 \$3.95

M-33 INSTRUMENT LIGHT W/GRAIN OF WHEAT LAMP, SWITCH & CONTROL RHEOSTAT. USES 2 TYPE "D" FLASHLIGHT DRY CELLS. 1 LB. 75¢

K-14 GUNSIGHT LENSES IN FRAME EACH LENSE 2" DIAMETER, APPROX 3 POWER. WT: 1 LB. \$1.00

RIGHT & LEFT ANGLE DRIVE SHAFT 3/16" SIZE 1/2 MALE & 1/2 FEMALE. 2 1/2 x 2 1/2 x 1 1/2 \$1.50
VERNIER DIAL 2 1/2" 100 TO 0 SCALE. TAKES 1/2" SHAFT. PRICE: \$1.50

ID-14/APN-1 RADIO ALTITUDE METER, 3" SCALE 0-6 MA MOVEMENT. CAN BE USED AS A BASIC METER MOVEMENT AND CHANGE SCALE AS DESIRED. PRICE: USED \$1.50



BC-347 AIRCRAFT INTERPHONE AMPLIFIER

Used in small planes for speaking. Has two ounce transformers Carbon microphone input & standard headset output. Requires 12 Or 24 volt & 250VDC. Uses 6F8 tube. Size 3x2x5 WT 3lbs. With tube \$1.95 Less tube \$1.25
BC-212 INTERPHONE AMPLIFIER USED IN AIRCRAFT FOR INTER COMMUNICATION, CARBON MIC INPUT, OUTPUT FOR 2000 OHM HEADSET. W/ 2/6J5 TUBES. VOLTAGE REQ. 12 V & 220VDC SIZE: 5x5x2; 2 LB. \$1.95

AMPLIFIER USED IN TANK FOR INTERPHONE. W/TWO 6V6 TUBES, LESS DYNAMOT OR. REQUIRES 250 VDC 50 MA. & FILAMENT VOLTAGE. SIZE: 9x9x3; WT: 10 LBS. BC-367 NO CASE F/12V \$1.95 BC-667 W/ F/24V \$2.95

BATTERY CHARGER FOR BB-51 & BB-52 BATTERIES. TRICKLE CH OPERATES FROM 6 OR 12 VOLT STORAGE BATTERY. HAS 2-3" METERS 0-100 DC VOLTS AND 0-30 & 0-300 DC MILLIAMPS SCALES. SIZE: 12x8 1/2 x 7; WT: 20 LBS. PRICE: \$14.95

100 POWER INSPECTION MICROSCOPE MANUFACTURED BY JONES & LAMSON MACHINE CO. 9 1/2 x 2 WT. 5LBS. \$14.95

VIBRATORS

VB-16/6, 12 OR 24 VOLT FOR PE-237 \$3.95
TYPES LISTED BELOW \$1.95 EACH
VB-1/6VOLT FOR PE-117 PE-97 & PE-237 SAME AS VB-7
VS-3/6VOLT FOR PE-104 SAME AS MALL-550C
G534/12 VOLT FOR PE-110
VB-8/2 VOLT FOR PE-157
VB-9/6 VOLT FOR PE-157
VB-11/24 VOLT FOR PE-12
VB-12/6 VOLT FOR PE-120
VB-13/12 VOLT FOR PE-12

TS-279 DUMMY ANTENNA LOAD
Three inch pyrex feed thru insulator, 1000 ohm 100 watt resistor with two test lead & clips. Cabinet size 13 x 6 x 4". Can be used for a chassis. Stock # TS-279 Price \$1.95

MINIMUM ORDER \$3.00

POWER SUPPLIES



RECEIVER POWER SUPPLY & SPEAKER FOR THE FOLLOWING SETS
 R-23/ARC-5 BC-453 BC-342
 R-24/ARC-5 BC-454 BC-344
 R-25/ARC-5 BC-455 BC-348
 R-26/ARC-5 BC-946 BC-429
 R-27/ARC-5 RAX

COMPLETE WITH 6" DYNAMIC SPEAKER HOUSED IN A METAL CABINET WITH CONNECTING CABLE, PLUG, PHONE JACK, VOLUME CONTROL, BFO SWITCH ETC. IF REQUIRED, CAN ALSO BE USED FOR OTHER SETS. OUTPUT 200/250 VDC @ 90/60 MA. & 24 VAC @ 2A. INPUT 115 VOLT 60 CYCLE. SPECIFY FOR WHAT SET. SIZE: 10x10x6; WT: 15 LBS. NO. P.S.(SET NUMB.) PRICE; KIT OF PARTS \$17.00 WIRED \$19.95

BC-652 RECEIVER POWER SUPPLY WITH SPEAKER SAME AS ABOVE; KIT \$20.00; WIRED \$23.95



BC-603/BC-683 RECEIVER P.S. DESIGNED TO BE PLUG IN-THE SAME PLACE AS THE DYNAMOTOR WITH NO CONVERSION TO THE SET THAT WILL EFFECT THE OPERATION FROM THE DYNAMOTOR. ONLY WORK REQUIRED ID ADD ON/OFF SWITCH IN PLACE OF SPAR FUSE HOLDER. TRANSFORMER TYPE USING 5Y3GT TUBE

OUTPUT 220 VDC, 80 MA. & 24 VDC 2 A. WT: 5LBS. NO. P.S.603/683 KIT \$10.00 WIRED \$14.95



BC-923 RECEIVER POWER SUPPLY
 OPERATES FROM 115 VOLT 60 CYCLE; SUPPLIES OUTPUT OF 275 VOLTS DC, 150 MA. & 12.6 VOLTS AC. 4 AMPS. COMPLETE WITH TRANSFORMER, CHOKE, CAPACITORS, SWITCH, PILOT LIGHT, LINE FUSE, 5U4G TUBE, CHASSIS, WIRING DIAGRAM, LINE CORD ETC. SIZE: 5x6x9; WT: 15 LBS. PRICE \$22.95

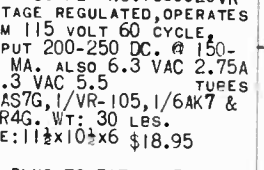
R-77/ARC-3 RECEIVER POWER SUPPLY
 OPERATES FROM 115 VOLT 60 CYCLE; SUPPLIES OUTPUT OF 210 VOLTS DC @ 125 MA. & 24 VOLTS AC @ 2 AMPS. COMPLETE WITH TRANSFORMER, CHOKE, CAPACITORS, SWITCH, PILOT LIGHT, LINE FUSE, 5Y3GT TUBE, CHASSIS, LINE CORD ETC. #PS-R77/ARC-3 SIZE: 5x6x9; WT: 14 LBS. (LAYOUT SAME AS 923) PRICE \$22.95

POWER SUPPLY No. 7630019. OPERATES FROM 115 VOLT 60 CYCLE DUAL HIGH VOLTAGE OUTPUT 400 DC 200 MA & 400 DC 200 MA. ALSO 6.3 VAC 2.75 A. & 6.3 VAC 5.5 A WITH 2/5R4GY TUBES. SIZE: 10x7x15; WT: PRICE: \$19.95



CABLE WITH 18 CONTACT PLUG TO FIT P.S \$2.00

POWER SUPPLY No. 7630020VR VOLTAGE REGULATED, OPERATES FROM 115 VOLT 60 CYCLE. OUTPUT 200-250 DC. @ 150-250 MA. ALSO 6.3 VAC 2.75A & 6.3 VAC 5.5 TUBES 2/6AS7G, 1/VR-105, 1/6AK7 & 1/5R4G. WT: 30 LBS. SIZE: 11x10x6 \$18.95



CABLE WITH 18 CONTACT PLUG TO FIT POWER SUPPLY PLUG, 4 FOOT \$2.00

POWER SUPPLY 763003 (MODIFIED) OUTPUT 375 VDC @ 225 MA & 6.3 VAC @ 2.75 A, 6.3 VAC @ 5.5 A. INPUT 115 VOLT 60 CYCLE. WITH 2/5R4GY TUBES. SIZE: 9 x 13 x 7; WT: 35 LBS. PRICE: \$14.95



CONNECTOR 18 CONTACT \$2.00

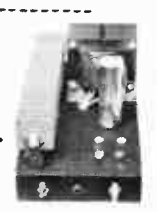
PP-662/GPN POWER SUPPLY, VOLTAGE REGULATED, 300 VDC 10 TO 90 MA. PLUS POTENTIAL, 210 VDC MINUS. WITH TUBES 4/5651, 2/6AH6, 1/12AT7, 2/6AS7, 1/5Y3 & 1/5R4. OUTPUT PIN JACKS WITH ADJUST METERING SWITCH, FUSED OUTPUT & INDICATOR LIGHTS. SIZE: 10x8x20; WT: 35 LBS. NO. COVER OR PLUG IN RELAY. POWER REQUIRED 115 VOLT 60 CYC PRICE: USED \$14.95



DC. SUPPLIES

OPERATE FROM 115 VOLTS 60 CYCLE AND ARE COMPLETE WITH TRANSFORMER, RECTIFIER, CAPACITOR, SWITCH, LINE CORD, PILOT LIGHT, LINE FUSE ETC. INDICATED RATINGS ARE FOR LOAD CONDITIONS.

DUAL OUTPUT 12/14 OR 24/28 VDC @ 6 AMPS. SIZE 7x6x13; WT: 17 STK#PS-12/24VDC6A



KIT OF PARTS... \$20.00
 WIRED COMPLETE... \$24.95

OUTPUT 12/14 VOLTS DC @ 6 AMPS. SIZE: 5x9x5; WT: 20 LBS. STK#PS-12VDC6A

KIT OF PARTS... \$14.00
 WIRED COMPLETE... \$18.95



OUTPUT 24/28 VOLTS DC @ 4 AMPS SIZE: 5x9x5; WT: 12 LBS. STK#PS-24VDC4A

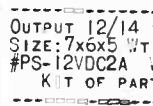
COMPLETE WIRED... \$17.95
 KIT OF PARTS... \$13.00



OUTPUT 12/14 VOLTS DC @ 4 AMPS. SIZE: 5x9x5; WT: STK#PS-12VDC4A

COMPLETE WIRED... \$14.95
 KIT OF PARTS... \$10.00

OUTPUT 24/28 VOLTS DC @ 1 1/2 A. SIZE: 7x6x5; WT: 6 LBS. #PS-24VDC1.5A WIRED... \$10.95
 KIT OF PARTS \$8.00



OUTPUT 12/14 VOLTS DC @ 2 AMP SIZE: 7x6x5 WT: 7 LBS. #PS-12VDC2A WIRED... \$9.95
 KIT OF PARTS... \$7.00

MOBILE SUPPLY



AVA-126 VIBRATOR POWER SUPPLY; OUTPUT 300 VDC 100 MA. OPERATES FROM 6, 12 OR 24 VOLTS D.C. WHEN THE PROPER VIBRATOR IS USED, OCTAL BASE. SUPPLIED WITH 6 VOLT VIBRATOR (USED WITH AVT-112 AIRCRAFT TRANS) ILLUSTR. COVER REMOVED. UNUSED SIZE: 7x7x7; WT: 12LBS. \$4.95

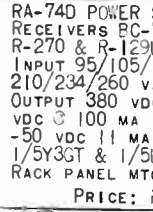


RA-42 POWER SUPPLY RACK MOUNTING 19", 115/230 V 60 CYC OPERATION, OUTPUT 200-250 VDC 100 MA HOUSED IN CABINET 7x8x6 WT. 30 LBS.

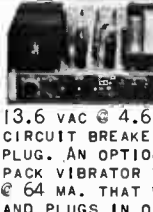
RA-42 B RENEW \$11.95



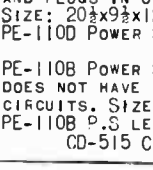
VOLTAGE REGULATED POWER SUPPLY AS USED TS-67 TEST SET, OPERATES FROM 115 V. 60 CYCLE. OUTPUT 150 VDC & 20 MA & -30 VDC @ 40 MA. AND 6.3 VAC @ 5 AMP. (TRANSFORMER RATING IS 700 VOLT C.T OUTPUT) WITH TUBES 1/5Y3, 1/6X5, 2/VR-150, 2/6G6 SIZE: 12x7x7; 26 LBS. USE \$8.95 CONNECTOR PLUGS, 2 REQ. \$1.00 EA.



RA-74D POWER SUPPLY FOR RECEIVERS BC-779, 794, 1004, R-270 & R-129U. INPUT 95/105/117/130/190/210/234/260 VAC 25-60 CYC. OUTPUT 380 VDC @ 50 MA, 250 VDC @ 100 MA 100 VDC 4.5 MA -50 VDC 11 MA & 6.3 VAC 7 AMP. WITH TUBES 1/5Y3GT & 1/5U4G. RACK PANEL MTG. SIZE: 19x10x10; WT: 100 LBS PRICE: RE-NEW \$24.95



PE-110D POWER SUPPLY FOR BC 669 TRANSMITTER-RECEIVER. INPUT 115 VOLT 60 CYCL OUTPUT 520 VDC @ 420 MA. 275 VDC @ 64 MA. AND 13.6 VAC @ 4.6 AMP. WITH 4 TUBES 5Z3, RESET CIRCUIT BREAKERS A.C. OUTLETS AND POWER OUTPUT PLUG. AN OPTIONAL ITEM IS THE 12 VDC POWER PACK VIBRATOR TYPE WITH A OUTPUT OF 275 VDC @ 64 MA. THAT WAS USED FOR RECEIVER STANDBY AND PLUGS IN ON THE CHASSIS. SIZE: 20x9x12; WT: 100 LBS. UNUSED PE-110D POWER SUPPLY LESS 12V PACK \$29.95 12V PACK 4.95



PE-110B POWER SUPPLY SAME AS ABOVE ONLY DOES NOT HAVE CIRCUIT BREAKERS, HAS FUSED CIRCUITS. SIZE: 14x9x12; WT: 75 LBS. USED PE-110B P.S. LESS 12 V. POWER PACK... \$19.75 CD-515 CABLE FOR PE-110 \$5.95

RECTIFIER 12 VDC

RECTIFIER POWER UNIT 12 VDC 20 AMP CONTINUOUS DUTY OUTPUT, INPUT 115, 440 VOLT 60 CYCLE, 3" METERE 0-15 D.C VOLTS, 0-30 DC AMPS. COARSE & FINE CONTROLS, SELINIUM RECTIFIERS BRACKETS FOR WALL MTG. SIZE: 12x17x11; WT: 70 LBS. NEW NAVY#6130-542-6140; MOD. #S20-GS12VN \$45.00



POWER SUPPLY FOR TRANSISTORS. INPUT 115 VOLT 60 CYCLE OUTPUT 0-100 VDC @ 0-100 MA. WITH TUBES 2/6L6, 12AX7, 6AU6, 5U4, 0A2 & 0G3. FOR RACK PANEL MTG. 19x3x7; WT: 16 LBS. #PS-968 USED \$29.95

PP-142 POWER SUPPLY VOLTAGE REGULATED 300 VDC 250 MA. ALSO 6.3 @ 3.75, 6.6 @ 9 A. WITH TUBES 3/6Y6G, 2/5U4G, 1/6AK7 & VR-150 ADJUSTMENT FOR B FUSE LINES, INDICATOR AND EXT. JACKS FOR OUTPUT ON FRONT PANEL. SIZE: 9x16x12; WT: 85 LBS. USED \$22.50

TS-147 REGULATED POWER SUPPLY IN CASE WITH FRONT PANEL AND SOME PARTS. POWER SUPPLY 115 V. 60 CYC. OUTPUT 300 V. 36 MA, 6.3 @ 1 1/2 A 6.3 @ 1.7A WITH TUBES 5R4 6Y6, 6SH7 AND 2/0B2. CASE SIZE: 18x12x11; WT: 35 LBS. PRICE: WITH TUBES AND 2" MILLIWATT METER \$15 NO METER \$11.95

VIBRATOR PACK

PP-68 VIBRATOR PACK CONVERTS 6 OR 12 VOLTS DC TO 115V 15 WATT OR 50 WATT TO RUN SMALL APPLIANCES. IDEAL FOR USE ON CAMPING TRIPS. INPUT: 6 OR 12 VDC OUTPUT: 115 V 60CYC 15 OR 50 WATTS. WT: 22 LBS SIZE: 9x8x7 Used \$9.95

RA-43-B RECTIFIER TUBE TYPE OUTPUT 115V 525W DC; INPUT 95-125V, 50-60CYC AC. PROVIDES POWER FOR 1 TO 3 SWITCHBOARDS. REQUIRES 2/6F6 INCL AND TWO C6J, NOT INCL. WT. 165 LBS. SIZE: 22x17x10 PRICE: \$24.95 USED

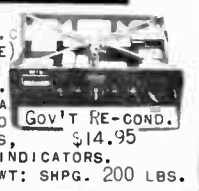
PE-204 VIBRATOR POWER SUPPLY OPERATES FROM 12 VDC OUTPUT VOLTAGES 2/4.3 VDC @ 50 MA. 2/45 VDC @ 1/2 AMP. 2/85 VDC 5 MA. SIZE: 7x5x5; WT: 12 LBS PRICE: UNUSED \$3.95

SCOPE POWER SUPPLY 110 VOLT 380-420 CYCLE INPUT, OUTPUT APPROX. 1800 VOLTS 1.5 MA. WITH TRANSFORMER, 2/CONDENSER .1 4000 VDC, 1/122 TUBE, TERMINAL STRIP RESISTORS ETC. SIZE: 6x7x5; WT: 5 LBS. GE Assy#7608055 \$2.95

PP-111/APS-10 POWER SUPPLY AS USED IN THE APS-10 RADAR SET. OPERATES FROM 115 VOLTS 400 CYC & 24 VDC FOR FILAMENTS, SUPPLIES 4000 VDC 105 VDC & 300 VDC. WITH TUBES 6X5 VR-105, 5R4, 6Y6, 6SH7, 2X2. SHOCK-MOUNTED CHASSIS, SIZE: 9x11x13; WT: 21 LBS PRICE: USED \$4.95 NEW \$6.95

MULTI OUTPUT SUPPLY

RA-105 POWER SUPPLY. INPUT 115 VOLT 60 CYCLE, OUTPUT D.C. VOLTAGES 2400 VDC (FOR SCOPE) 544, 415, 295, MINUS VOLTAGES 1480, 290, 110, FILAMENT VOLT. 6.45 @ 12 AMP. AND 6.45 @ 10 A WITH TUBES 3/5U4G, 3/2X2 AND 1/6X5GT ALSO HAS FUSED LINES, CIRCUIT BREAKERS AND LIGHT INDICATORS. SIZE: RACK MTG. 24"x24x10; WT: SHPG. 200 LBS. Gov't RE-COND. \$14.95



ART-13 TRANSMITTER

100 WATT AIRCRAFT AUTOTUNE TRANSMITTER

MAKES A VERY SATISFACTORY AMATEUR UNIT FOR 80, 40, 20 AND 10 METERS. THE AUTOTUNE FEATURE PERMITS YOU TO PRESET THE FREQUENCY DESIRED ON ANY 10 PRESELECTED CHANNELS. (FOR CONVERSION INSTRUCTIONS SEE MANUALS #2 & #3 \$3.00 EA. TUBE LINEUP 1/837, 1/813, 2/1625, 1/125J7, 2/6V6, 2/811, 2/12SL7, 1/12SA7. VOLTAGE REQUIRED 28VDC 10AMP, 400VDC, 225MA & 1250VDC 250MA. SIZE: 23x16x11 1/2 WT. 70LBS

PRICE: USEC \$49.50
CONNECTOR PLUGS FOR TRANS. U/7 & U/8 \$2.50 EA. DYNAMOTOR FOR ART-13 WITH FILTERS & RELAYS 28VDC INPUT. PRICE: USED \$12.95

NEW
CONNECTOR PLUGS FOR DYNAMOTOR U-9 OR U-10 EACH \$2.50
CU-24/ART-13 ANTENNA SHUNT CAPACITOR CONSISTS OF 3 CAPACITORS 25MUF 10KV. PRICE USED \$1.00

0-17/ART-13 LOW FREQUENCY OSCILLATOR PLUGS INTO THE FRONT OF THE TRANSMITTER AND COVERS THE FREQ. RANGE OF 200 TO 600 KC IN 3 BANDS WITH VFO AND CRYSTAL CONTROL ON THREE PRESELECTED FREQ. COMPLETE WITH ONE 1625 TUBE. ALL OPERATING VOLTAGES ARE OBTAINED FROM THE TRANS. POWER SUPPLY. SIZE 5 1/2 x 5 1/2 x 9; WT. 4LBS.
REQ. REPAIR "AS-IS" w/TUBES \$4.00

SA-22/ART-13 ANTENNA SWITCHING UNIT CONTAINS A BENDIX VACUUM RELAY LM-26G, 24VDC, 2 POSITION CERAMIC SWITCH & 4 LARGE INSULATORS SAME AS USED ON TRANSMITTER, ALSO SO-239 COAX. CONNECTOR. SIZE: 11x7x7 WT 10LBS

PRICE: NEW \$4.95

VARIOMETER COIL FOR ART-13 L-112 ROTOR & STATOR COILS WITH GEARED COUPLING. 4x5x3; 2LB. USED \$1.95
RELAY, OUTPUT CIRCUIT SELECTING, 24 VDC #K105 6x2x3; 2 LB. USED \$2.95

ART-13 AUDIO SPEECH AMPLIFIER CONTAINS TWO 6V6GT & ONE 12SJ7 TUBES, CAN BE USED FOR CARBON OR DYNAMIC MIC. SIZE: 7x4x3 1/2, WT: 4LBS, USED STK#2C254 PRICE \$5.95

ART-13 CFI CALIBRATION FREQUENCY INDICATOR & MCW OSCILLATOR ASSY. USED TO PROVIDE A CONSTANT CRYSTAL CONTROLLED STANDARD OF 200 KC. IN ORDER THAT FREQ. CAN BE CHECKED ALSO 1000 CYCLE TONE. WITH 200KC. CRYSTAL & 2 TUBES SIZE 6x5x3 WT. 3LBS STK. #8Q1 PRICE USED \$6.95

HYDROPHONE

HYDROPHONE TRANSDUCER MICROPHONE
ROCHELLE SALT TYPE USED TO PICK UP UNDERWATER SOUNDS IN THE FREQUENCY RANGE OF 1 TO 20,000 CYCLES. AVERAGE IMPEDANCE 25 OHMS UP TO 400 FT. WITH TRANSFORMER HOUSED IN RUBBER WATERPROOF JACKET FILLED WITH OIL & 9 FT. RUBBER CONNECTING CABLE. SIZE: 56x3 1/2; WT: 2 1/2 LBS. (NOT MAILABLE) SONAR # NT-51038F PRICE: NEW \$14.95

SN-17/APS-10 SYNCHRONIZER, \$9.95 TRANSMITTER & RECEIVER ALSO SWEEP AND CONTROL CIRCUITS FOR THE INDICATOR. GENERATES CONTROL FOR THE PULSE RECURRENCE RATES OF 410 TO 820 CPS AND RANGE MARKS OF 0-4-25 MILES. SIZE 8x6x13; WT: 30 LBS.

TEST SET

TS-3A/AP RADAR FREQUENCY METER 2400 TO 3400 Mc USING A TUNEABLE CAVITY ALSO HAS 3" METER FOR TESTING POWER OUTPUT, 0-2 MA. MOVEMENT 0-20 SCALE. USED WITH SCR-717/720 RADAR SET. WITH CABLES, TEST LAMP, COMPUTER RULE ETC. SIZE: 8 1/2 x 8 1/2 x 8 1/2; WT: 25 LBS. PRICE: UNUSED \$9.95

AIRPORT MARKER BEACON 75MC TRANSMITTER RECEIVER

CDE-52326 NAVY MODEL MARKER BEACON TRANSMITTER PORTABLE UNIT THAT OPERATES FROM 115 VOLTS 60CYC WHICH TRANSMITS A KEYED OR A CONTINUOUSLY MODULATED SIGNAL VERTICALLY IN A BALLON-SHAPED PATTERN ON 75MC. USED AT AIRPORT LANDING FIELDS RUNWAYS IN CONJUNCTION WITH MARKER BEACON RECEIVERS THAT ARE INSTALLED IN THE PLANE THUS ENABLING THE PILOT TO KNOW WHEN HE IS OVER THE RUNWAY. (IN CONJUNCTION WITH HIS OTHER INSTRUMENTS.) WATTAGE OUTPUT (1) ONE WATT, MASTER OSCILLATOR & MODULATED CW, 400CPS, 1300CPS, 3000CPS TUBE LINEUP 4/6V6, 2/6SN7, 1/6SR7, 1/65, 2/VR150, 30 & 1/5Y3. COMPLETE WITH TUBES & DIPOLE ANTENNA & OPERATING MANUAL. SIZE: 17 1/2 x 10 1/2 x 11 WT 35LBS PRICE UNUSED \$29.95

BC-1333 MARKER BEACON RECEIVER 75MC. USED TO RECEIVE SIGNALS FROM ABOVE TRANSMITTER. WHEN SIGNAL IS RECEIVED IT OPERATES A RELAY IN THE RECEIVER WHICH IN TURN CAN BE USED TO OPERATE SIGNALS, LIGHTS, MOTORS, TURN ON EQUIPMENT ETC. VOLTAGE REQUIRED 24VDC. COMPLETE WITH TUBES 1/12SN7, 1/6SH7, 1/6SL7 SIZE: 3x5 1/2 x 5 1/2 WT. 3LBS. PRICE: USED \$2.95

C-1 CONTROL BALLISTICS BOX; FOR BOMBING NAVIGATIONAL COMPUTER PT# 654573; HAS 4 DIALS WITH CONTROLS CONNECTED BY GEARS TO AUTOSYN RESOLVERS SPERRY #6624-28 SIZE 1 1/2 x 1 1/2 5 EA. #662426 1 1/2 x 2 EA. #666347B 3x2 1/2 2 EACH. ROTARY BAND SWITCH 4 DECK 10 POS. SIZE 9x12x8; WT: 20 LBS. \$7.95

AMMUNITION FIRE CONTROL POWER DISTRIBUTION PANEL 171E608G1 & 519E147G1; TWO DIALS THREE GEAR CONTROL, 2 THREE DIGIT COUNTERS WITH MANUAL RESET AND HOLD 24 V OPERATION, 7 SWITCHES, TERMINAL STRIPS ETC. SIZE: 11x11x5; WT: 15 LBS. PRICE: USED \$4.95

OSCILLATOR

R.F. OSCILLATOR. PART OF GKA-1 EQUIPMENT. CONTAINS SEVERAL TYPES OF BAND PASS FILTERS, VARIABLE CONDENSER, TUBE SOCKETS TEST JACKS, RESISTORS 1%, CAPACITORS, 2/UG-88 BCN COAX. CONNECTORS, PILOT LIGHT, SWITCH, POTS ETC. OSCILLATOR FREQ. APPROX. 24 KC. SIZE: 12x12x4 1/2; WT: 13 LBS. USED \$1.95

SCOPE MONITOR CONVERTER

CONVERTER-MONITOR PANEL ASSEMBLY CV-399/GPA2? PART OF COMPUTER SYSTEM. CONTAINS A GOOD 3" SCOPE FOUNDATION ASSY. USING 3CP1A C.R. TUBE MOUNTED ON A PANEL 10" x 12". SCOPE PANEL HAS 0-100 VERNIER DIAL 1 1/2" PLUS CENT, FOCUS CONT. SWITCHES ETC. THE MASTER PANEL HAS 10 SEPARATE SUB-PANELS WITH LOADS OF CONDENSERS, RESISTORS, TERMINAL STRIPS ALSO AUTOSYN, CONNECTORS, CONTROLS, TRANSFORMERS AND LOTS MORE. SIZE: 25x25x14; WT: 55 LBS. USED \$9.95

MILLIVOLTMETER

MILLIVAC D.C. MILLIVOLTMETER TYPE RM-17 MEASURES FROM 1 MV TO 1000 V IN 13 STEPS ON 4 1/2" SQUARE METER. RACK PANEL MOUNTING 19x7" OPERATES FROM 115 VOLT 60 CYCLE. WT: 18 LBS. PRICE: USED \$85.00

GP-7 TRANSMITTER

GP-7 NAVY AIRCRAFT TRANSMITTER 1500-4525 KC & 6200-9050 KC BY USE OF THREE (3) PLUG IN TUNING UNITS SUPPLIED WITH THE TRANSMITTER. AM OPERATION, VOICE/PHONE 30-50 WATTS, CW & MCW 85-125 WATTS DEPENDING ON THE TYPE OF INSTALLATION. WITH TUBES 2/1616, 1/803, 1/801, 1/843 & 1/523, ANTENNA LOADING COIL, PILOTS & OPERATORS CONTROL BOX, THREE ARE TWO 2 1/2" METERS FOR MEASURING THE VARIOUS VOLTAGES AND R.F. OUTPUT. VOLTAGE REQUIRED 115 VOLT 800 CYCLE & 24 VOLTS D.C. THE SET IS CONSTRUCTED OF ALUMINUM AND THERE ARE TWO CASES SUPPLIED FOR THE TUNING UNITS NOT IN USE. SIZE: 23x11x13; WT: 80 LBS. UNUSED \$25.00 TUNING UNIT 4520-6250 OR 800-1500 \$7.95 EACH

RM-52 REMOTE CONTROL UNIT (MACY'S PHONE PATCH) USED FOR RE-CONTROL OF RADIO SET, OPERATES FROM 4 FLASHLIGHT BATTERIES. HAS MULTI-TAP TRANSFORMER, MIC, PHONE HIGH/LOW IMPEDANCE & JACKS. BASIC UNIT FOR MAKING MACY'S PATCH. SIZE: 7x3x5 1/2; WT: 5 LBS. PRICE: USED \$1.95

RM-53 REMOTE CONTROL UNIT BASICALLY THE SAME AS RM-52 ONLY IT HAS A 3 POSITION ION SWITCH AND CORDS WITH PL-55 AND PL-68 PLUGS. SIZE: 8 1/2 x 4 1/2 x 4 1/2; 6 LBS PRICE: USED \$2.95

W.U. INTRAFAX

TRANSMITTER SCANS THE DATA THAT IS FED INTO THE MACHINE WITH A LIGHT SOURCE AND PHOTO ELECTRIC CELL WHICH IS AMPLIFIED AND SENT BY WIRE TO THE RECORDER WHICH THEN REPRODUCES THE DATA ON SENSITIZED PAPER 1 1/2" WIDE. THE TRANSMITTER USES TUBES 1/1X2, 1/6C4, 1/6AL5, 1/931A (PHOTOELECTRIC), LIGHT SOURCE, SYNCHRONIZING MOTORS, GEARS ETC. THE RECORDER DOES NOT HAVE ANY TUBES BUT HAS THE SCANNING MECHANISM, MOTORS, RELAYS ETC. EQUIPMENT OPERATES FROM 115 VOLT 60 CYCLE BUT DOES NOT HAVE THE POWER SUPPLY REQUIRED THE TUBES, PHOTO-ELECTRIC, LIGHT SOURCE AND SCANNING CIRCUITS. TRANSMITTER SIZE 18x18x7; WT: 40 LBS. #7762A RECORDER SIZE 18x12x7; WT: 33 " #7771A PRICES: BOTH UNITS FOR \$60.00 NEW

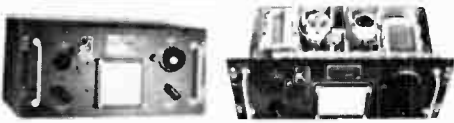
GIBSON GIRL TRANS.

GC-778 TRANSMITTER EMERGENCY TYPE FOR USE ON THE DISTRESS FREQUENCY OF 500 KC. UNIT IS POWERED BY A HAND CRANK GENERATOR THAT SENDS AUTOMATICLY S.O.S SIGNAL, CAN ALSO BE KEYED MANUALLY, WITH 1000 CYCLE TONE MODULATION. WITH 2/12A6 TUBES AND ANTENNA WIRE REEL. (NO KITES, BALLOONS OR PARACHUTES AVAILABLE. SIZE 10x10x8; WT: 20 LBS. PRICE: TRANSMITTER ONLY USED \$29.95 PRICE: TRANSMITTER WITH PARACHUTE NEW \$39.95 -74/Cri-3 TRANSMITTER, SAME AS ABOVE ONLY HAS DUAL CHANNEL 500 KC AND 8364 KC. MANUAL KEYING ON 500 KC. ONLY \$39.95

TELEVISION TELEMETER

TELEMETER PAY TELEVISION PROGRAM SELECTOR. CHOICE OF 3 PROGRAMS THAT TONE OPERATED IN THE VHF BAND WITH PROVISIONS FOR DEPOSITING THE AMOUNT OF MONEY REQUIRED FOR EACH PROGRAM AND INDICATED ON THE COIN REGISTER THAT ALSO SHOWS A CREDIT BALANCE WHEN A OVER PAYMENT IS MADE. A PRE-RECORDED TAPE WILL GIVE PROGRAM INFORMATION WHEN DESIRED. WITH TUBES 1/12BH7, 1/6BE6, 1/6BA8, 2/6U8, 4" SPEAKER, COIN MECHANISM, TAPE MAGAZINE ETC. SIZE: 15x7x7; WT: 25 LBS. #1001/5 \$9.95

PARTS BONNAZA



PLUG IN TUNING UNITS USED WITH BC-191/BC-375 TRANSMITTER. THESE UNITS CONTAIN MANY PARTS THAT CAN BE USED BY SCHOOLS, LABORATORIES, HAMS, OR EXPERIMENTERS. LISTED BELOW ARE THE VARIOUS TUNING UNITS WITH FREQUENCY COVERAGE, AND PARTS LIST. ALL UNITS INCLUDE CABINET, KNOBS, HANDLES, BRACKETS, AND OTHER PARTS. THE NEW TUNING UNITS ALSO INCLUDE THE OUTER CASE.

SIZE: 17x9x7 $\frac{1}{2}$ WT: 13 LBS.

TU-5B 1500-3000KC

M-O tank inductance
M-O band change switch
Antenna coupling switch
P-A band change switch
Capacitors, as follows:
3/0.0001 mfd 3000 volt
0.00003 mfd 2000 volts
2/0.0004 mfd 5000 volts
3/0.00009 mfd 3000 volts
Var. 8-26mmf, 20-135mmf
20-156mmf
Antenna coupling coil
P-A grid choke coil
M-O grid choke coil
P-A tank inductance
Res. 15 ohms, 4.5 watts
2 $\frac{1}{2}$ " vernier dial
Right angle drive
New \$6.95

TU-6B 3000-4500KC

M-O tank inductance
P-A tank inductance
P-A grid choke coil
M-O grid choke coil
Antenna coupling coil
M-O band change switch
P-A band change switch
Antenna coupling switch
Capacitors, as follows:
2/0.00005 mfd 3000 volt
2/0.0004 mfd 5000 volts
Variable cap. 19-116
mmf, 8-26mmf, 15-77mmf
M-O tuning compensator
Res. 15 ohm, 4.5 watts
2 $\frac{1}{2}$ " Vernier dial
Right angle drive
New \$5.95

TU-7-B 4500-6200KC

M-O tank inductance
P-A tank inductance
Antenna coupling switch
Antenna coupling coil
P-A grid choke coil
M-O grid choke coil
Cap. as follows:
2/0.0004 mfd 5000 volts
Var. Cap. 8-26 mmf,
23-111mmf, 19-116mmf
2 $\frac{1}{2}$ " Vernier dial
Right angle drive
New \$5.95

BC-306 ANTENNA TUNING UNIT 200-500 KC

VARIOMETER COIL
VARIOMETER DIAL
ANTENNA COUPLIN SWITCH
INSULATORS
NEW \$4.95

TU-8-B 6200-7700KC

M-O tank inductance
M-O grid choke coil
P-A grid choke coil
P-A tank inductance
Antenna coupling coil
Antenna coupling switch
Cap. 2/0.0004 mfd 5000v
Var. Cap. 14-66mmf,
8-26mmf, 15-81mmf
2 $\frac{1}{2}$ " Vernier dial
Right angle drive
New \$5.95

TU-9-B 7700-10,000KC

M-O tank inductance
M-O grid choke coil
P-A grid choke coil
P-A tank inductance
Antenna coupling coil
Antenna coupling switch
Cap. 3/0.0004 mfd 5000v
Var. Cap. 19-116mmf,
8-26mmf, 15-77mmf
2 $\frac{1}{2}$ " Vernier dial
Right angle drive
New \$4.95

TU-10-B 10,000-12,500KC

M-O tank inductance
M-O grid choke coil
P-A tank inductance
P-A grid choke coil
Ant. coupling coil
Ant. coupling switch
M-O choke coil
Cap. 3/0.0004 mfd 5000v
Var. cap. 14-62mmf,
19-116mmf, 8-26mmf
2 $\frac{1}{2}$ " vernier dial
Right angle drive
New \$4.95

TU-26-B 200-500KC

M-O tank variometer
M-O plate coil
M-O grid choke coil
P-A tank variometer
P-A grid choke coil
M-O band change switch
Antenna Coupling switch
Antenna coupling coil
Capacitors, as follows:
3/0.0004 mfd 3000v
2/0.0005 mfd 5000v
2/0.0004 mfd 5000v
2/0.0035 mfd 5000v
0.002 mfd 5000v
0.0005 mfd 3000v
0.0007 mfd 3000v
12mmf, 35mmf
Var. cap. 8-26mmf
Res. 15 ohm 4.5 watts
2 $\frac{1}{2}$ " Vernier dial
Right angle drive
New \$4.95 Used \$3.95

VAPOR DETECTOR



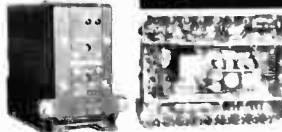
WATER VAPOR DETECTOR 128; CONSISTS OF VALVING ASSY. WITH 2 $\frac{1}{2}$ " 3000 LB. PER. SQ. IN. GAUGE CONNECTED TO A BRASS BLOCK WITH 3 VALVES COPPER TUBING CONNECTS TO SATURATOR BOTTLE AND ANOTHER BLOCK WITH VALVE WHICH ONE OUTLET CONNECTS TO A ELECTRIC AMPLIFIER THRU DETECTOR ELECTRODE AND THE OTHER OUTLET TO A GAS PRESSURE REGULATOR. THE ELECTRIC AMPLIFIER IS HOUSED IN METAL CASE WITH 3" METER 50 MICRO-AMP. WITH TUBES 1/1G6GT & 1/1G4GT IN A OSCILLATOR CIRCUIT, BALANCED BRIDGE TYPE, ANY ELECTRIC UNBALANCE IS INDICATED ON THE METER, ANY ADJUSTING CONTROLS ON PANEL, REQUIRES 67 $\frac{1}{2}$ & 1.5 VOLTS O.C FOR OPERATION. GAS PRESSURE REGULATORS ARE STO. WITH 2" METERS. EQUIPMENT IS USED TO DETERMINE THE AMT OF WATER VAPOR IN THE GAS TO BE TESTED WITH A REF. GAS AS THE STANDARD. CARRING CASE 14x16x10 $\frac{1}{2}$; WT: 60 PRICE USED \$14.95

RELAY TEST SET

USED \$16.95
RE-COND. 21.95

95 RELAY TEST SET USED FOR TESTING 255, 255A, D-16319A, D 164 816A POLAR RELAYS ETC. FOR BIAS AND SENSITIVITY. THE ELECTRICAL CHARACTERISTICS ARE DETERMINED BY THE DEFLECTIONS OF THE METER. ALSO CONTAINS CIRCUIT FOR SENDING PULSES FOR TESTING EXTERNAL TELEGRAPH CIRCUITS AND A 10-20 CYCLE OSCILLATOR FOR TESTING AND LINE-UP PURPOSES. OPERATES FROM 115/130 VDC 10 WATTS. (RA-87 RECTIFIER SHOWN ON PAGE 8 OF THIS CATALOG WILL OPERATE THIS EQUIPMENT) SHIPPED IN WOOD CHEST 24X12X13; WT: 75 LBS.

A.F.C. UNIT



AUTOMATIC FREQ. CONTROL UNIT No. 600671; USED WITH FIRE CONTROL SYSTEM WITH 16 TUBES 2/5829, 1/5703, 2/5702 & 1/5784, DPDT SIGMA RELAY THAT WILL OPERATE FROM 14 VDC @ 2.8 MA, SLUG TUNED COILS, RESISTORS, COND. ETC. (SORRY DO NOT KNOW FRFQ. NO SCHEMATIC) SIZE: 4x8x6; WT: 5 LBS. PRICE USED \$2.95

LABORATORY FOR ELECTRONICS MODEL 401 OSCILLOSCOPE; HIGH GAIN WIDE BAND INST. DESIGNED FOR THE MOST VERSATILE REP. OF PULSES AND COMPLICATED WAVE FORMS. VIDEO AMPLIFIED FREQ. RANGE O.C TO OVER 10 MC. AMPLITUDE LES THAN 15 MILLIVOLTS P/CM TO 50 V. P/CM, 6 DECADE RANGES OF SWEEP SPEEDS PERMITS EASY SYNCHRO. SHAPER CIR. 1N/IMP. 1 MEGOHM 30 UUF/PROBE 10 MEGOHM 10 UUF ATTENUATOR 1X, 3X, 10X, 100X, 300X AND 1000X. 1N/TERM. DIRECT 52, 72 OR 93 OHM/AC COUPLING MAX. SIG. IN. 600 V.P. 1 WATT, 52, 72, 93 OHMS. EXT. SWEEP INPUT; DEF. 3 V. PEAK TO PEAK P/CM 1 CYCLE 500KC, TRIGGERED & DELAYED SWEEPS. TIME RANGE .1 MICROSEC./CM TO 10,000P/CM REPETITION RATE 500 CY TO 5KC. INT/EXT TRIG REQ. .5 TO 100 V.P/P NO/POL. DEL. SWEEP 2-5000 MICROSEC. 3 RANGES. DIAL SCALE 500 DIVISIONS IN THREE RANGES. POWER REQ. 105/125/210/250 VOLT 50 TO 500 CYC SIZE: 12x15x19; WT: 75 LBS. C.R.-8YP1 EXTRA PRICE: USED \$175.00 CHECKED FOR OPERATION \$25

WAVE METER

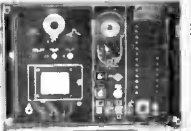
SCOPE OSCILLATOR

AN/UPM-1 WAVEMETER-OSCILLATOR-SCOPE RADAR TEST UNIT FOR 155-235MC AND 460-570MC CONTAINS PULSE AND SWEEP GENERATORS VIDEO AMP. 3" OSCILLOSCOPE, TWO WAVEMETER TWO OSCILLATORS, POWER REQUIREMENTS: 80, 115, OR 230 VOLTS AC. 60-1000 CYCLES. SIZE: 30x21x24; WT: 150 LBS. USED \$39.99 ANTENNA FOR AN/UPM-1 SIZE: 21x12 WT: 11 LBS. USED \$9.95

SIGNAL GENERATOR

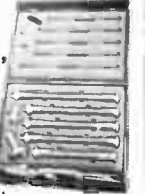
USED \$18.95

BC-1277 SIGNAL GENERATOR; 2400 TO 3400 MC. TUNED CAVITY DIGIT COUNTER DIVISIONS 30/60 MC. 0-50 D.C 3 $\frac{1}{2}$ " MICROAMP. METER FOR MEASURING THE VOLTAGES OF THE VARIOUS CIRCUITS. ATTENUATOR, SYNC. AMP., STO. SIGNAL SHAPE AND CAL. SIGNAL AMPLIFIER CIRCUIT OPERATES FROM 115 V. 50-1200 CYCLE. WITH TUBES 3/VR-150, 4/6AC7, 2/VR-105, 2/6Y6, 2/6SF5, 1/6L7, 1/6L6, 1/707A, 1/6X5 & 1/5T4. USED FOR TESTING RADAR. SIZE IN WOOD CHEST 22x17x17; WT: 100 LB

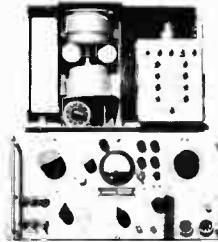


ATTENUATORS

MX-1309/URM-23 POWER MEASURING; KIT OF WAVEGUIDE ATTENUATORS, ADAPTER, BALOMETER, CABLE & CHART, 1000 TO 4000 MC.
1 ATTENUATOR CN-110/U 10 DB
1 " CN-111/U 20 DB (2pc)
1 " CN-168/U 3 DB
1 " CN-169/U 6 DB
1 RF BALOMETER DT-76/U, "N" CONN
1 ADAPTER CONN. UG-402/U
1 COAXIAL CABLE CG-92B/U, W/UG-21 EA. END. METAL CARRING CASE, FITTED, SIZE 19x5x14; WT: 32 LBS. COMPLETE SET \$14.95



PULSE GENERATOR



AN/UPM-19 RAAR TEST SET CONSISTS OF SG-76 PULSE GENERATOR THAT COVERS THE FREQ. OF 2650-2950 MC. VARIABLE FREQ. AND R.F. OSCILLATOR CONTROLS BCN CONN. REQ. FOR R.F IN, R.F OUT, VIDEO PULSE AND SYNC. OUT JACKS. 2 $\frac{1}{2}$ " R.F CAL. POWER METER 25 TUBES, OPERATES FROM 24 VDC VIBRATOR POWER PACK. ABOVE IS CONTAINED IN CASE # 1 OF 2. CASE 2 OF 2 CONTAINS, 2 ANTENNAS, CONTROL BOX, LITE INDICATOR BOX, PLUGS AND CABLES. ALUMINUM CARRING CASE SIZES 16x8x14 AND 14x10x10; SHPG. WT: 80 LBS. PRICE: USED \$29.50

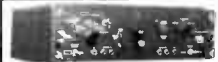
CALIBRATOR



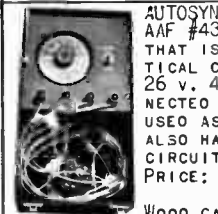
TS-102B/WP CALIBRATOR: RANGE CALIBRATOR PORTABLE PULSE GENERATOR WITH REPETITION FREQ. OF 400,800, 1600, 2000 & 4000, MARKER AND SYNCHRONIZING PULSE, VARIABLE DELAY LINE PHASE ADJUSTMENT. OPERATES FROM 115 V. 50-1000 CYCLE WITH TUBES 2/6X4W, 3/6AG7 6/5814, 2/UG273/U CONN. 4/CABLES W/UG-88R/U SIZE: 16x10x11; WT: 28 LBS. UNUSED \$14.95



TS-164 FREQUENCY METER CASE EMPTY CASE USED TO HOUSE FREQ METER BC-221, CAN ALSO BE USED FOR SIMILAR TYPES, HINGED FRONT COVER FOR CALIBRATION BOOK, FRONT COMPARTMENT SIZE 9 $\frac{1}{2}$ x7 $\frac{1}{2}$ x7 $\frac{1}{2}$, REAR COMPARTMENT HAS 2 BALLAST TUBES AND VOLTAGE REGULATOR TUBE VR-105, REAR COMPARTMENT IS 2" DEEP ALSO RELAY AND SHOCK-MOUNTING. SHPG. WT: 19 LB. NEW \$3.95



JB-70 JUNCTION BOX; USED WITH BC-610 TRANSMITTER. FRONT PANEL HAS SWITCHES AND CONTROLS FOR REMOTE USE OF TRANS. HAS AC OUTLETS BOTTOM & SIDE, 4 HEADSET & 2 KEY JACKS, MIC PLUG, 2 WAFER, 4 TOGGLE, LEVER & START/STOP SWITCHES, CIRCUIT BREAKER, CABLES ETC. SIZE 19x13x5 $\frac{1}{2}$; WT: 40 LBS PRICE: USED \$9.95



AUTOSYN INSTRUMENT FIELD TESTER; AAF #43G18624 IS A SIMPLE TESTER THAT IS DESIGNED TO TEST THE ELECTRICAL CIRCUITS OF ALL MINIATURE 26 V. 400 CYC. AUTOSYNS. WHEN CONNECTED TO THE SUPPLY IT CAN BE USED AS A TRANSMITTER OR INDICATOR ALSO HAS ELECTRICAL ZERO TESTING CIRCUIT. SIZE: 6x10x5 $\frac{1}{2}$; WT: 8 LBS. PRICE: METAL CASE HINGED COVER & CABLES. USED \$8.95 WOOD CASE NO COVER/CABLES 3.95



CONTROL PANEL K-2406-3 FOR POWER, FUSE & ALARM, PILOT & HIGH/LOW, 3 FUSED SERVICES, 4 PILOT LIGHTS, 4 PUSH BUTTONS, PRINTED CIRCUIT BOARD HAS 12 TRANSISTORS, 4 0100ES RESISTORS, CONDENSERS AND 2 VARIABLE COILS (ACCORDING TO THE MARKING ON THE CHASSIS THIS UNIT MAYBE TUNED TO 268 KC) ALSO RELAYS 1/12 VOC DUAL COIL 1/SPDT 1/SPST, ONE 24 VOC DPDT & 3 24VOC 3PST. SIZE: 3 $\frac{1}{2}$ x4x9; WT: 4 LB. USED \$5.95

MOTOROLA RECEIVER 30-40MC
 FM, DUAL CONVERSION SINGLE CHANNEL CRYSTAL CONTROL, SQUELCH CIRCUIT, 6 VOLT VIBRATOR POWER SUPPLY WITH 2/6x5 TUBES, RECEIVE TUBE LINEUP 8/6SG7, 1/6K8 1/6K6, 2/6H6, 1/6C8. USED LESS CRYSTALS.
 SIZE: 15x9x9; WT: 30 LBS. FMR-13 \$29.95

MOTOROLA RECEIVER 70-80 MC, DUAL CONVERSION, CRYSTAL CONTROL, SINGLE CHANNEL, SQUELCH CIR. 6 VOLT VIBRATOR POWER SUPPLY, WITH TUBES 10/7C7, 1/7C5, 2/7AG7, 1/7F7 & 2/7AG7. USED
 SIZE: 15x9x9; WT: 30 LBS. #FMR-16V \$19.95

MOTOROLA TRANSMITTER F.M. 30-40MC U 6V 9.95
 " F.M. 152-172 " U 6V 14.95
 CABLES TO FIT MOTOROLA R/T 2/REQ. EACH 2.75

30 MC - 28 MC
 BC-499 RECEIVER F.M. 20-28 MC, 5 CHANNEL CRYSTAL CONTROL, FD 15 KC. WITH 11 TUBES 3/12SH7, 1/12SL7, 2/12H6, 2/12A6, 1/12SL7GT & 2/12K8. WITH 14 VDC DYNAMOTOR OUTPUT 260 VDC 60 MA.; AUDIO OUTPUT 500OHM & SQUELCH CIRCUIT.
 SIZE: 12x9x9; WT: 23 LBS. PRICE: RE-NEW \$18.95
 CONNECTOR PLUG TO FIT UNIT ... \$1.50

PHILCO TRANSMITTERS PRT150GT 154-172 MC. FM. 30 WATT, 6 VOLT DYNAMOTOR P.S. CRYSTAL CONTROL SINGLE CHANNEL TUBES, 2/3A4, 1/9003, 1/6BJ6, 2/2E24, 1/6C4 & 1/2E30. USED CONO
 SIZE: 15x10x8; WT: 35 LBS. PRICE: W/TUBES, L/CRYS. \$14.95

PHILCO RECEIVER PRT72G 70-80 MC. F.M. 6 VOLT VIBRATOR POWER SUPPLY, CRYSTAL CONTROL, SQUELCH CIRCUIT, WITH TUBES 3/6B06, 3/6AK5, 2/6AQ6, 1/6C4, 1/7F7 & 1/7A8. USED LESS CRYST. SIZE: 15x10x8; WT: 30 LBS. \$14.95

NAVY WALKIE TALKIE **MARINE BAND**
 NAVY WALKIE-TALKIE TRANSMITTER & RECEIVER. THIS EQUIPMENT IS CRYSTAL CONTROLLED AND CAN BE OPERATED ON ANY ONE CHANNEL IN THE FREQUENCY RANGE OF 2.3 TO 4.5 MC. VOICE (A3) COMMUNICATION ONLY, OUTPUT OF TRANS IS 0.2 WATTS AND SATISFACTORY COMMUNICATION BETWEEN UNITS OVER AVERAGE TERRAIN SHOULD BE ABLE TO BE MAINTAINED UP TO APPROX. (1) ONE MILE.
 WITH TUBES 1/1R5, 1/1S5, 2/1T4, 3/3S4. VOLTAGES REQUIRED 67.5 VDC 3 MA; 135 VDC 4 MA; 1.5VDC 225 MA FOR REC. 67.5 VDC 1.5 MA; 135 VDC 19 MA; 1.5VDC 225 MA & -6VDC 30 MA FOR TRANSMIT. UNIT COMES IN A WATERPROOF PLASTIC CASE WITH SPACE FOR BATT. OR POWER SUPPLY. TELESCOPING ANTENNA 8 FT. HAS SPEC. LOADING COIL. COMPLETE WITH TUBES, ANTENNA, 2 CRYSTALS FT-243 (NO CHOICE) HEADSET W/CANVAS BAND, CARBON MICROPHONE, CANVAS COVER, & MANUAL. SIZE: 8x8x2; WT: 8 LBS. \$9.95

NAVY WALKIE-TALKIE DIRECTION FINDING EQUIPMENT MODEL DAV SAME AS "MAB" DESCRIBED ABOVE ONLY HAS A DIRECTION FINDING LOOP CIRCUIT FOR HOMING AND IS IN A WATERPROOF PLYWOOD CASE WITH WEB STRAPS FOR CARRYING ON BACK OR FRONT. ALSO COMPLETE WITH TUBES, HEADSET WITH CANVAS BAND, LIP MICROPHONE, TELESCOPING ANTENNA & 2 CRYSTALS (NO CHOICE) WITH MANUAL. SIZE: 14x10x3; 11LB USED \$12.95

VIBRATOR POWER SUPPLY MAB & DAV DESIGNED FOR USE WITH MAB & DAV DESCRIBED ABOVE, OPERATES FROM 6 V DC STORAGE BATTERY NT-6, THAT FITS ON BOTTOM OF P.S. PACK, 6 V 4AMP. (CAN BE OPERATED FROM ANY 6 VDC 4 A. SOURCE) SUPPLIES 1.5 VDC .3 A, -6 VDC .02 A, 67.5 VDC .005 A. 135 VDC .02A. ALSO USED WITH NAVY EQUIP. MU, MV, MW, & MX. SIZE: 6x3x3; 1 1/2; WT: 2 LBS. NEW \$6.95

N-T-6 PLASTIC STORAGE BATTERY FOR ABOVE POWER SUPPLY CRF-20221A SUPPLIES 6 VOLTS DC 4 AMP. SIZE: 3x2x2; WT: 2 LBS. DRY CHARGE BATTERY. \$3.95

30 MC - 50 MC
 RCA F.M. RECEIVER 30 - 50 MC SINGLE CHANNEL, CRYSTAL CONTROL, WITH TUBES 9/6SH7, 1/6SL7, 1/1635 & 2/6H6. AVAILABLE WITH 6 OR 12 VOLT VIBRATOR PACK.
 SIZE: 9x10x16; WT: 23 LBS. RCA#CVIB OR EQUIVALENT.
 PRICE: USED W/6 V. PACK \$29.95 W/12 V \$34.95

LINK RECEIVER 30-50 MC FM TYPE 11-UF-ED-6. CRYSTAL CONTROL SINGLE CHANNEL, DUAL CONVERSION, SQUELCH CIRCUIT WITH TUBES 5/7AG7 2/7A6, 1/7C7, 1/7F7, 1/7B5 & 1/7F7. VOLTAGES REQUIRED FOR FILAMENTS 6 VOLTS, HIGH VOLTAGE 250 VDC 60MA.
 SIZE: 12x13x9; WT: 22 LBS. PRICE: USED \$27.50
 POWER & CONTROL PLUG \$1.00 ANTENNA PLUG \$1.00

115V 60 CYC & 6 VDC
 LINK TYPE 5-FRX TRANSMITTER RECEIVER; F.M. 30-40 MC 115 VOLT 50-60 CYCLE OR 6 VOLT DC. SINGLE CHANNEL CRYSTAL CONTROL. SET IS HOUSED IN METAL BOX WITH SPEAKER, HANDSET, PILOT LIGHT CONNECTOR AND SWITCH FOR 6 OR 115 V. OPERATION. TRANSMITTER OUTPUT IS 3 WATT USING TUBES 1/7F7, 1/7W7, 2/7C5, CRYSTAL FREQ. IS MULTIPLIED 32 TIMES FOR OPERATING FREQ. RECEIVER SENSITIVITY 1/2 MICROVOLT OR BETTER. WITH TUBES 2/6AC7, 2/6K8, 1/6V6, 1/6SH7, 1/6SJ7, 2/6H6, 1/6SL7 & 1/6K6. FREQ. DEVIATION - 15KC CASE SIZE 21x9x15; WT: SHPG. 80 LBS.
 PRICE: USED AS DESCRIBED \$55.00
 REPRODUCTION OF MANUAL 5.00

NAVY TCS TRANSMITTER
 AM, 1.5 TO 12 MC IN 3 BANOS, 40 WATTS CW, 20 WATTS PHONE, VARIABLE MASTER OSCILLATOR AND 4 CRYSTAL CONTROL PRE SET CHANNELS OVER THE ENTIRE FREQ. RANGE. WITH 3/12A6 TUBES IN THE OSC. AND BUFFER-DOUBLER, 4/1625'S MODULATOR AND POWER AMPLIFIER STAGES. ILLUMINATED DIAL WITH VERNIER AND SPIN TUNING, 2 1/2 INCH METERS FOR READING VOLTAGES & R.F. ALL TUNING AND OPERATING CONTROLS ARE ON THE FRONT PANEL. VOLTAGES REQUIRED 12 VDC & 400-440 VDC 200 MA. SIZE: 11x11x13; 41LB USED \$34.50
 USED CHECKED FOR OPERATION \$44.50

TCS POWER SUPPLIES
 115 V 60 CYCLE (NOT SURPLUS) COMBINATION UNIT FOR RECEIVER, TRANSMITTER & CONTROL BOX 7x8x13; 50 LBS. WIRED \$50.00
 TRANSMITTER ONLY; 5x6x9; 15 LB. " 35.00
 RECEIVER ONLY WITH SPEAKER 10x10x6; 15 LB. " 20.00

TCS CABLES RECEIVER TO POWER SUPPLY \$2.75
 " " TRANSMITTER TO " " 2.75
 PLUGS FOR CONTROL BOX & " " (2) 3.00

TCS ANTENNA LOADING COIL #47205; USED TO MATCH THE OUTPUT OF THE REC./TRANS. TO A WHIP ANTENNA TO OBTAIN THE MAXIMUM PERFORMANCE. OR BY USE OF THE 6 POSITION TAP SWITCH IT CAN BE USED TO MATCH VARIOUS LENGTHS OF STRAIGHT WIPE ANTENNA SYSTEMS.
 SIZE: 6x9x6; WT: 7 LBS. PRICE: USED \$6.95

TCS PARTS
 MOST PARTS AVAILABLE, ASKIVE US OF YOUR NEEDS.

LINK RECEIVER TRANS. 152-172 MC & 12 V
 LINK RECEIVER #1905 152-172 MC FM, DOUBLE CONVERSION, SINGLE CHANNEL CRYSTAL CONTROL, VIBRATOR P.S. SQUELCH CIRCUIT WITH TUBES 2/7A6, 1/7F7, 7/7AG7, 1/7B5 & 2/6AK5. CONDITION USED.
 PRICE: W/12 VOLT P.S \$39.50 W/6 VOLT P.S \$34.95

LINK TRANSMITTER #1905 152-172 MC FM, 50 WATT WITH TUBES 2/2E26 DRIVING A 829 IN THE FINAL, 1/7AG7, 1/7F7 & 1/7W7. DYNAMOTOR POWER SUPPLY. PRICE: W/12 VOLT P.S \$19.95 W/6 V. P.S \$14.95
 SIZE OF REC./TRANS. 8X10X12; WT. EA. 30 LBS. CABLES: (REC. 2 REQ.) (TRANS. 3 REQ.) EA. \$2.75
 TRANSMITTER ONLY LESS TUBES & DYNAMOTOR \$7.75

CONTROL RECEIVER
 R-127-RADIO CONTROL CONVERTING RECEIVER 162-174 MC F.M. 2 CHANNEL OUTPUT, BATTERY OPERATION, REQUIRED VOLTAGES 67.5, 45, 30, 1.5, 7.5 & 10.5 WITH TUBES 2/959, 2/1T4, 2/3S4, 1/1S5 & 1/958. I.F. 8.25 MC CHASSIS AS PHOTO. W/SCHEMATIC RE-NEW \$14.95
 SIZE: 12x8; WT: 12 LBS. CONNECTOR PLUG TO FIT UNIT..... 1.50

RECEIVER
 R-74/CRY-2 RECEIVER A.M. SUPERREGENERATIVE TYPE FOR REMOTE CONTROL USE IN THE 53-88 MC BAND. WHEN THE RF TRANSMITTING CARRIER IS MODULATED BY 475 OR 3000 CYCLE TONE. IT ACTUATES THE RELAY IN THE RECEIVER WHICH CAN BE USED TO CONTROL EQUIP. SINGLE PRESELECTED FREQ. MUST BE USED. WITH TUBES 1/6SG7, 1/6J5, 3/6SL7 AND 1/6SN7. AND DYNAMOTOR 24 VDC INPUT, OUTPUT 250 VDC 60 MA. SIZE: 6x8x10; WT: 15 LBS. PRICE: USED \$6.95

NAVY TCS RECEIVER
 AM, 1.5 TO 12 MC IN 3 BANOS, CRYSTAL CONTROL ON FOUR PRESET CHANNEL OR VARIABLE FREQUENCY OVER THE ENTIRE RANGE. AUDIO OUTPUT 1.5 WATTS INTO A 500 OHM LOAD. WITH TUBES 12SK7 RF AMPLIFIER, 12SA7 CONVERTER, 2/12SK7 IF AMPLIFIER, 12SC7 DETECTOR/BFO, 12A6 OSC. & 12A6 AUDIO AMP. IF FREQ. 456. ILLUMINATED DIAL WITH VERNIER & SPIN TUNING. AUDIO GAIN, AVC & BFO CONTROLS. VOLTAGES REQUIRED 12 VDC & APPROX. 220 VDC @ 100 MA. CW PITCH AND OSCILLATOR SELECTOR CONTROLS. SIZE 11x11x13; 37LB. USED \$44.95
 USED CHECKED FOR OPERATION 54.95

TCS REMOTE CONTROL UNIT TYPE 23270 FOR REC. TRANS. AND AMPLIFIER WITH HEAVY DUTY 5" PM SPEAKER, MIC & PHONE JACKS, VOL. CONTROL & SWITCHES. 3x5x7; 7 LBS. RE-NEW \$9.95

RUBBER SHOCK MOUNTS ONLY EACH \$5.00
 MOUNTING BASE ONLY \$1.50 WITH 4 MOUNTS \$2.95
 NOISE LIMITER CONVERSION KIT W/6H6 TUBE 2.00

TCS DUAL DYNAMOTOR POWER SUPPLY INPUT 12 VDC 14.5 AMP. OUTPUT 440 VDC 200 MA. FOR TRANS. 225 VDC 100 MA. FOR REC., FILTERED INPUT & OUTPUT WITH START RELAY & CONNECTORS FOR CONNECTING REC. TRANS. & CONTROL BOX. RE-NEW \$14.95
 SIZE: 12x7x7; WT: 35 LBS. PRICE: \$14.95

D-401 DYNAMOTOR ONLY FOR TRANS. INPUT 12 VDC 9.9 AMP, OUTPUT 440 VDC 200 MA. RE-NEW \$6.95

D-402 DYNAMOTOR ONLY FOR REC. INPUT 12 VDC 3.8 AMP. OUTPUT 220 VDC 100 MA. RE-NEW \$4.95

STEPPING SWITCHES



WESTERN UNION AUTOMATIC NUMBERS CONSISTS OF 3 ROWS OF LIGHTS NUMBERED 0-9, 3 STEPPING SWITCHES 6 DECK 11 POSITION, ONE 10 DECK 24 POSITION STEPPING SWITCH, ONE RELAY 4PDT & 4PST, OPERATES 40-48 VDC, MOUNTED ON CHASSIS 4 1/2 x 7 1/2 x 13 1/2; WT: 12 LBS. #9701.1A
PRICE: USED \$19.95



STOCK#	POS.	DECK	VDC	PRICE:
7709181P2	25	10	24	\$9.95
7709181P6	25	9	24	8.95
7709181P1	26	9	24	9.50

CONTINENTAL CONNECTORS 75-20H-1
ONP2 & P6, 34-20H/P2, 21-20H/P1

Z17139	25	5	24	\$5.95	
917723	24	6	30/36	4.95	
917722	24	8	30/36	5.95	
916909	24	10	30/36	6.95	
916972	12	2	32/36	1.95	
NO CONNECTORS	917958	11	3	32/36	2.95
ON OTHER UNIT	917978	11	6	32/36	3.25

RECORDER PLAYBACK



D-5 DIRECTOR AND T-5 TRANSCRIBER DICTATING-RECORDING MACHINE FOR PLASTIC DISC 6" @ 33-1/3 RPM. THE D-5 DIRECTOR CUTS AND CAN PLAY

BACK THE RECORD WHICH IS CONTROLLED BY THE MICROPHONE. UNIT HAS ADVANCE AND REPEAT CONTROL AND MODULATION LEVEL INDICATOR. THE RECORD HAS A CENTERING INDEX TO SHOW HOW MANY LINES HAVE BEEN TRANSCRIBED. THE T-5 TRANSCRIBER IS FOR PLAYBACK ONLY AND IS CONTROLLED BY A STOP AND GO FOOT SWITCH. THE OUTPUT IS FEED TO A HEADSET PHONE JACK. EQUIPMENT OPERATES FROM 115 VOLT 60 CYCLE AND IS UNUSED BUT MAY NEED SOME REPAIR AND ADJUSTMENT. DISCS ARE FOR HALF HOUR RECORDING SIZE: DIRECTOR 11 1/2 x 9 1/2 x 3; WT: 12 LBS. TRANS. 9 x 9 x 10 1/2; WT: 10 LB.

PRICE: AS DESCRIBED DIRECTOR, TRANSCRIBER, MICROPHONE, SWITCH & 50 BLANK DISCS \$30.00

Box of Fifty (50) BLANK DISCS \$3.00

TRANSISTOR BOARDS

THE TRANSISTOR BOARDS LISTED BELOW ARE APPROX. 4 1/2 x 5 1/2 AND CONTAIN THE PARTS LISTED. \$1.25 PRICE: EACH,

#44485-506-11
3/#6111 G.E. TUBES; 2/2N338 SWITCHING AND HIGH FREQUENCY TRANS.; 2/1/2 WATT RES.; 3/1 WATT RES.; 6/ GLASS DIODES; CAPACITORS: 3/.1 MFD @ 100 VDC; 2/.061 MFD @ 200 VDC; 3/1.5 MFD.-150 VDC TANTALUM ALUM CAP.

#40085-401-31
2/2N498 4W. SILICON MESA PNP TRANS. 1/2N335 .15W SMALL SIGNAL TRANS. 6/1N540 DIODE 2.5A-400PIV; 4/1/2 WATT RES.; 3/1/2 WATT 1% RES.; CAPACITOR: 1/5MFD-150 VDC TANTALUM; 1/7 MFD 100VDC TANTALUM; 1/2MFD-100VDC TANTALUM; 1/.1MFD-1000 VDC; 1/.0033MFD 100VDC; 3/.1MFD-100VDC; 1/1000OHM BOURNS TRIMPOT.

#40835-401-11
2/2N498 SILICON MESA PNP-4W; 3/2N335 .15 W SMALL SIGNAL TRANS.; 6/U-222 DIODES; 1/2K BOURNS TRIMPOT; 4/1/2 WATT RES.; 7/1/2 WATT 1% RES.; 1/.1MFD-200 VDC CAPACITOR.

#44490-506-11
1/#6021 TUBE; 4/1N251 SILICON SIGNAL DIODE 5MA 1V.; 1/1N643 SILICON DIODE 10MA-200V.; 1/10K BOURN TRIMPOT 11/2WATT RES; 2/2WATT RES.; 1/1% RES CAPACITOR: .35MFD-150VDC TANTALUM 1.5MFD-150VDC TANTALUM; .0647MFD -200 VDC; .022MFD-200 VDC; 3/.01-200 VDC; .01-400 VDC; 1 TRANSFORMER

K2401 PLUG-IN PRINTED CIRCUIT BOARD w/BILEY CRYSTAL 436 KC 6 TRANSISTORS, 12 DIODES, 436 KC & 108 KC FILTER, CONDENSERS, RESISTORS, TRANSFORMER SIZE: 9x4x1; 2LB. USED \$2.95
K2419 SIMILAR TO ABOVE UNIT W/ 7 DIODES, 2 TRANSISTOR, 19 RESISTORS, 14 CAPACITORS, 5 SMALL TRANSFORMERS, 2 FILTERS, SOCKETS ETC. SIZE: 9x4x1; 2LBS. \$1.50

TRANSISTOR BOARDS 5/ \$1.00 BOARDS SIMILAR TO THOSE PICTURED. EACH PACKAGE CONTAINS 5 BOARDS WHICH HAVE DIODES TRANSISTORS, CONDENSERS, AND RESISTORS. EACH BOARD 2 5/8 BY 3 7/8. WT. 9 OZ. PRICE: 5/ \$1.00

COMPUTER

COMPUTER PRIMARY CONTROL BOX MK-1 CONTAINS 1 AY-232 AUTOSYN, 4 BAND SWITCHES, 4 TOGGLE SW. 6 PILOT LITE 2 SMALL DIRECT LITES, 4 RELAYS 24 V KNOBS, CONN. ETC. SIZE 6-3/4x4x1 1/2; WT: 10 LBS. \$3.95

VIGATIONAL AIR DATA COMPUTER SERVO AMPLIFIERS #SA 118H /P.S#107861, 1 TEST ADAPTER, POSITIONERS FOR JUMP ANGLE, TRUE AIR SPEED, DYNAMIC PRESSURE, AIR DENSITY, ANGLE OF ATTACK & MACH. SIZE: 9x5x1 1/2; WT: 40 LBS. USED \$18.95

ELAPSED TIME METER

ELAPSED TIME METER 0-9999.99 HOURS. CAN BE USED TO KEEP RECORD OF RUNNING OR OPERATING TIME OF ELECTRICAL, ELECTRONIC EQUIPMENT, INDUSTRIAL MACHINES ETC. RECORDS ELAPSED OPERATING TIME IN HOURS, TENTHS & HUNDRETHS. OPERATES FROM 40 VOLTS 60 CYCLE OR FROM 115 VOLT 60 CYCLE BY USE OF DROPPING RESISTANCE WHICH IS SUPPLIED. NUMBER VIEWER SIZE 1/2". USED IBM#74C503D; SIZE: 2 1/2 x 2 1/2 x 3 1/2; 2 LB. \$2.95

ELECTRIC IMPULSE COUNTER 24 VAC 0-9999 WITH HAND RESET. WILL OPERATE FROM 12 OR 24 VOLTS 60 CYCLE. EACH CURRENT IMPULSE WILL RECORD ONE NUMBER, INCREASING. SIZE: 2 1/2 x 1 1/2 x 2 1/2; WT: 1LB. MERCURY #B3 MERCURY #B-32 PRICE: USED \$2.95

BC-223 TRANSMITTER

\$19.95



BC-223 TRANSMITTER 25 WATT 2000 TO 5200KC BY USE OF 3 PLUG IN TUNING UNITS, CRYSTAL CONTROL AND VARIABLE OSCILLATOR, FOUR PRESELECTED CHANNELS, USES

FT-171 CRYSTAL HOLDERS WITH TUBES 1/801 OSCILLATOR, 1/301 POWER AMPLIFIER, 2/46 MODULATORS, 1/46 AUDIO AMPLIFIER, 2 1/2" METERS, 0-3 R.F. & 0-300 VDC MA. VOLTAGE REQUIRED 12 OR 24 VDC & 500 VDC @ 150-200 MA.

Size: 18x13x7; WT: WITH 3 TUNING UNITS 100 LBS
PRICE: W/TUBES AND 3 TUNING UNITS WITH CASES FOR 2 TUNING UNITS.. New \$19.95

TU-17 TUNING UNIT 2000-3000 Kc.	\$3.95
TU-18 " " 3000-4500 "	2.95
TU-25 " " 4500-5200 "	2.95
CS-56 CASE FOR HOUSING TUNING UNIT	1.00
FT-173 SHOCKMOUNTING	1.95
POWER PLUG CONNECTOR F/TRANS OR POWER	1.25
PE-135/PE-55 DYNAMOTOR 12/24 VOLT, USED AC POWER SUPPLY	10.95
KIT OF PARTS \$25.00	WIRED \$29.95

COMCO MODEL 278 TRANSMITTER-RECEIVER 275 MC. RECEIVER-TRANSMITTER FOR 6/12/24 VOLT OPERATION. POWER OUTPUT 2-3 WATTS. UNIT IS CRYSTAL CONTROLLED (CRYSTALS NOT INCLUDED). COMPLETE WITH TUBES: 2E26, 5686, 5/68H6, 12AX7, 2/6AQ5, 6AT6, 3/68J6, 6BE6, 2/6AK5, 5AK6. UNIT COMPLETE WITH TUBES, CABLES, SPEAKER, AND CONTROL BOX. SIZE: 12 1/2 x 11 1/2. WT: 35 LBS. USED \$39.95

DIVERSITY RECEIVER

DIVERSITY RECEIVING EQUIPMENT PROVIDES A MEANS FOR COMBINING THE OUTPUT OF THREE RECEIVERS TO PRODUCE A SINGLE KEYED AUDIO OUTPUT SIGNAL, FREE FROM NOISE AND OTHER UNDESIRABLE INTERFERENCE. IT IS SUITABLE FOR USE ONLY IN C&M & MCW SIGNALS AND NOT VOICE. THE BAND PASS FILTER IS FOR 600 TO 1200 CYC. AND THE OUTPUT OF EACH RECEIVER IS INDICATED ON THE METERS WHICH ARE 500 MICROAMP. THE AUDIO FREQ. CONTROL CAN BE ADJUSTED FOR THE PROPER BAND PASS. INPUT AND OUTPUT IMPEDANCE IS 600 OHMS. EQUIPMENT OPERATES FROM 115/230 VOLT 50/60 CYC. AND CAN BE RACK MOUNTED. W/TUBES 1/VR-150, 1/6F8, 3/6A6, 2/6JS7, 1/77, 1/1V, 1/80. SIZE: 21x19x14; WT: 125 LBS. PRICE: NEW WITH MANUAL \$19.95

AMPLIFIER, FILTER, POWER SUPPLY. PRINTED CIRCUIT WITH TUBES 2/5840, 1/5678 & 1/6112, SILVER PLATED SHIELDS RESISTORS, CONDENSERS ETC. SIZE: 5x3x3; 2LBS. #1280-779-1385

\$1.50

AIRSPPEED INDICATOR

IC-168 APA-44 AIRSPEED INDICATOR. CONTAINS A KOLLSMAN TRUE AIRSPEED METER AND AN INDICATING DEVICE WITH A RANGE OF 84 TO 434 KNOTS. BY OPERATION OF THE TEST SWITCH THE AIRSPEED SERVO MAY BE MADE TO RUN IN DIRECTION OF INCREASING AIRSPEED, IN DIRECTION OF TRUE AIRSPEED, OR TO HOLD THE PRESENT SETTING FLEXIBLE TUBE CONNECTED TO A TEMPERATURE COMPENSATING THERMOMETER. JOHN OSTER MOTOR # AV 240 28 VDC. TUBES 1/6AK5W. WESTERN ELECTRIC RELAY D171584. SIZE 15x7 1/2 x 5. WT. 19 LBS. USED \$2.95 RE-NEW \$8.95

RT-122/APW-11 REC.-TRANS.

RT-122/APW-11 RECEIVER TRANSMITTER, THIS UNIT CONSISTS OF A TUNABLE RECEIVER CAVITY, A CRYSTAL DETECTOR, A VIDEO AMPLIFIER, DECODING CIRCUITS, A TRANSMITTER AND CIRCUITS FOR OBTAINING AUDIO FREQUENCY TONES FROM THE PULSE POSITION MODULATED SIGNALS OF THE AN/MSQ-1. THE TRANSMITTER CONTAINS CIRCUITS FOR ENCODING THE REPLY BY VARYING THE SPACING BETWEEN THE TWO REPLY PULSES. THE RECEIVER-TRANSMITTER RECEIVES INPUT PULSES TRANSMITTED AT A PULSE REPETITION FREQUENCY OF 410 CYCLES PER SECOND AND A PRESET CARRIER FREQUENCY RANGING BETWEEN 2680 AND 2920 MC. THE REPLY PULSES ARE AUTOMATICALLY TRANSMITTED AT A PRESET CARRIER FREQUENCY RANGING BETWEEN 2700 AND 2950 MC. TUBES: 1/12AT7; 2/2D21; 6AS6; 6AL5 2C40. SIZE: 13x5 1/2 x 6. WT. 19 LBS. PRICE: USED WITH TUBES....\$14.95 USED LESS TUBES.... 5.95

C-400/APW-11 SELECTOR UNIT FOR RT-122 REC-TRANS. CONTAINS 6 RELAYS 24 VDC SPST NORM OPEN, 15 9 PIN SOCKETS, 1 OCTAL, 6 FILTERS, 1 DPDT SW. RESISTORS CONDENSERS ETC. 5x6x12; 8 LBS. PRICE: USED LESS TUBES \$2.95

SERVO AMPLIFIER

SERVO AMPLIFIER #358661 IN SEALED BLACK BOX CONTAINING SIX (6) TUBES 2/6AL5, 2/6AQ5, 1/6096, 6/101, RELAY DPDT, OUTPUT TRANS. COND. RESISTORS ETC. SIZE: 5x3x4; WT: 4 LBS. USED \$1.95

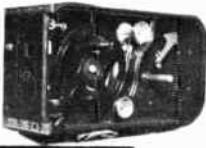
AMPLIFIER

WES. ELEC. ELEC. KIT AMPLIFIER SERVO TYPE: OPERATES FROM 115 VOLT 60 CYCLE, WITH TUBE 3/6SN7, 1/6H6, 1/6SN7 & 1/5T4, POWER SUPPLY OUTPUT 250 VDC 80 MA (UNFILTERED) 5 VAC @ 3 A 6.3 VAC @ 3 A., 6.3 VAC @ 4 AMP. ALSO INTER-STATE TRANSFORMERS, RESISTORS, CONDENSERS, CONTROLS ETC. CHASSIS SIZE 14x6x1 1/2; WT: 19 LB. PRICE: USED \$4.95

MAGAZINE

MAGAZINE FOR RADARSCOPE IMAGE RECORDING CAMERA TYPE C-1A FOR THE 0-15 CAMERA SYSTEM. WITH 1-3/8" x 3 3/4" SPOOL.

SIZE: 3 1/2 x 5 x 9 1/2; WT: 8 LBS. PRICE: USED \$9.95



MAGAZINE

MAGAZINE FOR RADARSCOPE IMAGE OPTICAL TARGET RECORDING CAMERA TYPE C-7 WITH FILM SPOOL SIZE 1-3/8" x 2 1/2."

SIZE: 3 1/2 x 6 x 5 1/2; WT: 5 LBS. PRICE: USED \$9.95



COMPUTER SYSTEM



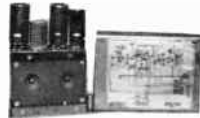
AMPLIFIER, ELECTRONIC CONTROL TYPE D-1; CHOPPER SAMPLING TYPE WITH TOROIDAL TRANSFORMERS WITH FEED-BACK LOOPS, 6 VOLT 400 CYCLE CHOPPER, 1/5814 & 1/5751 TUBES, SELENIUM RECTIFIER SUPPLY, RESISTORS, CONDENSERS ETC. W/SCHEMATIC

VOLTAGES REQ. 255VDC, -35VDC, 6.3VAC, 115/400CY
SIZE: 4x6x9; WT: 12 LB. PRICE: USED \$4.95

COMPUTER-POWER SUPPLY LA-15 CONTAINS 115 V 400 CYCLE P-S OUTPUT -35VDC & 210 VDC, 3 DECK 25 POS. WAFER SW. 3 POLE 25 POS. WAFER SW. 1 " 12 POS. WAFER SW. 33



PRECISION RESISTORS WIRE TO THE SWITCHES ALSO COND. RECTIFIERS, CONTROL ETC. W/SCHEMATIC
SIZE: 6x4x4; WT: 3 LBS. USED \$3.95



AMPLIFIER, ELECTRONIC CONTROL TYPE E-1; TORRID COIL TRANSFORMERS, K2701 CHOPPE ERROR SAMPLING & FEED-BACK COMMAND SIGNAL. 1/5751 & 1/5678 TUBE, TRANS. ETC.

VOLTAGE REQ. 255 VDC, -22V, 6.3 VAC & 115V400C
SIZE: 4x6x1 1/2; WT: 2LB. W/SCHEMATIC U \$1.95

MOUNTING BASE FOR AMPLIFIER ASSY. LA-18; USED WITH CAMERA CONTROL SYSTEM LA-17, HCLDS COMPUTER P.S LA-15, CONTROL AMP. E-1 & D-1 DESCRIBED ABOVE CONTAINS 4 RELAYS 4PDT, SWITCHES FILTER, RESISTORS ETC. ALSO MATTING PLUGS FOR ABOVE UNITS.
SIZE: 13 1/2 x 5 x 2; WT: 8 LBS.



\$3.50 BASE ONLY, WITH SCHEMATIC
CONNECTOR PLUGS TO FIT BASE ONLY, EACH \$2.50
CONNECTOR PLUGS TO FIT UNITS " " 1.00

DIGITAL DISPLAY



DIGITAL DISPLAY: EACH UNIT WILL SHOW NUMBERS 0 TO 9 ALSO \$ SIGN 3-3/16" HIGH ON 3 1/2 x 4 SCREEN THAT CAN BE SEEN FOR QUITE A DISTANCE. OPERATES FROM 6.3 VAC. CAN BE ADAPTED FOR BASKETBALL FOUL INDICATOR BY PLACING ONE OVER EACH SCOREBOARD AND HAVE A CONTROL PANEL CONSISTING OF 5 SWITCHES AND TRANSFORMER AT THE SCORER'S TABLE. (WIRING DIAGRAM FURNISHED ON REQUEST) CAN ALSO BE ADAPTED FOR USE AS A MOVING READOUT BOARD. SIZE: 3 1/2 x 5 1/2 x 1 1/2; WT: 7 LBS. PRICE: USED \$7.95 EACH 2 FOR \$15.00

SPECIAL TUBES



INFRA-RED IMAGE CONVERTER TUBE PERMITS SEEING IN THE DARK WITH LITTLE OR NO VISIBLE LIGHT. THIS IS ACCOMPLISHED BY MEANS OF INFRA RED RAYS WHICH ARE DIRECTED AT THE OBJECT OR AREA TO BE VIEWED. WITH ASSOCIATED ACCESSORIES THIS TUBE CAN BE UTILIZED TO DO THIS PLUS MANY OTHER EXPERIEMENTS CAN BE TRIED IN OTHER AREAS. (DETAILS OF SNOOPSCOPE SUPPLIED WITH PURCHASE.) SIZE: 1 1/2 x 1 1/2; WT: 4 OZ. PRICE: \$1.95 EA. 3 FOR \$5.00

PHOTOTUBE: SIMILAR TO VISTRON R-71, 90 VOLTS. WITH LEADS, SIZE 1 1/2 x 2 1/2. \$1.50

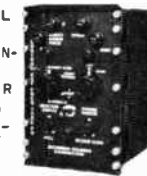
SIMILAR TO VISTRON R-50, 90 VOLTS. WITH LEADS, SIZE 5/8 x 1 1/2. \$1.00

TYPE 923 4 PIN BASE \$2.25
TYPE 930 OCTAL " \$2.25

LIGHT SENSITIVE SWITCH 12 VOLT; AS USED IN MIRROR-MATIC REAR VIEW 35¢ EA. 3 FOR \$1.00
GEIGER MULLER TUBE 10-85/2J1-20 \$5.95

EXPOSURE CONTROL

TYPE P-8 CONTROL BOX FOR CONTROL OF EXPOSURE FREQUENCY USED WITH CAMERA EQUIP. HAS 4 PAIRS OF CONNECTORS 2/ 11 CONDUCTOR, 2/ 15 CONDUCTOR, 2 POTIOMETERS, 2 WAFER SWITCHES, 4 FUSE HOLDERS, 6/ 28 VDC OPEN FRAME RELAYS, MISC CAPACITORS AND HARDWARE. SIZE 6x7 x 9. WT; 14 LBS PRICE: \$8.95



AMPLIFIER

AM-142/AIC AMPLIFIER USED IN LARGE AIRCRAFT AS A AUDIO LINE BOOSTER AND MIXER FOR THE INTER COMMUNICATION SYSTEM. INPUT IMPEACANCE 500OHM OUTPUT 600 OHM. OPERATES FROM 24 VOLTS D.C. USES ONE 26A7 TUBE. WITH TUBE & SCHEMATIC. SIZE: 5x5x2; WT: 3 LBS. PRICE: USED \$2.95

SEEALED UNITS.

AMPLIFIER



RCA MI-22812 LATTICE AND SERVICE CHANNEL ADAPTER PANEL; RACK MOUNTING 19" AMPLIFIER USING 3/6AW8

TUBES, 115 VOLT 60 CYCLE POWER SUPPLY OUTPUT APPROX. 250 VDC @ 120 MA. USING SELENIUM RECTIFIERS. SIZE: 5" DEEP, 5" BEHIND PANEL & 6" IN FRONT. WT: 15 LBS. PRICE: UNUSED \$14.95

AMPLIFIER



RCA RLA-1A TWO CHANNEL AUDIO AMPLIFIER. TWO TRANSFORMER COUPLED INPUTS. EACH CHANNEL USES 1/2 12AX7 AND ONE 6AQ5. PILOT LIGHT

ON-OFF SWITCH. WITH TUBES: 6AX5, 12AX7, 2/6AQ5. 115V 60 CYC. SIZE 7x7x17, WT: 20 LBS. PRICE: USED \$14.95

TUNING UNIT



BC-746 TUNING UNIT; CONTAIN TRANSMITTER & RECEIVER CRYSTALS, ANTENNA COIL, ANTENNA TANK VARIABLE CAPACITOR AND CORE-TUNED REC. R.F COIL HOUSED IN A FIBER CASE WHICH PLUGS INTO THE BC-745 RECEIVER-TRANSMITTER SET THAT THAT COVERS THE FREQ. RANGE OF 2 TO 6 MC. A.M. THE VARIABLE CAPACITOR VAL-IN ALL UNITS 6.5 MMF-140MMF

THERE ARE 13 DIFFERENT TUNING UNITS AND THERE ARE TWO FT-243 CRYSTALS OF DIFFERENT FREQ.

CHAN. NO.	TRANS. FREQ.	REC. FREQ.	CHAN. NO.	TRANS. FREQ.	REC. FREQ.
1	3010 KC	3465 KC	8	3525	3980
2	3825 "	4280 "	9	3655	4110
3	3995 "	4450 "	10	3735	4190
4	4845 "	5300 "	11	4780	5235
5	5500 "	5955 "	12	5030	5485
6	5880 "	6335 "	13	5305	5700
7	3245 "	3700 "			

SIZE: 4x3x1 1/2; WT: 1LB. \$1.00 EA. EXCEPT 7/8/10
PRICES: CHAN. 8 \$1.50 CHAN. 7&10 \$1.25

SUPER PRO OSCILLATOR



MC-531 CRYSTAL OSCILLATOR KIT FOR BC-779 SUPER PRO. IS DESIGN TO STABILIZE THE OPERATION OF THE RECEIVER UNDER CONDITION OF VARYING LINE VOLTAGE AND

CHANGING AMBIENT TEMPERATURE BY MEANS OF A CRYSTAL OSCILLATOR WHICH PROVIDES FOR CRYSTAL CONTROLLED RECEPTION AT ANY ONE OF THREE SIGNAL FREQUENCIES IN THE RANGE 1.5-20 MC. A 6AC7 IS USED IN A PIERCE OSCILLATOR. VOLTAGES REQUIRED; 270VDC AND 6.3VAC. 1 1/2 x 4 1/2 IN PANEL WITH CRYSTAL PHASING CONTROL AND CRYSTAL SELECTOR SWITCH. LESS CRYSTALS, W/ TUBE, 6AC7. SIZE 7x7x3 1/2, WT: 6 LBS. PRICE: RENEW \$5.95

ARP RECEIVER



R-34/APR-2 RECEIVER 90-1000 MEGACYCLES, PROVIDES AUTOMATIC OR MANUAL SCANNING THROUGH THE FREQ. RANGE. ALL SIGNALS WITHIN THE RANGE CAN SIMULTANEOUSLY INDICATED VISUALLY ON THE DIAL AND GRAPHICALLY ON THE 1-3/8" SENSITIZED TAPE: TIME AT

WHICH SIGNALS APPEAR IS ALSO RECORDED ON THE TAPE; DURING THE SWEEP CYC. WHICH MAY BE SET AT 1.5 OR 5 RPS. AUTOMATIC SWITCHING FOR LOW AND HIGH ANT. VOLTAGE REQ. 26 VDC & 80-120 V 400 TO 2600 CYC. WITH 18 TUBES, 5 ROLLS OF TAPE AND OPERATING INSTRUCTIONS.

SIZE: 21x10 1/2 x 8; WT: 50 LBS. UNUSED \$99.50
MT-171 SHOCKMOUNTING FOR ABOVE RECEIVER \$2.75
CONNECTOR PLUG ONLY \$1.50 WITH CABLE ...\$2.75

U.H.F. REC-TRANS.

TRANSMITTER-RECEIVER W/S CDN NO. 29 "B" SET APPROX 230 TO 245 MC. WITH SELF CONTAINED 12/24 VDC POWER SUPPLY. TWO PRE-SET CHANNELS IN THE FREQ. RANGE. (IDEAL SET FOR LOCAL NETTING. WITH TUBES 4/6AG5 2/6AK6, 2/6CA & 3/6J6. SIZE: 4 1/2 x 8 x 11; WT: 18 LBS. PRICE: USED \$18.95



DIGIT CONTROL



CONTROL SPLIT VERTICLE CAMERA TYPE K-3, CONTAINS 24 VDC 4 DIGIT COUNTER, 2 LIGHTS, 2 PUSH SWITCHES, 4 DECK 4 POS. WAFER SW. AND 4 EA. 320R BULE
SIZE: 6 1/2 x 2 x 5; 3LBS. \$2.95 U

UTILITY BLOWERS

THE BLOWERS LISTED BELOW ARE STANDARD SHADED POLE TYPE AND ARE QUITE RUNNING WITH NO RADIO INTERFERENCE.

50 & 100 CFM BLOWERS

For Heat Boosters, Dryers, Exhausters, Drafts

You can't buy a better blower for forced draft, ventilation, warm air heating systems, heat boosters, exhausters, dryers, etc. Lowest priced, best made blowers of their kind.

#1C939F \$8.95
 No. 1C939F Single and twin types, 50 and 100 CFM respectively. Sturdy 3" dia. blower wheels are direct-driven by 115V, 60 Cy. quiet running Dayton motors. Steel housings are rubber mounted. 2 1/2" discharge. Outlet velocity 1500 ft./min. 9" wire leads. Black finish. Shpg. wts. 5 and 6 lbs.

340 CFM TWIN BLOWER

For Hot & Cold Air Circulation, Exhaust, Etc.

#2C069F \$20.95
 For this 275 CFM Dayton 7 1/2" in. blower. Ideal for air circulation, forced draft, and exhausting jobs requiring more air than possible with single blower. Efficient, dependable and quiet 4 1/2" dia. balanced wheels powered by 1500 RPM, 115V, 60 Cy. motor with 12 leads. Rubber mounted pressed steel housings with 3 1/2" x 3 1/2" outlets. Each outlet has 4 1/2" square flange to facilitate mounting. Outlet velocity is 1960 ft. min. 3 1/2" dia. air intakes. 1 1/4" W x 8 1/2" H x 8 1/2" D. Black baked-on enamel. You'll like this blower's performance and the way it is built. Wt. 12 lbs.

#2C781F \$8.75
 100 CFM BLOWER
 No. 2C781F

#2C781 100 CFM 115 VOLT 60 CYCLE INTAKE 3" OUTLET 2-1/8" FL 4-1/8" SIZE 5-1/2" x 15/16" x 6-3/4" x 6-5/16" SHPG. WT. 5 LBS. PRICE: \$10.95

#2C782 15 CFM 115 VOLT 60 CYCLE INTAKE 2-7/8" OUTLET 1 1/2" FLG 2 1/2" SIZE 3-13/16" x 4" x 3-7/8" SHPG. WT. 2 1/2 LBS. PRICE: \$8.75

108 CFM 'PANCAKE' BLOWER

Compact—Motor is Inside Blower Wheel

#2C067F \$12.95
 Dayton "pancake" moves 108 CFM where installation space is limited. Only 4 1/2" wide because motor has been built inside blower wheel. Fits into 4-5/16" W x 8 1/2" H x 8 1/2" space. Discharge 3 1/2" W x 3 1/2" H. Outlet velocity 1530 ft./min. 4 1/2" dia. squirrel cage blower wheel and air intake. Steel, rubber mounted housing with baked on black enamel finish. 1500 RPM, 115V, 60 Cy. motor with 12" leads. Shpg. wt. 6 lbs.

140 CFM UTILITY BLOWER

For Exhausting, Forced Draft, Cooling, Etc.

Delivers blasts of air \$11.95
 Compact. 140 CFM single-inlet blower. Top performance for forced draft, ventilating, exhausting, cooling and drying applications. 5 1/2" x 4" mounting flange with 2 1/2" square discharge. Outlet velocity is 3250 ft. min. 3 1/2" dia. blower wheel direct-driven by 2000 RPM, 1 1/2" dia. motor. Precision with conduit box and 20" leads. 7 1/4" W x 7 1/4" H (less flange x 6 3/4" D. Order sample and test best 140 CFM utility blower. Wt. 9 lbs.

350 CFM DAYTON BLOWER

4 1/2" Wheel, 1/10 HP, 115 V, 60 Cy. Motor

#2C841F \$22.75
 Designed for applications that require more air than average shaded pole blower provides. Ideal for many circulating, heating, cooling, drying, circulating, etc. applications. 350 CFM at 60 Cy. 3500 ft. min. outlet velocity in free air. 4 1/2" x 3 1/2" motor wheel is direct driven by 1500 RPM, 115 V, 60 Cy. rubber mounted shaded pole motor. 1 1/2" flange, 2 1/2" dia. 12" No. 18 wire lead. 4 1/2" x 3 1/2" mounting flange. 5 1/2" x 4" x 6 3/4" D. Order sample and test best 350 CFM utility blower. Wt. 12 lbs.

MINE

DETECTOR

SCR-425 Famous ARMY

MINE-DETECTOR

USED CHECKED LESS BATTERIES

\$34.50

\$39.50 WITH BATTERIES

BATTERIES ONLY \$5.95

USED TO DETECT HIDDEN METAL OBJECTS IN THE GROUND OR OTHERWISE HIDDEN UP TO 24 INCHES DEEP DEPENDING ON THE SIZE, AND GROUND CONDITIONS. DETECTION IS NOTED BY A TONE SIGNAL THAT IS FED INTO THE HEAD SET OR SPEAKER UNIT THAT ARE SUPPLIED WITH THE SET SHIPPED IN CARRING CASE WITH INSTRUCTIONS, 75 LBS

CRY BUTTONS REFLECTORS CAN BE USED TO MAKE SIGNS OR MARKERS. SHINE WHEN LIGHT STRIKES 2" DIA. REQUIRES #10 NUT FOR MTG. NC#15-1. CARO OF 100 \$2.00

CONNECTORS

PL-58 AND JK-37 THREE PRONG PLUG AND JACK. PLUG IS KEYO TO PREVENT INSERTING PLUG BACKWARDS. 2x3x1 1/2" EACH \$.59 PAIR 1.00

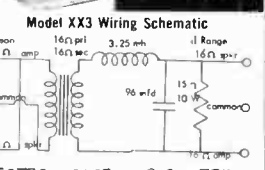
CONNECTOR PLUGS 15 CONTACT SIZE: 2 1/2 x 1 1/2 x 1 1/2 PER PAIR \$1.50 P-601 18 CONTACTS 2 1/2 x 2 x 1 PER PAIR \$2.00 P-2802

35 CONTACT CONNECTOR MALE #621905 FEMALE #407375 SIZE 2 1/2 x 1 NO COVER \$1.50 PR.

26 CONTACT MALE & FEMALE CONT #26-20H 1 1/2 x 9/16; USED W/COV. \$1.50

15 CONTACT, POLARIZED 3 LARGE CONT. SIZE 1 1/2 x 2 AMPH #26-150 F/CHASS. #151 W/COV USED \$1.50

AUDIO FILTER



ELECTRO-VOICE XX3 FILTER IS AN AUDIO FREQUENCY FILTER THROUGH WHICH TWO AUDIO AMP ARE CONNECTED TO TWO SPEAKER SYSTEMS. THIS FILTER DIRECTS ALL BASS FREQUENCIES BELOW 300 CPS TO ONE SIDE OF THE SYSTEM WHILE THE HIGHER FREQUENCIES ARE PASSED WITH OUT CHANGE TO BOTH THE SYSTEMS. IN A STEREO SYSTEM THIS ELIMINATES THE NEED FOR TWO FULL RANGE SYSTEMS. CAN BE ADAPTED FOR OTHER USES. WT. 8 LBS. 5 1/2 x 4 1/2 x 5 1/2 EVXX3F NEW. \$2.95

60 MC IF BROAD BAND USES 10 TUBES 5/717A, 3/6AK5 1/6SL7 & 1/6SN7; HAS MIXER PANEL, RELAYS, CABLES ETC. SIZE: 4x4x5; WT: 4 1/2 LB. USED STK# D-152229 PRICE: WITH 5/717A \$2.95 WITH 10 TUBES 6.50

PPI RADAR SYNCHRONIZER OFFSET CHASSIS ASSY WITH TUBES 2/6AT6 1/6100, 1/6096, 1/6101, CERAMIC SOCKETS, 5 TEST PIN JAC PRECISION RES., CONO. TRANS, SIZE 7 1/2 x 5 1/2 x 3; 4 LBS. \$1.50 STK. No. 1013 \$1.50

MX-303A MAGAZINE FOR WIRE RECORDERS ANQ-1A, VRW-1 ETC. W/WIRE ON SPOOLS, MAGNETIZING HEAD, TIMERS, SWITCHES ETC. SIZE: 8 1/2 x 4 1/2 x 3; 5 LBS. RE-NEW \$1.95

COILS

EXPERIMENTERS ASSORTMENT ALL FOUR ITEMS FOR \$1.00

DUAL VARIABLE CAPACITOR & COIL ASSY, APPROX. 155 MC. DUAL VAR. CAP. COIL, ACORN SOCKET ETC. APPROX. 200 MC SLUG TUNED VARIABLE COIL ASSY FOR BROADCAST BAND RF & OSCILLATOR F/455KC IF 1ST RF TUNING STAGE FOR PART OF BROADCAST BANDS, 3 VAR. CAP. COILS, CONO. RESISTORS, WAFERS ETC.

BC-610 OSCILLATOR PLUG IN UNITS FOR 500 WATT TRANSMITTER WILL MAKE A GOOD FOUNDATION FOR A 25-40 WATT TRANSMITTER CONTAINS VAR. CAPACITORS, COILS, KNOBS, CRYSTAL SOCK. SWITCH ETC. (ALL UNITS ARE USED AND HAVE CRACKED INSULATION ON THE PLUG IN PIN

BC-610 OSCILLATOR PLUG IN UNITS FOR 500 WATT TRANSMITTER WILL MAKE A GOOD FOUNDATION FOR A 25-40 WATT TRANSMITTER CONTAINS VAR. CAPACITORS, COILS, KNOBS, CRYSTAL SOCK. SWITCH ETC. (ALL UNITS ARE USED AND HAVE CRACKED INSULATION ON THE PLUG IN PIN

COILS PLUG IN AIR TYPE 5 BANANA PINS. 3 1/2 x 4 1/2; 1 LB. \$1.95

FOR BC-610 C-# FREQ. MC. 448 11.0-14. 455 1.0-1.5
FOR BC-610 C-# FREQ. MC. 447 8.0-11. 451 1.0-1.5
FOR T-4-FC C-14 7.1-9. 451 1.0-1.5
FOR " " C-2 5.1-7.1

DELCO DUAL BLOWERS 100 CFM 115 VOLT 60 CYCLE .86 AMPS 2 1/2" INTAKE, 2" DISCHARGE SIDE OR FRONT MTG. SIZE 10 1/2 x 6 7/8; WT: 15 LB. #62373 PRICE: \$7.95 EA. 2 FOR \$15

BUD COILS TRANSMITTING COIL MOUNTED ON 5 PIN CERAMIC BASE. 3C802 160 M 3C803 80 M 3C804 40 M 3C805 20 METERS PRICE: EACH COIL \$1.00

MEISSNER COIL KIT FOR SIGNAL SHIFTERS PLUG-IN TYPE 3 COIL OSC. PLATE, OSC. GRID & BUFFER, 5 & 6 PRONG BASE. 3C2500-51 2040-2410 3C2500-52 2395-2835 3C2501-17 7000-7300 3C368 -14 1000-1170 PRICE: KIT (3) COILS \$1.

COMMAND SET COILS 10790 85 kc IF \$1.50 7277 2830 " IF 1.50 R.F. SEC. 3-6 \$1.50 OSCILLATOR COILS 5855 1415 kc \$1.00 5856 2830 kc \$1.00

465 KC I.F. COILS AS USED IN MARK II No. 19 RADIO SET. SLUG TUNED IRON CORE, 1, 2, 3R0 1.F #PC77366-7 \$.75 EACH

30 MC IF SLUG TUNED IRON CORE 2 1/2 x 2 1/2 #279643.8 50¢ EA

BC 683 LCU 3 COIL

R.F. OSCILLATOR TUNING UNIT FOR BC-683 RECEIVER ALSO USED TO CONVERT BC-603 TO BC-683. #BC-683/LCU3 \$2.00

MASTER OSCILLATOR TUNING CAPACITOR FOR COMMANO TRANS. SINGLE ENDED SHAFT AND WORM GEAR DRIVE 32 PLATES STK# 2C6397A/C6 PT#C-63/5032 4x2x2 1/2 \$1.50

BC-221 FREQUENCY METER OSCILLATOR TUNING CAPACITOR 11.5-160 F. PYREX GLASS INSULATORS. DRIVEN THROUGH 360 BY WORM GEAR. WITH OIAL. 3x3x5 2 1/2 LBS. \$4.95

T-67/ARC-3 C129 POWER AMPLIFIER PLATE TUNING 4-17 MMF, 2500 V .0243 AIR GAP. SHAFT 13/16 x .31; 1/7/8x2 1/2 \$1.50

BC-624/522 RECEIVER, 3 GANG 6-36 MMF EACH SECTION WITH SLUG TUNED TRIM. SHAFTS 5/16 STK# 3D9036V SIZE 4 1/2 x 2 1/2 x 3 1/2; 1 LB. \$1.50

351-1013 3.5 TO 27 MMF, 13 PLATE SIZE 1-5/8x1-5/8x1-5/8, SHAFT 1 1/2 x 3/16. \$.75

CENTRIFUGAL BLOWER 120 CFM FROM 3400 R.P.M. 115V 60 CYC. CAPICATOR TYPE MOTOR WHICH REQUIRES 4MFO CAP. WT. 9 LBS. SIZE: 9 1/2 x 5 1/2 USED \$7.95

BUTTERFLY TYPE AS USED IN APR TYPE TUNERS. C-904 106-330 MC 1 1/2" DIA. 3" DEEP /ACORN SOCKET /955 TUBE. \$3.95

C-701 BUTTERFLY CAPACITOR 135-485 MC 4 1/2 x 2 1/2" \$3.95

C-706 BUTTERFLY CAPACITOR 300-1000 MC 2x2 1/2" \$2.95

1-3621 BUTTERFLY CAPACITOR 300-1000 MC 2x2 1/2" \$2.95

VARIABLE CAPACITOR 5 SECTION 20-402MMF EA. SEC. 7 1/2 x 3 1/2; 2 LB RE-EQUIP. #3DK9402-3 \$3.95

BC-924 TRANSMITTER COIL

SLUG TUNED COIL 27 TO 38 MC. WITH ADJUSTING OIAL & TUNING SCALE MOUNTED ON CAST BASE. SIZE 8 1/2 x 1 1/2; 1 LB. PRICE: 1.00

TCS VARIABLE CAPACITOR 2 SECTIONS 10-280 MMF 1 SECTION 10-280 MMF, 4" 3 BAND DIAL CALIBRATED 1.5-3 MC 3-6 MC & 6-12 MC. WITH GEAR ASSY & LOCK. SIZE 7 1/2 x 3 1/2; WT: 5 LBS. #B-581 PRICE: NEW \$3.95

VARIABLE CAPACITORS 100 WATT SIZE: 4 1/2 x 2 x 3 SHAFT 3/8x1/4

WT: 2 LBS. 31 PLATES 1/8 SPA T-7660443-P1 19 TO 116 MMF P-7761569-P4 23 TO 111 " M-7463006-1 22 TO 118 " PRICE: EACH \$1.95

T-7660443-P7 15 TO 81 MMF 7 PLATES, 1/8 SPACING, SIZE 3x2x2, SHAFT 3/8; 8oz. \$1.00

MANY OTHER VARIABLE CAPACITORS IN STOCK. ALL SIZES. TELL US OF YOUR NEEDS. **NOTE**

COMMAND RECEIVER VARIABLE 6 TO 9.1 MC. 3 GANG W/TRIM METERS & GEAR ASSY. APPROX. 62 MMF #6558, 4x3x3, WT: 2 LB. 3D9062 \$1.95

50 MMF VARIABLE 7 PLATE 1/2 x 1/2 SHAFT, MTG. BRK. #351-1037 \$.79

PA TUNING CAPACITOR FOR COMMANO TRANS-MITTERS WITH GEAR TRAIN & DOUBLE END SHFT SIZE 4 1/2 x 3 1/2. STK# 2C6397A/C8 PT#C-65/7321 PRICE: \$1.50

VARIABLE CAPACITOR 7 SECTIONS 1/80, 4/100 & 2/200, ORUM OIAL. 1 1/2 x 1 1/2 x 3; 5 LBS. #CA-325/BC-223 \$2.95

BC-624 R.F. TUNER ASSY. AM WITH VARIABLE CONDENSERS, COILS, SOCKETS OSCILLATOR SECTION COUPLINGS ETC. FREQ. 100 TO 156 MC. SIZE: 5 1/2 x 5 1/2; WT: 8 LBS. #22K1150 USED \$3.95

MINIMUM ORDER \$3.00



GENERATOR (ANGLE TRANSMISSION) ROTOR 2 PHASE 24 VOLT, STATOR 2 PHASE 20.6 VOLT 400 CYCLE. PART #GC-15-DS-10; SIZE 1 1/2 x 2 1/2 (CLIFTON) \$2.95
GENERATOR INDUCTION, 24 VOLT 400 CYCLE EASTERN AIR DEVICES #J2GM07-40 \$2.95
TRANSMISSION GENERATOR MFG. ARMA, TYPE 03TG-400X1, DWG. #93054 \$2.95
AUTOSYN RESOLVERS
AY221S-3-B 400 CYCLE, ROTOR 2 PHASE 26 VOLT, STATOR 2 PHASE .11.8 V. BENDIX 1.95
AY-123D BENDIX SAME SPECS AS ABOVE SERVO CONTROL MOTOR MFG. BY OSTER, 115 V. 400 CYCLE NO LOAD SPEED 5000 RPM. TORQUE 1.45 OZ. IN. \$2.95
RESOLVER MFG. BY CLIFTON PART #BSC-15DS ROTOR 2 PHASE 0.5-16 VOLT, STATOR 0.5-16 VOLT 400 CYCLE. \$2.95
RESOLVER TRANSMISSION GENERATOR, JOHN OSTER TYPE 15-4042-06, DWG. #C45 \$2.95
RESOLVER MFG. BY ARMA, TYPE 03X1-400 DWG. #93001. \$2.95
RESOLVER MFG. BY OSTER TYPE 15-4042-04 \$2.95
AUTOSYN DIFFERENTIAL
AY-165-A3 400 CYC, 3 PHASE 11.8-3 PHASE 1-1 RATIO. BENDIX 1.95
AY-232S-3B BENDIX SAME SPEC. AS ABOVE 1.95
AY-231S-3B " " " " " " 1.95

2JIHI SELSYN DIFFERENTIAL GENERATOR
 NORMALLY OPERATES FROM 57.5/57.5 VOLTS 400 CYCLE BUT WILL OPERATE FROM 36 VOLT 60 CYCLE AS SHOWN IN WIRING DIAGRAM ON PAGE 31. SIZE: 2 1/2 x 4 1/2; WT: 8 OZ.
 PRICE WITH CONNECTOR CAPS..... \$3.95

1-196 SIGNAL GENERATOR 160 TO 220 MC USED TO CHECK LF & HF BANDS OF IFF SETS. DRY BATTERY OPERATION USES ONE 957 ACORN TUBE VARIABLE FREQ. & TONE CONTROL, PILOT LIGHT, ON/OFF SW. ETC. HOUSED IN WOOD CASE WITH CANVAS COVER. SIZE: 8 1/2 x 8 1/2 x 14; WT: 10 LBS. REQUIRES 1.5 & 135 VDC. NEW \$2.95

HEADOUT BOARD, USES 30 110 VOLT NEON BULBS WITH 3/16" DISPLAY EACH ONE NUMBERED, SLIDE TYPE CONNECTORS & 30 RESISTORS MOUNTED ON BOARD 5 X 11 INCHES. WT: 1 LB. PRICE: \$1.95 EA. 3 FOR \$5.00

BC-929 INDICATOR OSCILLOSCOPE
 USED TO DETERMINE RANGE OF NAVIGATIONAL BEACON EQUIPMENT APN-2. HAS VERTICAL, HORIZONTAL, FOCUS, SWEEP AND INTENSITY CONTROLS. ANTENNA SWEEP MOTORIZED COAXIAL SWITCHING FOR SIGNAL DETERMINATION. WITH TUBES 1/3BP1, 2 6H6, 2/6SN7, 1/6G6, 1/6X5 AND 2X2. POWER REQUIRED 115 VOLT 400 CYCLE & VDC. SIZE: 10x8x22; WT: 40 LBS.
 PRICE: USED \$12.95 SCHEMATIC \$1.00

AZIMUTH INDICATOR

10-260/GRD AZIMUTH INDICATOR
 CONTAINS THE PHASEMETER WHICH PROVIDES THE BEARING INDICATION, AS WELL AS A NEON LAMP, 2" C.R. TUBE & SPEAKER. THE NEON LAMP & CR TUBE SHOW WHETHER OR NOT A DF SIGNAL IS PRESENT IN THE SYSTEM. HAS 2BPI OSCILLOSCOPE SYSTEM WITH CONTROLS ON THE FRONT PANEL, 5" AZIMUTH PHASEMETER SELSYN TYPE INDICATOR & 3" SPEAKER. WITH TUBE 1/6AL5, 2/12AU7, 2/6AQ5, 1/12AX7, 2/6AU6, 1/20Z1, 2/5Y3 & 1/OA2. OPERATES FROM 115 V. 50/60 CYC RACK MTG. 19x10 1/2 x 12; WT: 50 LBS. USED \$29.50

RADAR FREQUENCY AMP.

R-9 RADAR FREQUENCY AMP. USED TO INCREASE OUTPUT OF TEST EQUIPMENT IN 2750-2950 MC RANGE. POWER APPROX. 6 WATTS FROM 2C40 TUBE. CONTROLS FOR POWER AND FREQUENCY. COMPLETE WITH TUBES 2C40; 6AN5; 5687; 12AT7; 2X2; 2/OA2; OB2; 2/5Y3; 6CQ6; SIZE: 10 1/2 x 17 1/2 x 20. WT. 43 LBS. PRICE: \$19.95



TS-452 SIGNAL GENERATOR 5-100mc
 BY THE USE OF PLUG IN COILS, PROVIDES A CONSTANT SINE-WAVE RADIO FREQ. VOLTAGE 60-100 TIMES PER SECOND. THE TRAVELING DETECTOR PICKS UP THE SIGNAL TO BE TESTED WHICH IS AMPLIFIED AND APPLIED TO THE PLATES OF THE CR TUBE. THE MOST FREQUENTLY USED CONTROLS FOR THE SIGNAL GENERATOR INCLUDING THE OSCILLATOR, WAVEMETER, VERTICLE AMPLIFIER AND NINE STEP ATTENUATOR ARE ON THE FRONT PANEL, ADDITIONAL CONTROLS ARE PROVIDED THROUGH THE DOOR ON THE TOP OF THE CASE. SIZE: 19x9 1/2 x 16; WT: 60 LBS.

PRICE: USED SERVICEABLE \$75.00

P OR R ELEVATION COMPUTER ASSY;
 CONSISTS OF TWO SYNCHRO RESOLVER, KETAY #D-13810-1 0-100V 350 CPS, #D-13350-1 0-10 V. 400 CPS, KOLL-SMAN INDUCTION MOTOR #1515J-0430, VE MAGNETIC AMP. GA-52140, FOUR TUBES IN SEALED CIRCUITRY, A&B CONTROLS, TEST JACKS ETC. STK. # 15264
 SIZE: 11x7x6; WT: 12 LBS. PRICE: USED \$6.95

SELSYN SYNCHRO TRANSFORMER #78386
 TYPE XV, 115 VOLT 60 CYCLE, SIZE 5 1/2 x 3 1/2, SHAFT 1 1/2 x 1/2; 5 LBS. UNUSED \$5.95

SYNCHRONOUS TRANSMITTER TYPE VIII
 50 VOLT 50 CYCLE 1 PHASE, SIZE 5 1/2 x 3 1/2, SHAFT 1 1/2 x 1/2 WITH ADAPTER. 6LBS. PART #5578411 PRICE: NEW \$8.95

RECEIVER TORQUE SYNCHRO 23TR4
 115/90 VAC 400 CYCLE, TWO UNITS MOUNTED ON FRAME WITH NUMBERED DIALS 0-100 & 0-1000, SYNCHRO SIZE 4x2x2 PRICE USED \$15.00

23TR4 RECEIVER 115/90 V. 400 CYC. USED \$7.95
23TX4 TRANSMIT 115 V. 400 " " 7.95
23CT4 COM. TRANS. 115 V. 400 " " 7.95
23RS4A RESOLVER 90/90 V. 400 " " 7.95

23CX6 TRANSMIT 115/90 V. 60 CYC. NEW 10.00
23CX6 " " " " USED 7.00
23CT6 TRANSFOR 90/1V PER DEG 60CY " 7.00
23TR6 RECEIVER 115 V. 60 CYC. " 15.00

DAYSTROM TRANSICOIL CONTROL MOTOR 115 VOLT 60 CYCLE, 1 PHASE, 2 PHASE 200 VOLT CT., 3200 RPM. SIZE 2 1/2 x 2, SHAFT SIZE 1/16 x 1/2 WITH GEAR (REMOVED FROM NEW EQUIP.) PRICE: \$5.00

SYNCHROSCOPE

OS-29/UPM-4A
 PRECISION SYNCHROSCOPE EMPLOYING A THREE INCH CATHODE RAY TUBE. THE SWEEP OF THE CATHODE RAY TUBE CAN BE TRIGGERED EXTERNALLY OR INTERNALLY AND CAN BE DELAYED EITHER TRIGGER. THE SWEEP DURATION AND, WHEN INTERNALLY TRIGGERED, THE SWEEP FREQUENCY CAN BE CONTROLLED. THE INPUT SENSITIVITY OF THE VIDEO AMPLIFIER CAN BE VARIED IN SIX STEPS FROM 0.2 TO 20 VOLTS PER INCH OF VERTICAL DEFLECTION. THE UNIT CONTAINS HIGH VOLTAGE POWER SUPPLY, BUT REQUIRES THE FOLLOWING VOLTAGES FOR OPERATION 300V, -27V, 425V, 105V. NORMALLY SUPPLIED BY POWER SUPPLY PP-802/UPM-4A, NOT AVAILABLE. SIZE: 22x19x10. WT. 50 LBS.
OS-29/UPM-4A ONLY. RENEW. \$39.50

BC-966 RECEIVER-TRANSMITTER
 160 TO 211 MC. CODED SIGNAL FOR IFF FRIEND OR FOE IDENTIFICATION IN AIRCRAFT. WITH 13 TUBES 3/6H6, 3/7193, 7/6SH7, RELAYS, VOLTAGE REGULATOR, RESISTORS, CONDENSERS ETC. LESS DYNAMOTOR. SIZE: 12x13x9; WT: 43 LBS. USED \$4.95

AUDIO AMPLIFIER 3 CHANNEL
 USED WITH WIRE RECORDER BC-1323. HAS 7 OUNCER TRANSFORMERS, 10/9001, MOUNTED ON CHASSIS 10x5x5 W/CONDENSER RESISTORS ETC. WT: 8 LBS. #1323A/A RE-MOVED \$4.95

SYNCHRO SELSYNS

SYNCHRO GENERATOR SPERRY PT#R5663642
 MFG. BY BENDIX FOR IBM. SIMILAR TO BENDIX OPERATES FROM 26 VOLTS 400 CYCLE SINGLE PHASE WHEN USED IN CONJUNCTION WITH BENDIX #AY-201 SYNCHRO CONTROL TRANSFORMERS IT WILL OPERATE UP TO 20 UNITS. WILL ALSO OPERATE FROM 6 VOLT 60 CY. WITH A SLIGHT LOSS. SIZE: 2 1/2 x 2 1/2; SHAFT 1/16 x 1/2; WT: 12 OZ. PRICE: NEW \$2.95 2 FOR \$5.00

AY-201 SYNCHRO CONTROL TRANSFORMER
 MFG. BY BENDIX, KETAY, CLIFTON ETC ROTOR 1 PHASE 26 V 400 CYC. STATOR 3 PHASE 11.8 V. SIZE: 1 1/2 x 1 1/2, SHAFT 1/16; WT: 3 OZ. PRICE: RE-MOVED FROM EQUIP. \$1.95 EA.

KEARFOOT R-200 SYNCHRO CONTROL TRANSFORMER. ROTOR 26 VOLT 1 PHASE 400 CYCLE, STATOR 11.8 VOLT 3 PHASE. SIZE: 1x1-3/4, SHAFT 1/16 x 1/2; WT: 3 OZ. CONDITION REMOVED FROM EQUIPMENT. PRICE: \$2.95 EACH

KEARFOOT SYNCHRO RESOLVER R-235, ROTOR 2 PHASE 26 VOLTS, STATOR 2 PHASE 11.8 VOLTS 400 CYCLE. SIZE: 1x1-3/4; SHAFT 1/16 x 1/2; 3oz. REMOVED FROM EQUIPMENT. PRICE: \$2.95

SELSYN CONTROL TRANSFORMER #2J1G1, 57.5-57.5 V 400 CYCLE (WILL OPERATE FROM 36 V 60 CY) SEE WIRING DIAGRAM NEXT PAGE) SIZE: 2 1/2 x 4 1/2; WT: 1 LBS. USED PRICE WITH CAPS \$3.95

INDICATOR

ML-17 INDICATOR, WIND DIRECTION AND SPEED UNLIMITED WIND SPEED RANGE INDICATED BY ONE LIGHT, 0-360 DEG. WIND DIRECTION RANGE INDICATED BY 8 LIGHTS, FLASHING LIGHTS OR BUZZER INDICATORS, INTERRUPTER CURRENT ACTUATED, 110 V 60 CY OR 6.8 VDC. (THIS IS ONLY THE INDICATOR, REQUIRES OTHER PARTS FOR OPERATION) FREIZ ITEM #18-1475. SIZE: 9 1/2 x 4; WT: 24 LBS. PRICE: RE-NEW \$12.95

GENERAL ELECTRIC SELSYN CONTROL TRANSFORMER MODEL NO. 2J15N1
 57.5-57.5 VOLTS 400 CYCLE. SIZE: 2x2x2: 1 LB. NEW \$4.95

MD-5B/APS-3 MODULATOR FOR SUPPLYING POWER TO RT-10/APS-3 TRANSMITTER CONVERTER IN PULSED FORM TWO MICROSECOND 350 CYC. ONE MICRO-SEC. 700 CYC. WHICH IS RECEIVED FROM THE RECEIVER-AMPLIFIER OPERATES FROM 115 V. 400 CYCLE. W/TUBES 3/3B24, 1/3B26, 1/829B & 1/715. SIZE: 17 1/2 x 15 1/2 x 17 1/2; WT: 95 LB. USED \$5.50
R-18/APS-3 RECEIVER-AMPLIFIER USED \$39.50
PP-2/APS-3 RECTIFIER " 29.50
C-10/APS-3 AZIMUTH CALIBRATOR " 5.95
MX-10/APS-3 DUMMY INDICATOR " 3.95

MD-16/TPS-3 MODULATOR, RADAR TYPE P-3E EMISSION, RESONANT CHARGING SYSTEM THRU TYPE E LINE THAT IS DISCHARGED THROUGH SPARK GAP & PULSE TRANSFORMER, 500 OHM INPUT, 8 KV OUTPUT, 200 PULSES PER SEC., 1.2 SEC. DURATION. WITH TUBES 2/705 & 1/1B32-532. OPERATING VOLTAGE 115 V. 400 CYC. SIZE: 12 1/2 x 14 1/2 x 11; 125 LB. PRICE: RE-NEW \$16.95

1-82A 5" INDICATOR
1-81A 3" INDICATOR

1-82A INDICATOR 5" ILLUSTRATED TO LEFT ABOVE 0-360 DEGREE SCALE CONTAINS A MATCHING AUTOSYN MOTOR TO BE USED WITH THE LP-21LM LOOP. OPERATES FROM 26 V 400 CYC. (60 CYC SEE BELOW)
1-81A INDICATOR 3" ILLUSTRATED TO RIGHT ABOVE 0-36 DEGREE SCALE CONTAINS A MATCHING AUTOSYN THAT WAS USED WITH THE LP-21LM LOOP. OPERATES FROM 26V 400 CYC. (60 CYC. SEE BELOW)
1-82A INDICATOR 5" USED \$7.95
1-81A INDICATOR 3" USED \$3.95 RENEW \$4.95
PL-118 CONNECTOR PLUG FOR INDICATORS 2.50 EA

STAND-OFF



STK#TM-1016S0; DIA. 1/2", 4" LONG, 1/2-20 THREAD, 3 3/8" MTG. 2 LB. PRICE: \$3.50
 STK.#3G1300-8002; DIA. 1/2" 5" LONG, 1/2-20 THREAD, 3/8" DEEP. 1 LB. \$2.50

STK.#3G1300-128; 1/2" DIA, 8" LONG, 1/2-20 THREAD, 3/8" DP. 2 1/2" IN. MTG. 1 1/2 LB. \$3.50

STK.#INS.1014; FEED-THRU 4" LONG 1/2" HOLE, 7/8 DIA. WITH NECK. PRICE: 25¢

STK.#3G2001-6; FEED-THRU 6" IN. 1/2" HOLE, 9/16 DIA. NO NECK. PRICE: 35¢

STK.#INS.#1015; FEED-THRU BRASS BOLT 6 1/2" LONG X 1/2" W/NUTS, SPLIT INSULATOR FOR 3/4" THICK MOUNTING WITH CORK WASHERS, OVERALL LGTH 3 1/2 X 2, WT: 2 LB. \$2.50

STK.#3G584 IN-84 FEED-THRU CONICAL SHAPE, 5" LG. O/A; 2 CONICAL SHAPED 1-1/8 LG. X 1/2 DIA. AT BOTTOM, 1" AT TOP, 1/4" DIA. ROD WITH 1/4 20 THREAD WITH NUTS, WASHERS 1 LB. 25¢ EA. 5 FOR \$1.00

SIMILAR TO ABOVE CONICAL BOTTOM INS. 3/4 X 3/4 X 1 1/2, TOP X 1-1/8 X 1 1/2; 3/16 BOLT 3" LG W/NUTS & WASHERS. 1/4 LB. 35¢ EA. 3 FOR \$1.00
 STK#IN-1017



3G138-20.11 RIGGED CONICAL 2" BASE, 3" TOP, 1 1/2" LONG, PUSH SPRING TYPE BINDING POST ON TOP, WHICH CAN BE REMOVED AND BOLT INSERTED. 1/2 LB. 35¢ 3 FOR \$1.00

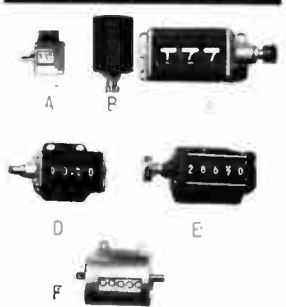
STK.#IN-1018 CONE INSULATOR SIZE 1x2x5/8, 10/32 SCREWS EA. END. 1/2 LB. 35¢ EA. 3 FOR \$1.00

STK.#CBJ61023 ENTERING INSULATOR, CERAMIC 2x2, CADMIUM PLATED MOUNTING RING 3 1/2" WITH 6 MOUNTING HOLES, GASKET, 4" 1/4-20 THREAD BRASS BOLT WITH NUTS. 1/2 LB 39¢ EACH 3 FOR \$1.00

STK.#IN-1019 STRAIN INSULATOR SIZE 4x2x2 1/2; 1/2" STRAIN HOLDS OPPOSITE POSITION. WT: 1 LB. 39¢ EACH 3 FOR \$1.00

ART-13 TRANSMITTER ANTENNA INSULATOR PANEL; 1 EA. 3 1/2 X 4 OBLONG WITH 2 ISOLATED SPRING TYPE BINDING POST, 6 1/2 X 1 CONICAL INS. WITH PUSH POST AND ONE 1/4 X 3/4 INS. W/ PUSH TYPE BINDING POST. 1 LB COMPLETE ASSY. \$1.00

COUNTERS



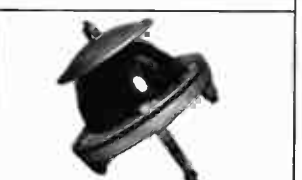
- A. 3 DIGIT COUNTER. 1/8" SHAFT. EACH NUMERAL 1/8 IN. SIZE: 2 1/2 X 1 1/2. STK#CBSH334 \$.75
- B. 3 DIGIT COUNTER. FOR VERTICAL MOUNTING. 3/8 IN. GEAR ON SHAFT. EACH NUMERAL 1/8". 1 1/2 X 1 X 1-1/8 STK#CBSH173 \$.79
- C. 3 DIGIT COUNTER WITH BEVELED GEAR 2 1/2 X 1 1/2 X 1 1/2. NUMERALS 1/2 X 1/2 IN. STK#CBSH177 \$1.00
- D. 3 DIGIT COUNTER W/DIGITS 10THS, ONES, TENS. 100 THS DIGIT REMAINS 0. 1/8 IN. NUMERALS. 2 1/2 X 1 1/2 STK#CBSH9030 \$.75
- E. 4 DIGIT COUNTER W/MOVEABLE DIGITS. 10's, 100's 1000's, 10,000's. ONES DIGIT REMAINS 0. 1/8" IN SHAFT. 2 1/2 X 1 1/2 X 1 1/8 STK#CBSH2867 \$1.25
- F. 5 DIGIT COUNTER W/3/16 IN SHAFT EXTENDING 1/4 AT EACH END. 99999-0 DESCENDING ONLY. 1/8" NUMERALS. 1 1/2 X 1 1/2 X 1 1/2 STK#CBSH00000 \$1.00

THREE DIGIT COUNTER, GEAR ON END OF 1/4 IN. SHAFT. 3 1/2 X 1 1/2 X 1 1/2; 1 LB.#R1X-D \$1.00

THREE DIGIT COUNTER OPEN TYPE, BEVEL GEAR. STK.#773 \$.50

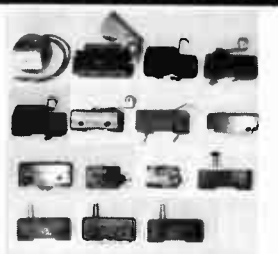
TELEPHONE JACK STRIPS

- #4C4426-14 TWENTY JACKS 3 CONDUCTOR CONTACT ARRANGEMENT J-2. KELLOG #261 \$2.80
- #4C4322-25 TEN JACKS 3 CONDUCTOR, CONTACT ARRANGEMENT J-2-1A; \$1.95
- #4C4426.11 TWENTY JACKS 3 CONDUCTOR, CONTACT ARRANGEMENT J-2, NUMBERED 0-19 \$2.50
- #4C4436.92-2 TWENTY JACKS 3 CONDUCTOR, CONTACT ARRANGEMENT J2, NUMBERED 20-39. KELLOG #369 \$2.50
- #4C4692.2 TEN JACKS 3 CONDUCTOR CONTACT ARRANGEMENT J2 WECC#92 TYPE139 \$1.95



3G1830-67076 ENTERING INSULATOR, BOWL 4-3/8" HIGH, 6-15/16 AT BASE, 1 1/2" ROD 3/8 BRASS WITH NUTS, MOUNTING RING 3 SEC. 8-3/4" DIA. W/ 6 1/2" HALF INCH NUTS & BOLTS 2 1/2" LG., BELL CAP 6" DIA. 10 LBS. \$5 EA. 3 FOR \$12.00

MICRO SWITCHES



SPDT; IEA2, ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. PIN PLUNGER. 1 1/2" DIA. 1 3/8" HIGH. .30
 DPST; 40B10094, NORMALLY OPEN. LARGE, SPRING-LOADED LEVER PLUNGER. 2 1/2 X 2 1/2 X 1 1/2. .60
 SPST; WHBT349A-1, NORMALLY OPEN. LEVER PLUNGER. 2" X 1" X 5/8". .30
 SPDT; WHBA31-1, ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. ROLLER PLUNGER. 2" X 1" X 5/8". .70
 SPDT; WHBA115-1, ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. ROLLER PLUNGER. 2" X 1" X 5/8". .70
 DPDT; MS25008, ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. EXTENDED BUTTON PLUNGER. 2 1/2 X 2 1/2 X 1" \$1.50

SPDT; YZ-3RLTC2, ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. STRAIGHT LEVER PLUNGER. 2" X 7/8" X 1 1/16". .25

SPST; WZ-RTC2, NORMALLY CLOSED. PIN PLUNGER. 2" X 1/2" X 1/2". .35
 SPDT; BZ-3R-A2, ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. PIN PLUNGER. 2" X 1" X 1/2". .30

SPDT; 2MD3-1A, ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. PIN PLUNGER. 1 5/8" X 1/2" X 1/2". .45

SPST; 2MC3-1A, NORMALLY CLOSED. PIN PLUNGER. 1 5/8" X 1/2" X 1/2". .45

SPST; SW-186, NORMALLY CLOSED. EXTENDED PIN PLUNGER. 2" X 1/2" X 5/8". .25

SPST; G-RS, NORMALLY OPEN. EXTENDED PIN PLUNGER. 2" X 1/2" X 5/8". .40

SPST; MO7-102T, NORMALLY OPEN. EXTENDED PIN PLUNGER. 2" X 1/2" X 5/8". .40

SPST; WZ-RS9, NORMALLY CLOSED. EXTENDED PIN PLUNGER. 2" X 1/2" X 5/8". .40

KNIFE SWITCHES

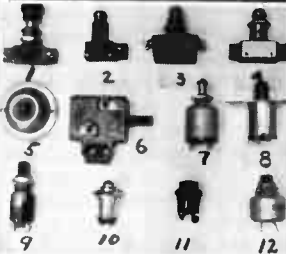
SWITCH SW-223; DPDT HEAVY DUTY 1" sq. X2 1/2" STAND OFFS. 8x4x3; 5 LB #3ZK8223 \$2.50

SWITCH SW-224; SIMILAR TO THE ABOVE SWITCH, BUT SPST. 8x4x2; 2 LBS. 228224 \$1.50

DPST PORCELAIN KNIFE SWITCH BY RODALE 123. 2 1/2" X 1 1/2" X 1 1/2". KNSW04 .35

SPST KNIFE SWITCH. BASE 1 1/2" LONG. 3/4" HIGH. BAKELITE. KNSW01 .25
 SPDT KNIFE SWITCH. BASE 1 1/2" LONG. 3/4" HIGH. BAKELITE. KNSW02 .35
 DPST KNIFE SWITCH. BASE 1 1/2" LONG. 3/4" HIGH. BAKELITE. KNSW03 .35

PUSH SWITCHES



CNCSIDE SPST NORMALLY OPEN, THE OTHER SPST CLOSED. 1A/125. PSW001 .35

SPST NORMALLY OPEN; 3A/250. PSW002 .35

DPST NORMALLY OPEN; 3A/250. PSW003 .35

DPST NORMALLY OPEN; 1A/250. PSW004 .35

SPST GOLD-FINISHED DOORBELL NORMALLY OPEN; 1 5/8" DIA. HARDWARE INCLUDED. PSW005 .35

DPST INTERLOCK, NORMALLY OPEN. (329825/254) PSW006 .35

SPST PULL SWITCH, NORMALLY OPEN. PSW007 .35

SPST NORMALLY CLOSED; CASING AS GROUND; 1/4" SCREWS REQUIRED FOR MOUNT. PSW008 .35

SPST NORMALLY OPEN; .75/125 PSW009 .35

SPST NORMALLY OPEN. PSW010 .35

SPST NORMALLY OPEN. PUSH-IN MOUNT REQUIRES 5/8" HOLE. PSW011 .25

SPST NORMALLY OPEN. 3NC5-5P PSW012 .25



DPDT PUSH-LEVER SWITCH. PSW013 .50

DPST PUSH-LEVER SWITCH. NORMALLY OPEN. PSW014 .50

DPST NORMALLY OPEN. PSW015 .50

SIX-PUSH SWITCH; DPST NORMALLY OPEN. 4 1/2" X 5 1/2". PSW016 \$1.00

SIX-PUSH SWITCH; FIVE ARE SPST NORMALLY OPEN, THE OTHER DPST AND DPDT ON THE OPPOSITE SIDE. 4 1/2" X 5 1/2". PSW017 \$1.00

SPST PUSH-LEVER SWITCH. 3 5/8" X 1 1/2" X 1 1/2". PSW022 .35

SPST NORMALLY CLOSED MICROPHONE SWITCH. COVER AS GROUND, WITH MOUNT. PSW019 .75

SPST NORMALLY OPEN START-STOP DOUBLE SWITCH. #401. PSW020 \$1.00

4PST NORMALLY OPEN SA-26/U MICROPHONE SWITCH. 1 1/2" DIA. PSW021 \$1.00

MONITOR PANEL ASSY. 5 LEVER SWITCHES EACH SWITCH 2 BREAK, 4 MAKE 1 SIDE, 1 BREAK, 1 MAKE OTHER SIDE, EA. SIDE NE-4 LIGHT ASSY. WIRED TO A 5X5 BLOCK W/35 RESISTORS & THEN TO 2/20 POSITION TERMINAL STRIP. SIZE 2 1/2 X 5 1/4; WT: 5 LBS #6625-649-5053 \$4.95

SWITCHES



AIRCRAFT TYPE SWITCH TWO HOLE MOUNTING FIG. #1

CIR	CON	RATING	NO	PR
SPST	NEW	5A/125	B-5A	.25
SPDT	NEW	15/125	B-9-A	.35

(ABOVE SW. CENTER-OFF)
 SPDT NEW 15/125 3022-7 .35

(ABOVE SW. CENT-OFF MOM. B.S)
 SPDT NEW 15/125 B-1B .30

DPST REM 30/125 C-1 .40
 DPDT NEW 20/125 3023-10 .55
 DPDT NEW 30/125 C-3 .75

(ABOVE SW. MOM. BOTH SIDES, CENTER-OFF)
 DPDT NEW 5A/125 SW5125 .65

(ABOVE SW. CENTER-OFF; HOLE MOUNTING 3/8" DIA.)
 3PST NEW 15/125 SW3115 1.25

(ABOVE SW. MOUNTED ON "ON-OFF" PLATE 2" X 2 7/8"; FOUR 1/8" SCREWS REQUIRED)
 DPDT REM 15/125 ST52P .50

(ABOVE SW. CENTER-OFF; IRON CASE MOUNT FOR LINEAR OPERATION 2 1/2" X 1 1/2" X 1 1/2")
 DPDT NEW 15/125 BARKELEW \$2.50

(ABOVE SW. MEASURES 5" X 6 1/2" X 1 1/2"; FOUR SCREW MOUNTS FOR 1/8" SCREWS)

TOGGLE SWITCHES

TOGGLE SWITCHES SINGLE HOLE MOUNTINGS: CONDITION NEW & "REM" RE-MOVED FROM EQUIPMENT, ALL GUARANTEED.

CIR	CON	RATING	NO	PR
SPST	REM	6A/125	SW-105	.20
SPDT	REM	15/125	ST42G	.40

(CENTER-OFF, MOM. BOTH SIDES)
 DPST NEW 10/250 8829K4 .50

(ABOVE SW. MOMENTARY)
 DPST NEW 3A/125 CH7590 .35

DPST REM 15/125 ST50-K .45
 DPST REM 5A/125 8822K1 .35

DPST REM 10/250 CH3545 .40
 DPDT REM 3A/125 SW3125 .20
 DPDT REM 6A/125 SW6125 .30

DPDT REM 5A/125 ST22R .35
 DPDT REM 15/125 ST52P .40

(CENTER OFF)
 DPDT REM 15/125 ST52N .35

3PST NEW 15/125 SW3115 1.00
 3PST REM 10/250 ZA0494 1.00
 4PST REM 10/125 7661K5 1.00

LEVER SWITCHES



1273 #K-22 #K-1100 RM57416

TELEPHONE TYPE LEVER SWITCH

ONE SIDE: MAKE 11; BREAK 1 OTHER SIDE: MAKE 6 #5930-392-1273 \$.40

MAKE 2, BREAK 2, ONE SIDE ONLY. #K-22 30¢

1 SIDE, 2 MAKE SPST; OTHER SIDE DPDT. SW-155/EE-2. 35¢

6PST. #329580-6.11 75¢

TCK#405 SPST EACH SIDE 30¢
 TCK#404 GE#P7763503-2 50¢
 1 SIDE DPDT NC & DPST NO.

PUSH-TO-TEST



PUSH-TO-TEST INDICATORS. DOUBLE LAMP HOLDERS WITH MINIATURE BAYONET BASE. 2 3/8" x 1 1/2" x 3/4". KORRY ST-260 SCREW TERMINALS OR TYPE 260 WITH SOLDER TERMINALS. AVAILABLE WITH THE FOLLOWING INSCRIPTIONS:
 POWER - AIR CONDITIONING-IGNITER - POWER SUPPLIES-ERECTOR - 100% LIQ OXY
 PRICE: \$2.00EA

PUSH-TO-TEST INDICATOR WITH MINIATURE BAYONET SINGLE LAMP HOLDER. 2 3/8" x 1 1/2" x 3/4". KORRY ST-136 SCREW TERMINALS OR TYPE 136 WITH SOLDER TERMINALS. AVAILABLE WITH THE FOLLOWING INSCRIPTIONS:

LOW - OVERLOAD - MALF. - POWER ON
 PRICE: \$1.25EA

PUSH-TO-TEST INDICATOR WITH MINIATURE SCREW BASE. PED 7/16" DIA. SMOOTH JEWEL. 0" TO 1/4" SURFACE CLEARANCE. REQUIRES 3/8" HOLE TO MOUNT. 1 5/8" LONG. USED. VM-500-2 \$.59EA

PUSH-TO-TEST INDICATOR WITH MINIATURE SCREW BASE. 3/8" DIA. CARAMEL-COLOR COVER. 0" TO 1/4" SURFACE CLEARANCE. REQUIRES 11/16" HOLE TO MOUNT. 1 15/16" LONG. NEW. 6210-617-0946 \$.59EA

PUSH-TO-TEST INDICATOR WITH MINIATURE BAYONET DOUBLE LAMP HOLDER. 2 5/8" x 1 1/2" x 5/8" WITHOUT LAMP COVER. COVERS NOT AVAILABLE. NEW. KORRY TYPE 261 WITH SOLDER TERMINALS

PRICE: \$1.00EA
 INDICATOR LIGHT WITH MINIATURE BAYONET DOUBLE LAMP HOLDER. 2 3/8" x 1 1/2" x 3/4". INSCRIPTIONS WITH "CHECK FULL RPM" OR A BLANK. NEW. KORRY TYPE 204 SOLDER TERMINALS. PRICE: \$.75

MINIATURE LAMPS

STK#	TYPE	V.	A.	BASE	BULB	EA.	PKG. 10
225950	LM-50	2	.25 min sc	G-5	G-6	.20	.75
225950	511	2	.25 min sc	G-6	G-6	.20	.75
	46	6-8	.25 min sc	T-3 1/2	T-3 1/2	.15	.65
6240-155	48	2	.05 min sc	T-3 1/2	T-3 1/2	.20	.75
	-7955						
	PC-90615C	12 volt	min sc	G-3 1/2	G-3 1/2	.15	.75
	LM-17	2.5 volt	min sc	G-3 1/2	G-3 1/2	.20	.75
225878	43	2.5	.5 min bay	T-3 1/2	T-3 1/2	.20	.75
6240-155	-7919 313R	28	.17 min bay	T-3 1/2	T-3 1/2	.25	1.25
6240-155	-7866 356	28	.17 min bay	T-3 1/2	T-3 1/2	.20	.75
6240-153	-6509 1826	18	.15 min bay	T-3 1/2	T-3 1/2	.25	1.00
225888-5	NE-51	115	.04 min bay	T-3 1/2	T-3 1/2	.20	1.25
225927	LM-27	6-8	.25 min bay	T-3 1/2	T-3 1/2	.20	.75
225889-11	NE-26	115v.	cand bay	G-6	G-6	.35	3.00
626812-5	LM-44	6-8v.	dc bay	G-6	G-6	.20	.75
225889-3	NE-48	115	.25 dc bay	T-4 1/2	T-4 1/2	.50	4.00
6240-408	-3394 386/5	115v.	dc bay	T-4 1/2	T-4 1/2	.25	1.75
225879-3	686	30	.2 cand sc	S-6	S-6	.20	1.25
	502	5	.15 #4F cell min sc			.20	.75
6240-155	-8675 PR-6	2.4-7	.3 single contact			.20	.75
	PR-10	6	.5 #5D cell min bay			.20	.75
225938	NE-15		min bay			.25	2.00
	NE-20		min bay			.25	2.00
6240-155	-7837 24E 24	.032-.038amp.	slide base			.50	3.50
	NE-2	1/17 amp	2F slide base			.10	.75
	4C5491-K1		K1 slide base			.10	.75



BULLS EYE PILOT LIGHTS

DULL FINISHED BRASS, BAYONET BASE, AND 0" TO 3/4" SURFACE CLEARANCE. ALL USED. LESS BULBS. PRICE: \$.39EA
 A. 226125-22 RED-RIBBED 1" JEWEL. CANDELABRA, DOUBLE CONTACT BASE. 2 3/8" x 1 1/2"
 B. PIL001. 7/16" CLEAR JEWEL. SINGLE CONTACT MINIATURE BASE. 2 1/8" x 7/8"
 C. LH50BR4. 11/16" DIA. RED JEWEL. SINGLE CONTACT MINIATURE BASE. 2 1/8" x 7/8"
 D. LH62BY2. 3/4" DIA. AMBER JEWEL. SINGLE CONTACT MINIATURE BASE. 2 3/8" x 1"



PILOT LIGHT JEWELS

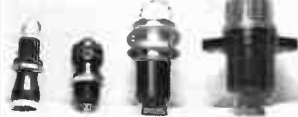
RED, FACETED, 3/8" DIA. JEWEL. SCREWS INTO 11/16" DIA. HOLE OF DESIRED ASSEMBLY. TYPE 81 \$.15 EA.

SMOOTH RED JEWEL 3/8" IN DIAMETER. SCREWS INTO A 3/8" ASSEMBLY. SERIES F \$.15 EA

LARGE 5/8" FACETED AMBER JEWEL. SLIPS OVER BRACKET 7/8" IN DIAMETER. HAS ALSO MOUNTING HOLES FOR 3/32" SCREWS. 225368/1 \$.15 EA

3/8" DIA. WHITE SLIP-IN LAMP CAPS FOR SWITCHBOARDS. (NOT PICTURED) SLIPS INTO 3/8" HOLE. 4C1971 \$.15 EA 100/\$10

SUB-MINIATURE PILOT ASSEMBLY. 5/16" AMBER FACETED JEWEL FIT INTO BRACKET WITH AN OPENING OF 5/16". REQUIRES DOUBLE TERMINAL PLUG-IN OR SOLDER-IN NEON LAMPS. 1" LONG AND 1" HIGH. PIL010 \$.15 EA 8/\$1.00



SUB-MINIATURE NEON PILOT LIGHT ASSEMBLY. FLUTED 5/16" DIA. CLEAR JEWEL. BASE IS FEMALE PART FOR A THREE PRONG PLUG WITH 1/16" DIA. HOLES IN ISOSCELES TRIANGLE PATTERN. MOUNTS IN 3/8" HOLE. 0" TO 3/8" SURFACE CLEARANCE. 1 3/8" LONG. INCLUDES BULB. USED. 110V. PIL007 \$.25 5/\$1.00

SINGLE TERMINAL AND CONTACT SUB-MINIATURE DIMMER PILOT LIGHT. MECHANICAL DIMMER VARIES SIZE TO COMPLETE DARKNESS. REQUIRES T-1 1/2 BULB. 5/16" DIA. SMOOTH RED JEWEL. MOUNTS IN 7/16" HOLE. 1 3/8" LONG. LESS BULB. NEW. 6210-643-4087 \$.59

PILOT LIGHT WITH SINGLE CONTACT, MINIATURE BAYONET BASE. CLEAR STOVEPIPE, SMOOTH 5/8" DIA. JEWEL. MOUNTS IN 11/16" HOLE. SURFACE CLEARANCE IS 0" TO 3/8" 2 1/8" LONG. LESS BULB. USED. PIL008 \$.39

ALL PLASTIC PILOT LIGHT. SINGLE CONTACT, MINIATURE SCREW TYPE BASE. RED FLUTED, COVER-LIKE JEWEL 3/4" IN DIAMETER. NEEDS 3/4" HOLE. SURFACE CLEARANCE OF 0" TO 3/4". THERE IS NO ADJUSTING INSTALLATION DEPTH BY A NUT TWO 3/32" SCREWS ARE NEEDED TO ANCHOR LIGHT. 1 1/2" LONG. LESS BULB. USED. PIL009 \$.39



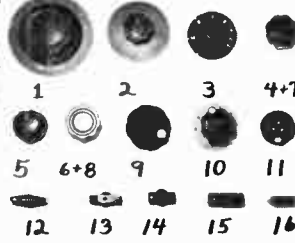
PILOT LIGHT WITH A SINGLE CONTACT, CANDELABRA SCREW BASE. LARGE 1" DIA. RED JEWEL FACETED ONLY AT THE EDGE. REQUIRES 1" HOLE AND HAS SURFACE CLEARANCE OF 0" TO 3/4". 2 3/8" LONG. LESS BULB. UNUSED. PIL002 \$.59

PILOT LIGHT WITH SINGLE CONTACT, CANDELABRA SCREW TYPE BASE. 1" DIA. RED-FACETED JEWEL. MOUNTS IN 1" HOLE WITH SURFACE CLEARANCE OF 0" TO 1/4". 2 1/2" LONG LESS BULB, UNUSED. PIL003 \$.59

PILOT LIGHT WITH SINGLE CONTACT, MINIATURE BAYONET BASE. 3/4" DIA. SMOOTH. GREEN JEWEL. MOUNTS IN 5/8" HOLE WITH A SURFACE CLEARANCE OF 0" TO 1/4". 2 1/16" LONG. LESS BULB, UNUSED. PIL004 \$.49

PILOT LIGHT WITH SINGLE CONTACT, MINIATURE BAYONET BASE. 1" DIA. RED, WHITE, OR VIOLET JEWEL. 15/16" HOLE REQUIRED; SURFACE CLEARANCE 0" TO 5/8". 2 1/2" LONG. LESS BULB, USED. PIL012 \$.35 3/\$1.00

PILOT LIGHT WITH SINGLE CONTACT, MINIATURE BAYONET BASE. 1" DIA. SMOOTH, GREEN JEWEL. MOUNTS IN 15/16" HOLE WITH A SURFACE CLEARANCE OF 0" TO 3/4". 2 3/8" LONG. LESS BULB, UNUSED. PIL013 \$.49



FLUTED KNOBS

3" FLUTED KNOB WITH SKIRT AND 4" CALIBRATED DIAL (REMOVABLE) 0.5-7.0, 150 DEGREE BRASS INSERT FOR 3/4" SHAFT. KBNB001 EA \$.55, 2FOR \$1.00

1 1/2" DIA. FLUTED KNOB WITH REMOVABLE 3" DIAL WITH MARKING 34L-C-34R. BRASS INSERT FOR 3/16" DIA. SHAFT. KBNB002 \$.25

1" DIA. FLUTED KNOB WITH 2 1/2" NON-LINEAR CALIBRATED DIAL. BRASS INSERT WITH 1/4" DIA. HOLE. KBNB003 \$.25

1 1/2" DIA. FLUTED KNOB WITH POINTER, BRASS INSERT FOR 3/4" SHAFT. KBNB004 EA \$.25, 5/\$1.00

1 1/2" DIA. FLUTED KNOB WITH SKIRT AND POINTER. BRASS INSERT FOR 3/4" SHAFT. KBNB005 \$.25

1 1/2" FLUTED KNOB WITH BRASS INSERT FOR 3/4" SHAFT. KBNB006 \$.25

1" DIA. FLUTED KNOB WITH POINTER, BRASS INSERT FOR 3/4" SHAFT. KBNB007 \$.25

1" DIA. FLUTED KNOB WITH BRASS INSERT FOR 1/2" SHAFT. KBNB008 \$.25

ALL THE ABOVE KNOBS ARE OF SET SCREW TYPE.

SPIN KNOBS

2" DIA. METAL FLUTED SPIN KNOB FOR 5/32" SHAFT KBNB009 \$.79

1 1/2" DIA. FLUTED SPIN KNOB WITH CALIBRATED 2 1/2" DIAL, 0-100 IN 360. METAL INSERT FOR 3/8" SHAFT. KBNB010 \$.59

METAL SPIN KNOB 1 5/8" DIA. TO BE ATTACHED TO ANOTHER KNOB OR DISK BY THREE SCREWS. CONVERTS KNOB TO SPIN KNOB. KBNB011 \$.20

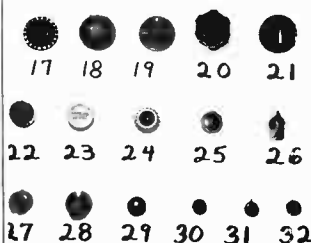
MINIATURE KNOBS

PLASTIC PUSH ON TYPE KNOB 1/4" DIA. x 1/4" HIGH. FITS 1/4" SHAFT, WITH MODIFICATION. KBNB029 4/\$.25

METAL KNOB 5/8" DIA. x 1/2" HIGH FITS 1/8" SHAFT. TWO SET SCREWS. KBNB030 4/\$.15

BAKELITE KNOB WITH POINTER 5/8" DIA. x 3/8" THICK. FOR 1/4" SHAFT. SET SCREW. KBNB031 2/\$.25

5/8" DIA. BAKELITE KNOB 3/8" THICK FOR 1/4" SHAFT. SET SCREW TYPE. KBNB032 2/\$.25



BAR TYPE KNOBS

BAR TYPE BAKELITE KNOB FOR 3/4" SHAFT. 1 1/2" x 1/2" x 5/8". SET SCREW TYPE. KBNB012 \$.25

BAR TYPE BAKELITE KNOB FOR 3/4" SHAFT WHICH MUST BE TAPED FOR SET SCREW. 1 1/2" x 1/2" x 5/8". KBNB013 \$.25

RECTANGULAR BAR TYPE BAKELITE KNOB 1 1/2" x 1/2" x 5/8". WITH BRASS INSERT FOR 3/4" SHAFT. SET SCREW TYPE. KBNB014 \$.25

BAR TYPE BAKELITE KNOB WITH POINTER. FOR 3/4" SHAFT TAPED FOR SET SCREW. 2" x 1/2" x 1/2". KBNB015 2/\$.25

BAR TYPE BAKELITE KNOB WITH POINTER. FOR 1/8" SHAFT TAPED FOR SET SCREW. 1 1/2" x 5/8" x 1/2". KBNB016 \$.25

BAKELITE BAR TYPE KNOB 1" x 1/2" x 1/2" ON 1/2" REMOVABLE DIAL FOR 3/4" SHAFT. SET SCREW. KBNB017 \$.25

1 1/2" DIA. METAL KNOB FOR 3/4" SHAFT WITH TWO SET SCREWS. FINGER GRIP FOR HEAVY SWITCHING APPLICATIONS. KBNB018 2/\$.35

1 1/2" DIA. PLASTIC KNOB WITH BRASS INSERT. BAR TYPE FINGER GRIP FOR SWITCHING. USE WITH 3/4" SHAFT. KBNB019 \$.25

1 1/2" BAKELITE KNOB FOR USE WITH 3/4" SHAFT. USED FOR APPLICATIONS WHERE EXTRA GRIP IS REQUIRED. 1 1/2" HIGH. KBNB020 \$.25EA. 5/\$1.00

1 1/2" BAKELITE KNOB W/BRASS INSERT FOR 5/16" SHAFT. RIBBED EDGES FOR BETTER GRIP. KBNB021 \$.15

BAKELITE INSTRUMENT KNOB 1" DIA. 1" HIGH. BRASS INSERT FOR 1/4" SHAFT AND SET SCREW. KBNB022 \$.25

1 1/2" KNOB MARKED "INCREASED OUTPUT". 1/4" HOLE WITH SET SCREW. 3/8" THICK. METAL. KBNB023 \$.25

1 1/2" PUSH-ON KNOB FOR 1/4" SHAFT, WITH MODIFICATION, BROWN KBNB024 2/\$.25

BROWN BAKELITE 1" DIA. KNOB KNURED SHAFT OF 1/4". 1/2" HIGH. KBNB025 2/\$.25

BAKELITE POINTER KNOB WITH BRASS INSERT FOR 3/4" SHAFT. 1 1/2" x 1" x 3/4". KBNB026 \$.25

FLUTED KNOB W/POINTER AND SKIRT FITS 1/4" SHAFT. 1 1/8" DIA. 3/8" THICK. KBNB027 \$.25

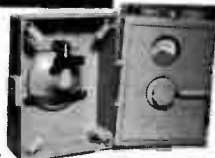
1 1/2" DIA. KNOTCHED KNOB WITH BRASS INSERT FITS 3/4" SHAFT. SET SCREW TYPE. 3/4" HIGH. KBNB028 3/\$.25



SYSTEM ANALYZER PEAK PRESSURE GAUGE: DENISON MODEL 100 DESIGNED FOR A TRANSDUCER WITH A UNIFORM FREQ RESPONSE TO 20 KC. EXCITATION IS SUPPLIED FROM DC SUPPLY CONTAINED IN THE UNIT. THE 2 RANGE METER READS DIRECTLY IN LBS. PER. SQ. INCH. PROVISION FOR CONNECTING RECORDER ARE PROVIDED. THE UNIT INCORPORATES A D.C. AMPLIFIER WITH BALANCED INPUT & CATHODE FOLLOWER OUTPUT ALONG WITH A VACUUM TUBE VOLT METER CIRCUIT. WITH TUBES 1/12AX7, 2/6AU8A, 1/12AT7, 1/5Y3, 2/6AW8A & 2/6BQ7A. POWER REQUIRED 115 V. 60 CYC. USED WITH TRANS. HDD WHICH IS NOT AVAILABLE AND NOT SUPPLIED. SIZE: 9 1/2 x 6 1/2 x 10; WT: 21 LBS. PRICE: NEW \$39.95

POWER METER

TS-125/UP POWER METER PORTABLE GENERAL PURPOSE, BATTERY OPERATED INSTRUMENT USED TO MEASURE RADIO FREQUENCY POWER IN THE 2400 TO 3335 MEGACYCLE RANGE, CONTINUOUS WAVE OR PULSE. TWO SCALES ONE IN MILLIWATTS, OTHER IN DECIBELS ABOVE AND BELOW ONE MILLIWATT. POWER RANGE 0-2 1/4 MILLIWATTS w/ ATTENUATORS ABOVE WITH PICK-UP ANT. BATT. REQ. 4.5VDC. SIZE: 10x8x5 1/2; WT: 14 LBS. USED \$25.00



OSCILLATOR

TS 508/UP TEST OSCILLATOR; PORTABLE UNIT THAT OPERATES FROM 3 V DC, 3000 TO 11,000 MEGACYCLES PER SEC. A BUZZER PRODUCES DAMPED OSCILLATIONS IN A TUNEABLE CONCENTRIC LINE RESONATOR WHICH A HIGH Q RESONANT CIRCUIT. THE RESONATOR SELECTS THE RF COMPONENTS OF THE BUZZER OUTPUT. AM MODULATION 1M-2M PULSES PER. SEC. 0-100 DB. 50 OHMS OUTPUT IMP. SIZE: 6 1/2 x 6 1/2 x 6; WT: 15 LBS. USED \$25.00



ANALYZER

ANALYZER SELSYN ZEROING MODEL "B" USED WITH GENERAL ELECTRIC 2J SERIES UNITS. FOUR INCH METER WITH AC SCALES OF 0/3/30/300/600 VOLT 400 CYCLE, DC SCALE 0/50/500 VOLTS D.C. RESISTANCE SCALE 0/1000 10,000/1 MEG. OHMS. ELEVEN POSITION METERING SWITCH AND 4 TERMINALS FOR TEST LEADS. PORTABLE CASE. SIZE: 8x13x5; WT: 10 LBS. PRICE: WITH TEST LEADS & CAPS FOR SELSYNS \$15.00 LESS THESE ITEMS \$10.00



TUBE TESTERS

VACUUM TUBE BRIDGE TAFFET #T-310-6559 SIMILAR TO GR#561-D. MAKES POSSIBLE THE MEASUREMENT OF THE LOW FREQ. DYNAMIC COEFFICIENTS OF VACUUM TUBES & TRANSISTORS OVER A WIDE RANGE OF VALUES UNDER A VARIETY OF OPERATING CONDITIONS. ALSO CAN BE USED IN THE LAB. FOR STUDYING THE BEHAVIOR OF TUBES AND TRANSISTORS IN UNCONVENTIONAL CIRCUITS. WITH ADAPTER (10) SOCKET AND PATCH CORDS FOR VARIOUS TESTS EXTERNAL VOLTAGES ARE REQ. FOR THE DEVICE UNDER TEST. SIZE: 19x16x10; WT: 45 LBS. PRICE: USED \$40.00



WESTON MODEL 788 TUBE CHECKER MEASURES PROPORTIONAL MUTUAL CONDUCTANCE IN TERMS OF PERCENT BELOW OR ABOVE THE NORMAL LISTED VALUE AS LISTED BY THE MFG. UNIT HAS THE FOLLOWING CONTROLS, SHORT TEST, FILAMENT VOLT. SEL. AND ADJUSTER, ELEMENT POTENTIAL, D.C. SHORT TEST & BUCK, BIAS & GRID, ELEMENT V. CONT. SW. & SENS. SW. METERS FOR HEATER VOLTAGE, ELEMENT VOLTAGE AND PROPORTIONAL TUBE VALUE. ROLL CHART. THIS UNIT WAS MFG. IN THE EARLY 40'S AND WILL NOT TEST LATE TUBES BUT WILL TEST A LOT OF GOVERNMENT TYPE TUBES IN USE AT THE TIME. SIZE: 13x24x7; WT: 25 LBS. PRICE: USED \$20.00



HEAVY DUTY STEPPING SWITCH; 30 HEAVY CONTACTS SILVER PLATED 7/16 DIA. WITH 110 VOLT 60 CYCLE INDUCTION MOTOR, ONE REVOLUTION IN 24 SECONDS, ONE MICRO-SWITCH MAKES AND BREAKS 30 TIMES AS EACH CONTACT IS MADE PLUS 6 TIMES ANOTHER MICRO-SWITCH BREAKS AT END OF REVOLUTION. (NEW) SIZE: 14x11x8; WT: 15 LB. #6635-610-5807 \$25.00

PORTABLE A.C. VOLTMETER THERMO-COUPLE TYPE, TRIPLET MODEL 645 MIRROR SCALE 0-150 VOLT. LEATHER CARRYING HANDLE AND HINGE DOOR FOR METER GLASS PROTECTION. 4 1/2" SCALE, OVERALL SIZE 5 1/2 x 6 x 2 1/2; WT: 4 LBS. #5845-041-0718 \$25.00



VOLTMETER



THERMO-COUPLE VOLTMETER SENSITIVE RESEARCH INSTRUMENT MODEL A DI'ARSONVAL DESIGN, ACCURACY .5 OF 1% (IN PERCENTAGE OF FULL SCALE) TEMPERATURE COMPENSATED. FREQUENCY RANGE 7 TO 5000 CYCLE IMPEDANCE 500 OHMS PER VOLT ALL FREQUENCIES, FULL SCALE CURRENT 2 MILLIAMPS. METER SCALE 0-7.5/30/75/150, LARGE 6" MIRROR SCALE METER IN WOOD CASE. SIZE: 7 1/2 x 7 1/2 x 5; WT: 10 LBS. PRICE: USED \$75.00

GENERAL RADIO VTVM



GENERAL RADIO VACUUM TUBE VOLT METER MODEL 726A. WIDE RANGE A.C. VTVM HIGH IMPEDANCE AND STABILITY FOR USE IN AUDIO AND R.F. WORK, 20 CPS. TO 50 MC. 2% ACCURACY OVER THE ENTIRE RANGE. A.C. VOLTAGE RANGE .1 TO 150 IN FIVE BANDS WITH SPECIAL TEST PROBE. VOLTAGE REQUIRED 110-130 60CY SLANTED FRONT FOR EASY VIEWING. SIZE: 9 1/2 x 14 x 8; WT: 45 LBS. PRICE: USED CHECKED \$45.00

TS-352 MULTIMETER; PORTABLE GENERAL PURPOSE UNIT WITH A 4" 50 MICR AMP METER. FREQUENCY RANGE 25 TO 5000 CYCLES PS. USEFULL TO 20M. ACV RANGE: 0-2.5/10/50/250/500/1000 DCV " " SAME AS ABOVE ALSO 5000 V USING INTERNAL MULTIPLIER DOG RANGE: 0-25/2.5/10/50/100/500 2500/10000 MILLIAMPS. RESISTANCE RANGE: 0-1000/10M/100M/1000M/10000M OHMS. SENSITIVITY 1000 OHMS PER VOLT FOR AC RANGES 1000 OR 20,000 " " " DC " " " SIZE: 15x11x10; WT: 23 LBS. PRICE: USED \$39.95

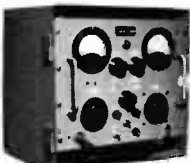


RELAY TEST SET



181 RELAY TEST SET, WESTERN ELECTRIC #D-162269, PORTABLE CURRENT FLOW TYPE RELAY ADJUSTING SET WHOSE PRIMARY FUNCTION IS TO MEASURE AND CONTROL CURRENT FLOW THROUGH THE WINDINGS OF A RELAY OR SIMILAR ELECTROMAGNETIC UNIT. CAN ALSO BE USED A DC MILLIAMMETER WITH RANGE OF 15, 75 & 150 MA ON 3 1/2" METER. CONTROLS FOR VARYING THE CURR. & TERMINALS FOR WIRING THE RELAY UNDER TEST. REQUIRES 22 1/2 & 45 VOLTS. SIZE: 6 1/2 x 9 1/2 x 5 1/2; WT: 10 LBS. \$8.95

SUMMATION BRIDGE



AN/URM-23 SUMMATION BRIDGE PORTABLE GENERAL PURPOSE WATTMETER USED TO MEASURE R.F. OUTPUT IN THE 1000 TO 4000 MC RANGE. EMPLOYS A DIRECT READING CIRCUIT IN WHICH A BOLOMETER ACTS AS ONE ARM OF A DC WHEATSTONE BRIDGE AT THE SAME TIME PROVIDING THE CORRECT RESISTIVITY TERMINATION FOR THE RF POWER ENTERING THE WATTMETER. POWER INPUT RANGE 5 MW TO 5 WATTS. INPUT IMPEDANCE 50 OHMS. POWER SUPPLY 115 VOLTS 50-1600 CYCLE. COMPLETE WITH BOLOMETER, 5 ATTENUATORS, CABLE CARRYING CASE ETC. SUMMATION BRIDGE TS-730 AND POWER MEASURING ATTENUATOR KIT MX-1309. TOTAL WEIGHT 60 LBS. PRICE: USED \$65.00

MEASUREMENTS

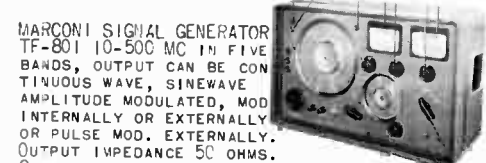
MEASUREMENTS SIGNAL GENERATOR



MODEL 80C 5 TO 425 MC SIX BANDS .5% ACCURATE, CONTINUOUSLY VARIABLE FROM .1 TO 100,000 MICROVOLTS; 50 OHM OUTPUT IMPEDANCE, SINE-WAVE MODULATION CONTINUOUSLY VARIABLE MODULATION CONTINUOUSLY VARIABLE 0-30% AND IS DIRECTLY INDICATED ON THE PERCENT MODULATION METER, CHOICE OF 400 OR 1000 CYCLES FROM AN INTERNAL RC TYPE OSCILLATOR; ALSO JACK FOR EXTERNAL MODULATION. POWER REQUIRED 117 VOLT 50/60 CYCLE. SIZE: 10 1/2 x 19 x 19 1/2; WT: 53 LBS. USED, SERVICEABLE. PRICES: MODEL 80C \$195.00 UNITS CHECKED FOR OPERATION \$25.00 EXTRA



GENERAL RADIO SIGNAL GENERATOR MODEL 1021 250-920 MC IN ONE BAND, DIRECT READING CALIBRATION 1%, OUTPUT VOLTAGE CONT. ADJ. .5 TO 1 VOL OPEN CIRCUIT. OUTPUT IMP. 50 OHMS 10%, AMPLITUDE MOD. ADJ. 0 -50%, ENV. DIST. LESS THAN 5% AT 50% MOD. CARRIER NOISE LEVEL .2% MOD. STRAY FIELD LEAKAGE AND RESIDUAL OUTPUT VOLTAGE CANNOT BE DETECTED WITH A REC. HAVE 2-3 MV SENSITIVITY. POWER REQUIRED 115/230 VOLT 50/60 CYCLE. SIZE: 20 1/2 x 14 1/2 x 10 1/2; WT: 40 LBS. COND. USED. PRICE: \$195.00 CHECKED FRO OPERATION \$25.00 EXT



MARCONI SIGNAL GENERATOR TF-801 10-500 MC IN FIVE BANDS, OUTPUT CAN BE CONTINUOUS WAVE, SINEWAVE AMPLITUDE MODULATED, MOD INTERNALLY OR EXTERNALLY OR PULSE MOD. EXTERNALLY. OUTPUT IMPEDANCE 50 OHMS. CALIBRATED OUTPUT CONT. VAR. 0.1 TO 0.5 VOLT AT MOST FREQ. 90% MOD. CAN BE ACHIEVED. INTERNAL MODULATION 1000 C/S OSC. THE MAIN TUNING DIAL IS HAND CALIBRATED DIRECTLY IN FREQUENCY POWER REQ. 115/230 V 40/100 CYC. WITH TUBES 2/5861, 1/6L6, 1/6AK5, 1/6C4, 1/12AT7, 1/6AS7, 1/5R4CY & 1/0B2, CRYSTALS 2/BTH TYPE CS2A AND ONE RTH TYPE CG1E. SIZE: APPROX. 16x11x11; WT: 45LBS. USED PRICE: \$195.00 CHECKED FRO OPERATION \$25.00 EXT.

LM FREQUENCY METER

LM NAVY TYPE FREQUENCY METER 125 - 20,000 Kc CRYSTAL CALIBRATED INDICATING EQUIPMENT, HETERODYNE TYPE, ACCURACY .01 TO .02 DEPENDING ON FREQ. WITH MODULATION 500 CYCLE. VOLTAGE REQUIRED 12/24 FOR FIL. AND 180 @ 5 MA/475 VDC @ 20 MA. WITH 1000 KC CRYSTAL & TUBES. ALSO CALIBRATION BOOK. UNITS HAVE BEEN USED AND MAY NEED REPLACEMENT OF SOME SWITCHES OR MINOR PART OTHERWISE GUARANTEED SERVICEABLE. SIZE: 7 1/2 x 7 1/2 x 8; WT: 15 LBS. PRICE: (AS DESCRIBED ABOVE) \$24.95 WITH ALL PARTS 29.50 " " " & CHECKED 39.50



ANALYZER



MOBILE PORTABLE TEST SET; SIMILAR TO MOTOROLA MODEL P-8501-B, MFG. BY ROGERS MAJESTIC LTD. UNIVERSAL TEST UNIT FOR CHECKING TRANSMITTERS AND RECEIVERS. UNIT HAS A 0-50 MICRAMP. METER (2000 OHM) WHICH WITH THE ASSOCIATED ADAPTER PLUGS, PROVIDES METERING FOR ALL CIRCUITS ESSENTIAL TO TUNING AND CHECKING. THE CRYSTAL OSC. & MULTIPLIER PROVIDES A SIGNAL SOURCE FOR ALIGNMENT OF EQUIP. ON 25-54, 72-76 AND 144-174 MC. CAN ALSO BE USED FOR RELATIVE AUDIO AND R.F. OUTPUT MEASUREMENTS. BATTERIES REQUIRED 1 1/2 & 67 1/2 VOLT DC. WITH 2/3S4 TUBES AND CABLES. SIZE: 11x11x6 1/2; WT: 15 LBS. PRICE: USED \$40

AUTOMOTIVE

STARTER - REGULATOR

VOLTMETER-AMMETER FOR TESTING BATTERY STARTER AND REGULATOR MODEL# 307 A

VOLTMETER HAS 3 SCALES 0-9, 0-18 AND 0-45 VOLTS D.C.

SPECIAL SELECTOR SWITCH FOR MAKING RESISTANCE TESTS USING THE 9/10 SC. AMMETER SCALE MINUS 10-100 AMPERE THROUGH A BUILT-IN SHUNT CONNECTED IN THE TEST LEADS.

LOAD SWITCH IS USED TO CONNECT THE LOAD IN OR OUT OF THE CIRCUIT. LOAD CONTROL CONSISTS OF VARIABLE PILE PLATES WHICH BY COMPRESSION PUTS A LOAD ON THE OUTPUT OF THE GENERATOR-STARTER CIRCUIT.

A FIELD RHEOSTAT IS USED TO CONTROL THE GENERATOR FIELD CIRCUIT FOR CERTAIN TYPE UNITS. TWO LARGE 4 1/2" METERS WITH 2% ACCURACY, 500 MICROAMP. MOVEMENTS, CHROME AND SATIN FINISH.

WITH TEST LEADS AND INSTRUCTIONS. SIZE: 13x5x5; WT: 13 LBS. PRICE: \$29.50



AMPS. - VOLTS-REGULATOR



AMPS VOLTS-REGULATOR TESTER WITH POINTS RES STANCE CHECK MODEL#322
LARGE 4 1/2" METER 500 MICROAMP MOVEMENT BLACK AND SILVER SATIN FINISH. VOLT SCALE 0-18 VDC WITH SPECIAL BUTTON FOR READING 0-1.8 V. D.C. AMPERE SCAL 0-60. TEST SELECTOR SWITCH FOR EACH READING. SEPARATE CABLES FOR VOLTS, AMPS. & RESISTANCE READINGS. METER SCALE IS MARKED FOR PTS, CRK, COIL AND REG TESTS.

FACE OF UNIT IS POLISHED CHROME AND BLACK SATIN FINISH. COMPLETE WITH INSTRUCTIONS FOR MAKING THE VARIOUS CHECKS. MFG. MAQUETTE. SIZE: 10x6x4; WT: 8 LBS. PRICE: \$14.95

IGNITION - TESTER

METER IGNITION TESTER MODEL# 327
LARGE 4 1/2" METER WITH 500 MICROAMP 0-30 SCALE ALSO MARKED LOW, AVERAGE FOR CHECKING IGNITION SYSTEMS. SELECTOR SWITCH FOR CURRENT AND VOLTAGE READINGS ALSO TEST LEADS. WITH OPERATING INSTRUCTIONS. CHROME MIRRORRED FACE WITH BLACK AND GREY SATIN FINISH. THIS EQUIPMENT IS KNOWN AS THE CHROME-LINE OF HEYER-MARQUETTE. SIZE: 11x6x4; WT: 8 LBS. PRICE: \$14.95



COIL - CONDENSER TESTER

COMBINATION COIL AND CONDENSER TESTER WITH OHMMETER MODEL#332.

DESIGNED TO MAKE COMPLETE ANALYSIS OF COILS AND CONDENSERS IN AUTOMOBILE ENGINES USING FACTORY STANDARDS AND TEST METHODS.

PRECISION VIBRATOR APPLIES THE NORMAL CURRENT TO THE COIL AT THE PROPER DWELL. ANY BREAKDOWN OF THE OF THE INSULATION IS SHOWN ON THE METER BY IRRREGULAR OR LOW READING AN ELECTRONIC CIRCUIT CHECKS CONDENSERS FOR ACTUAL CAPACITY, LEAKAGE SERIES RESISTANCE. THE LAST TWO

TESTS WILL INDICATE CONDENSERS THAT WILL NEED REPLACING. A 100,000 OHMMETER RANGE IS ALSO PROVIDED ON THE 4 1/2" CHROME AND SATIN FINISHED METER THAT HAS A LABORATORY ACCURACY OF WITHIN 2%. UNIT OPERATES FROM 6/12 VDC, WITH TUBES 1/0A2 1/12AU7 & 1/6X4 ALSO TEST LEADS, W/INSTRUCTIC CABINET SIZE 14x5x6; WT: 10 LBS. PRICE: \$19.95



BATTERY ANALYZER

HEYER 12 VOLT OVER-ALL BATTERY ANALYZER MODEL 12 BT
FOUR STEP BATTERY ANALYZER WITH LARGE 4 1/2" METER AND HEAVY CABLES WITH SURE-GRIP CLAMPS. BATTERY SIZE ADJUSTMENT SWITCH FOR SMALL 30-40 APH, MEDIUM 50-60 APH AND LARGE 70-80 APH BATT. BATTERY LOAD SWITCH, BATTERY CHARGE SWITCH & BATTERY CONDITION SWITCH FOR MAKING THE REQUIRED TESTS WHICH IS INTERPERTED ON THE APPROPRIATE SCALE OF THE METER. SIZE: 11x6x6; WT: 12 LBS. W/INSTR. PRICE: \$19.95



VACUUM CONTROL

PRECISION VACUUM CONTROL #348

DESIGNED TO CHECK AND ADJUST DISTRIBUTOR VACUUM ADVANCE ON THE CAR WHEN USED WITH ELECTRONIC IGNITION ANALYER. CAN ALSO BE USED TO DETERMINE ENGINE PERFORMANCE BY VACUUM READINGS AND GAUGE READINGS REFLECTING ON ENGINE OPERATING CONDITIONS. DISTRIBUTOR AND MANIFOLD VACUUM CONTROLS ARE PROVIDED WITH SELECTOR SWITCH.

THE 3" GAUGE READS IN INCHES OF MERCURY AND THE CONCENTRIC SCALE READS 0-10 ON THE FIRST REVELUTION AND FROM 10-24 INCHES OF VACUUM ON THE SECOND. ZERO ADJUSTING CONTROL PROVIDED. ALSO TEST LEADS AND INSTRUCTIONS. SIZE: 13x5x5; WT: 5 LBS. PRICE: \$14.95



BATTERY TESTER

ATLAS SAFETY-CHARGE BATTERY TESTER MODEL PSC-1-TRG. FOR 6 OR 12 VOLTS. LARGE 4" METER FOR EASY READING OF BATTERY CONDITION, SHOWS IF BATT. IS SERVICEABLE, NEEDS RE-CHARGING OR REPLACEMENT ALSO INDICATES CHARGING VOLTAGE, LOW, NORMAL OR HIGH. THIRTY SIX INCH CABLE AND TEST PROBE FOR CHECKING EACH CELL. RUGGEDIZED PLASTIC METER CASE AND UNBREAKABLE PLASTIC METER FACE. SIZE: 4 1/2x4x3; WT: 3LBS. W/INSTRUCTIO PRICE: \$6.95



BATTERY TESTER

HEYER MODEL WT-101
WAREHOUSE BATTERY TESTER FOR CHECKING CELLS UNDER LOAD. SIX OR 12 VOLT BATTERIES. INDICATOR LIGHTS FOR OCV TEST AND LOAD TEST FOR 6 VOLT, 12 VOLT LIGHT DRAIN, 12 VOLT HEAVY DRAIN. HEAVY SUR-GRIP CLAMPS AND INDIVIDUAL CELL PROD. LARGE 4 1/2" METER AND HANGERS FOR WALL MOUNTING. SIZE: 15x10x7; WT: 15 LBS. \$19.95

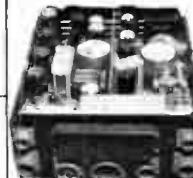


COMPRESSION

COMPRESSION TESTER ADAPTER GAUGE No. 1949 WITH LARGE 2 1/2" BRASS CASE, 0-300 LB PRESSURE, BRASS FITTINGS. 3 LBS. \$5.95



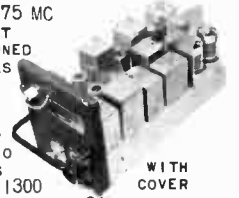
TRANSCEIVER



BC-645/ABA 1 TRANSCEIVER ARMY-NAVY-AIR FORCE TRANSPORER USED FOR FREIND OR FOE IDENTIFICATION IN THE 460-490 MC BAND. COMPLETE WITH TUBES 4/7F7, 4/7H7, 2/7E6, 2/6F6, 2/955 & 1/316. SIZE: 11x6 1/2x14; WT: 20 LBS.

BC-645/ABA-1 RECEIVER-TRANSMITTER N \$16.95
MOUNTING FOR " " 1.50
BC-646 CONTROL Box " " 1.95
MOUNTING FOR BC-646 CONTROL Box. " " 1.00
PE-101 DYNAMOTOR 12/13-24/26 vdc; 12.6/6.3 AMPS. OUTPUT 400 vdc @ 135 MA 800 vdc @ 20 MA. 9V 80CYC. 1.12A. SIZE: 14x7x5; WT: 13 LBS. NEW 7.95
UHF ANTENNAS 2 PER SET 1.95
PLUGS COMPLETE SET \$4.95 INDIVIDUAL 1.50
COMPLETE SET OF ALL ITEMS DESCRIBED ABOVE ALL BRAND NEW \$29.95
THOUSANDS OF THESE SETS HAVE BEEN SOLD FOR COMVERSION TO THE 460-470 & 470-500 MC BANDS.

R-122/ARN-12 RECEIVER; 75 MC FIXED FREQ. FOR AIRCRAFT MARKER BEACON USE. DESIGNED TO RECEIVE RADIO SIGNALS TO DELIVER AURAL AND VISUAL INDICATION TO THE PILOT SO THE POSITION OF THE AIRCRAFT CAN BE IN RESPECT TO A RADIO RANGE STATION. RECEIVES AM SIGNALS MOD. AT 400, 1300 & 3000 CPS. SIG. OPERATES FROM 24 VDC. WITH TUBES 5/AJ5, 2/6AL5 & 2/28D7. CRYSTAL CONTROL OSCILLATOR. 6.9 MC. IF. NO INDICATORS. SIZE: 10x5x6; WT: 10 LBS. PRICE: USED \$6.95

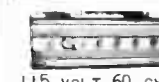


RDR NAVY RADIO RECEIVER 225 TO 390 MC. CRYSTAL CONTROL ON ANY 10 PRE-SET CHANNELS WHICH ARE MANUALLY SELECTED FROM THE SET OR CAN BE ELECTRICALLY SELECTED FROM A REMOTE POSITION BY USE OF THE MOTOR DRIVEN SELECTOR. WITH TUBES 1/9003, 1/6AK5, 1/6J6, 4/12SG7, 2/12H6, 2/6CA, 1/12SL7, 1/6AG7 & 1/12A6. POWER REQUIRED 12 VOLT D.C. SIZE: 21x16x9; WT: 45 LBS. RDR CRV-46283 NEW \$39.50 MANUAL ... \$5.00



SOLID STATE 12VDC SUPPLY

SOLID STATE 12 VDC SUPPLIES VOLTAGE REGULATED ASSEMBLIES THAT HAVE BEEN REMOVED FROM COMPUTER SYSTEMS. USES HIGH CAPACITY CONDENSERS, SILICON RECTIFIERS, TRANSFORMER, HEAT SINK, RESISTORS & PRINTED CIRCUIT CONTROL BOARD FOR REGULATION. PRICES WITHOUT PRINTED CIRCUIT CONTROL BOARD.
ASM-490 4 AMP SIZE 10x6x6 12 LB. \$ 9.95
" 390 8 " " 11x6x6 16 " 12.95
" 500 12 " " 13x6x6 25 " 16.95
" 510 16 " " 15x6x6 30 " 19.95
" 380 20 " " 18x6x6 35 " 29.95
PRINTED CIRCUIT CONTROL BOARDS \$7.50 (NOT ORIG.)



HORN

SPARTON HORN MODEL SA OEM 12 VOLTS D.C. HIGH PITCH SIZE: 5 1/2x6 1/2x2 1/2; WT: 3 LBS. PART No. S-34 SINGLE A25852 PRICE: \$1.75



TACHOMETER - VOLTMETER

DYNA-VISION ACCESSORY UNIT#337 COMBINATION TACH-VOLTMETER. TACH RANGES 0-1000 AND 0-5000 R.P.M. VOLT RANGE 0-18 VDC. USED FOR CHECKING R.P.M. AND LOW VOLTAGE CIRCUIT OF AUTO ENGINES, ALSO PROVISIONS FOR PLUGGING IN TIMING LIGHT. METER IS 4 1/2" CHROME AND SATIN FINISH WITH 500 MICROAMP. MOVEMENT.

OPERATES FROM 6/12 VDC WITH TUBES 1/0A-2 & 1/2021. SIZE: 13x5x5; WT: 8 LBS. PRICE: \$19.95



MATCHED METERS



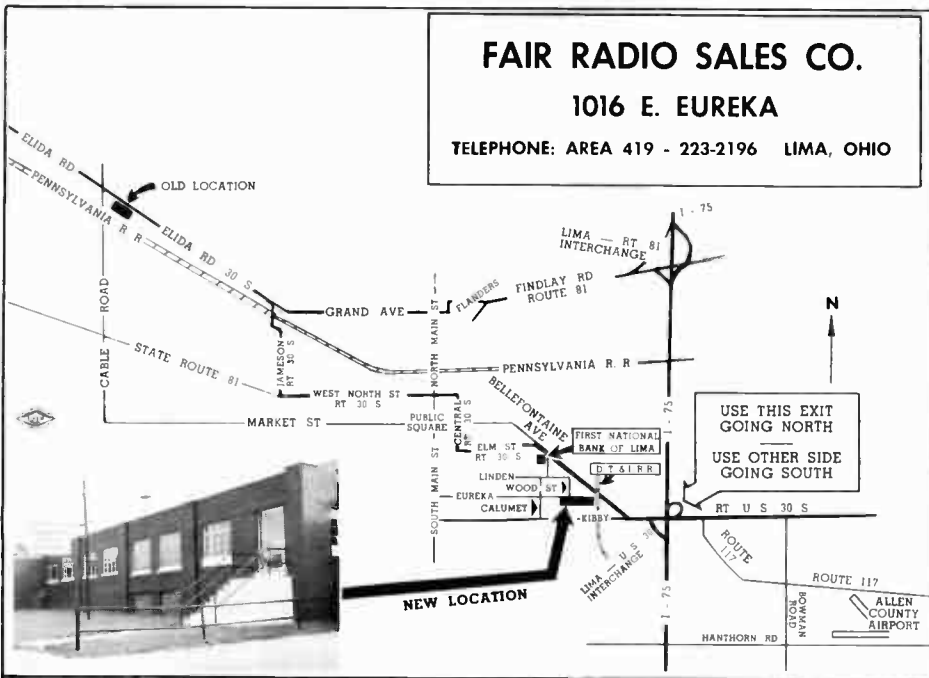
WICO AMMETER AM-301BL; BRASS CASE, CHROME EDGE 2 1/2" ROUND, 100-50-0-50-100 MOUNTING HARD WARE AND DIRECTIONS. \$1.95

WICO VOLTMETER VM-2979L; BRASS CASE CHROME EDGE 2 1/2" ROUND, SCALE 0-5-10-15-20 D.C. VOLTS. MOUNTING HARD. & DIRECT. \$1.95

FAIR RADIO SALES CO.

1016 E. EUREKA

TELEPHONE: AREA 419 - 223-2196 LIMA, OHIO



VISIT OUR SALES ROOM

MONDAY THRU SATURDAY

9:00 A.M. TO 5:30 P.M.

TV LOUNGE FOR THE FAMILY

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JACK MOODY
5043 ST FERDINAND
NEW ORLEANS LA 70126

Fair Radio Sales Co.
1016 E. EUREKA ST.
Lima, Ohio 45802
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Lima Ohio
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APR-4 RECEIVER

R-444/APR-4Y RECEIVER AND CV-253/ALR TUNING UNIT FOUR BAND TO COVER THE FREQUENCY OF 38 TO 1000 Mc. USED IN AIRCRAFT AS SEARCH EQUIP. TO DETECT ELECTROMAGNETIC RADIATION, THE FREQ. OF SIGNALS, RELATIVE FIELD STRENGTH AND AUDIO OUTPUT. SELECTOR PERMITS CHOICE OF AM NARROW/WID OR FM. ALSO IF ATTN. SELECTOR, HET. SW., RANGE SELECTOR, SWEEP CONTROL & TUNING KNOB. METER 2 1/2" FOR TUNING. ORIGINALLY DESIGNED FOR 115 V. 400 CYCLE POWER SOURCE UNITS ARE AVAILABLE FOR 115 VOLT 60 CYCLE. ALSO REQUIRED IS 24 VDC FOR PILOT LIGHTS AND SCANNING MOTOR WHEN TUNING UNITS WITH MOTORS ARE USED. REC. USED TUNING: 8x10 1/2 x 12 1/2; WT: REC. ONLY 33 LBS. TU-20 LI PRICE: REC. ONLY \$95.00 WITH CV-253 TU-250 CV-253 CONVERTER 38-1000 MC NEW \$175 ANY OF THE TUNING UNITS LISTED BELOW CAN BE USED WITH THE R-444/APR-4Y OR R-54/APR-4

R-54/APR-4 RECEIVER SAME AS ABOVE ONLY DIFF. POWER REQ. 115 VOLT 60 TO 2600 CYCLE & 24 VDC SAME PRICE AND TUNING UNITS CAN BE USED.



CONVERTER TUNING UNITS FOR USE WITH 30 MC. I.F. NO POWER SUPPLIES REQUIRE 300 VDC, 6.3 VAC OR 24 VDC WHICHEVER THE CASE MAY BE. SIZE: 9x7x15; 25 LBS. AV

TN-16/APR-4 TUNING UNIT	38- 95 MC	\$29.50
TN-17	NOT AVAILABLE	
TN-18	300-1000 "	39.50
TN-19	975-2200 "	39.95
TN-54	2150-4000 "	75.00
CV-253	38-1000 "	175.00

TU-56 AND TU-57 CAN BE USED WITH ABOVE SETS BUT REQUIRE MODIFICATION AS TO GUIDE HOLES.

TU-56 TUNING UNITS	38-95 MC	20.00
TU-57	74-300 "	40.00

TN-1/APR-1	38- 95 "	25.00
TN-3/APR-1	300-1000 "	35.00

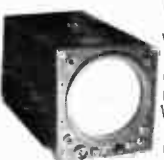
POWER PLUG TO FIT SETS \$1.50 SHOCKMOUNT 2.50



SUPER PRO RECEIVER

SP-600 HAMMARLUND RECEIVER 0.54 TO 54 MC IN SIX BANDS, SENSITIVITY 2.3 MICROVOLTS OR BETTER ON ALL BANDS FOR S-N-R RATIO OF 10 DB. IMAGE REJECTION BETTER THAN 74 DB ON ALL BANDS, IF REJECTION RATIO AT 600 KC IS 2700 TO 1, AVC WILL HOLD WITHIN 12 DB WHEN INPUT IS INCREASED. FROM 2 TO 200,000 MICROVOLTS, AUDIO OUTPUT 2 WATTS INTO 600 OHM. ALSO CRYSTAL OSCILLATOR FOR SIX CRYSTAL CONTROL FREQ. ANYWHERE IN THE RANGE. WITH 20 TUBES. STANDARD RACK MOUNTING. POWER REQUIRED 95 TO 260 V 50/60 CYCLE 130 WATTS. SIZE: 19x16 1/2 x 10 1/2; WT: 80 LBS. PRICE: USED CHECKED FOR OPERATION \$349.95

MONITOR



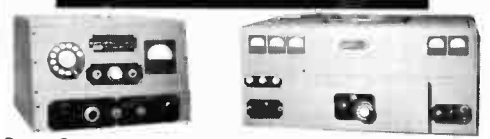
IC-66/AXR-1 MONITOR INDICATOR VIDEO REPEATER: AUX. VIDEO UNIT CONTAINING AMPLIFIER CIRCUITS, ORIVEN TYPE DEFLECTION CIRCUIT HV GENERATOR AND 7" C.R. TUBE. WITH TUBES 7CP1, 2/12SN7, 1/807, 1/8016, 1/6AC7, 1/6SN7. ALSO DYNAMOTOR 24 VDC INPUT, OUTPUT 400 VDC 125 MA. U/W AXT-2 SET. SIZE: 8 1/2 x 10 x 19; WT: 20 LBS. PRICE: USED \$19.95

TV CAMERA



BC-1211 CONVERSION UNIT; CONTAINS NECESSARY CKT AND COMP. FOR PICKING UP OPTICAL IMAGE AND CONVERTING IT TO VIDEO SIGNAL, ALSO GENERATES BLANKING AND SYNC. PULSES TO COMBINE W/VIDEO TO FORM COMPOSITE SIG. WITH TUBES 1846, 2/6L6, 1/VR-150, 4/1649, 2/6X5, 3/12SL7 & 4/12SN7. SIZE: 8 1/2 x 10 1/2 x 20; WT: 40 LBS. UNUSED PRICE: WITH TUBES AND LENSE \$100.00 " LESS " 75.00

TRANSMITTING EQUIP.



RC-203 TRANSMITTING EQUIPMENT; 1.5 TO 10 MC CRYSTAL CONTROL OR M.O. ON ANY 4 PRESELECTED CHANNELS WITH LOCAL OR REMOTE DIALING OF "ON" OR "OFF" CHANNEL SELECTION ETC. 75 WATT C.W. 50 WATT PHONE. POWER REQ. 100 TO 260 V. 25-60 CYCLE FOR OPERATION OF THE BUILT IN POWER SUPPLY. THE BC-1100 TRANSMITTER CAN BE OPERATED REMOTELY AND COMES WITH TUBES 6/6L6, 3/807, 1/VR-150, 1/5Z3 & 2/RK-60. THE RM-40 CONSISTS OF AMPLIFIER W/LINE LEVEL METER, MICROPHONE CIR. SWITCHING AND PULSE DIAL CIRCUITS TO CONTROL THE TRANS. WHICH CAN BE DONE OVER TEL. LINES. WITH TUBES 2/6J5 & 1/80. TRANS. SIZE: 18x40 1/2 x 30; WT: 411 LBS. REMOTE " 10x14x13 1/2; WT: 50 LBS. SPARE PARTS BOX CONTAINS THE OPERATING TUBES, SPARE TUBES 16 SAME AS USED IN EQUIP. 2 HAND TYPE CHROME, CARBON MICS. 100 OHM, 7 METERS, 8 RELAYS, 1 SWITCH, 25 RESISTORS, 20 CONDENSERS, 110 FUSES, 2 RECT. 2 RHEO. 2 POTS, 24 LAMPS ETC. ALSO 2 MANUALS. SPARE PARTS BOX WEIGHT 72 LBS. PRICE: BC-1100, RM-40 & SPARE PARTS \$195.00 WITH EC-1100 & RM-40 W/OPERATING TUBES \$150. MANUAL RC-1100 W/OPERATING TUBES \$125.00

TV TRANSMITTER



T-61/AXT-2 TRANSMITTER FREQ. RANGE 264 TO 372 MC. RECEIVES RADIO & SYNCHRONIZING SIGNALS AND TRANSMITS MODULATED R.F. CARRIER WHICH IS GENERATED IN THIS UNIT BY MEANS OF OSCILLATOR AND POWER AMPLIFIER. POWER REQ. 750 VDC 225 MA & 24/28 V. WITH TUBES 4/8025, 2/6L6, 2/6SH7, 1 EA. 5Y3GT, 6SL7GT, 6V6GT & 955. SIZE: 9x14x18; WT: 40 LBS. PRICE: USED \$32.95 UNUSED \$39.50

WORLD'S FINEST

ELECTRONIC SURPLUS



Fair Radio Sales Co.

P. O. Box 1105 - - - 1016 E. Eureka St.
Lima, Ohio 45802 419/223-2196

OUR 26th YEAR - - - CATALOG #73

450 TO 470 MHZ



RCA TYPE CNU-15B CARPHONE RECEIVER-TRANSMITTER, FM 450-470 MHZ RANGE. SINGLE-CHANNEL CRYSTAL-CONTROLLED UNIT WAS ORIGINALLY DESIGNED FOR MOBILE USE, OPERATING FROM EITHER SIX OR TWELVE VOLT SOURCE DEPENDING ON THE POSITION OF THE INCLUDED VIBRATOR. THE RECEIVER SECTION'S LOW IF IS 455 KHZ AND A HIGH IF OF 15.145 MHZ. SQUELCH RANGE IS 0.2 U-VOLT TO 0.7 U-VOLT. AUDIO OUTPUT: 1 WATT; OUTPUT IMPEDANCE: 4 OHMS (SPEAKER), 600 OHMS (LINE). INPUT IMPED: 50 OHMS. THE TRANSMITTER SECTION HAS A 15 WATTS MIN. RF OUTPUT, CRYSTAL FRE. RANGE 12.501 TO 13.054 MHZ. (X36). FREQUENCY SWING FOR 100% MODULATION AT 1000 HZ IS 15 KHZ. AUDIO INPUT IMPED: 100 OHMS. THE POWER SUPPLY PROVIDES THE FOLLOWING VOLTAGES: 285v. @ 280 MA, 270-285v. @ 95 MA, 270v @ 20 MA, 170-285v. @ 15 MA (TRANS.). AND 215v @ 4 AND 53 MA (REC.). WITH TUBES 2/5894, 6360, 5763, 6/6RH6, 6AK6, 2/6AK4, 2/6CP6, 6AL5, 2/12AT7, 3/12AX7, 6AB4 SIZE: 15x6x18 SHPG. WT: 60 LBS.

PRICE: USED, COMPLETE WITH CABLES AND CONTROL HEAD \$65.00 LESS COVER \$55.00

400 TO 1000 MHZ



TS-4100 SIGNAL GENERATOR 400 TO 1000 MHZ IN ONE BAND. GENERATES AM, CW OR PULSED CARRIER. OUTPUT VOLTAGE 0.2 TO 200,000 U-VOLTS INTO 50 OHMS. INTERNAL AND EXTERNAL MODULATION 40 TO 4000 HZ. EXTERNAL MOD. PEAK PULSE AMPLITUDE 40 TO 70 VOLTS; PULSE WIDTH 0.5 TO 20 U-SEC; POSITIVE OR NEGATIVE PULSE OR SINE WAVE SYNCH. INPUT IMPEDANCE: 10,000 OHMS SHUNTED BY 115 UUF; OUTPUT IMPED.: 50 OHMS. POWER REQUIRED: 115 VAC 5C TO 1600 HZ. SIZE: 12x17x13 SHPG. WT: 80 LBS.

PRICE: USED, REPARABLE \$95.00 USED, CHECKED \$120.00

50 TO 600 MHZ

R-417/TRC FM RECEIVER (PICTURED WITH FLUG-IN.) 50 TO 600 MHZ POSSIBLE WITH THE USE OF THE APPROPRIATE AMPLIFIER-CONVERTER PLUG-INS LISTED BELOW. BASE-BAND FREQUENCY 250 TO 68,000 HZ; INTERMEDIATE FREQUENCY 30 MHZ. AUTOMATIC FREQUENCY CONTROL; AUTOMATIC OR MANUAL GAIN CONTROL. INPUT IMPEDANCE 52 OHMS; OUTPUT IMPED: 600 OR 15 OHMS (BALANCE TO GROUND). WITH TUBES: 10/5654, 10/5670, 5751, 5726, 6AV5, AND 6AN5. PROVISION FOR BAND-PASS FILTER (NOT AVAILABLE) ON FRONT. POWER REQUIRED: 115 VAC 50/60 HZ. SIZE: 18x14x14 WT: 75 LBS. PRICE: USED, NOT CHECKED-COMPLETE, LESS PLUG-IN UNITS \$95.00



225 TO 399.9 MHZ



R-353/URD-4 RECEIVER PART OF URD-4 DIRECTION FINDER, 225-399.9 MHZ, AM OR FM, LOCAL OR REMOTE TUNING ON ANY ONE OF 20 PRE-SET FREQ. ANY ONE OF 1750 CHANNELS CAN BE SELECTED MANUALLY, IN TWO BANDS. WITH TUBES 9/6AS6, 3/6F4, 5/5654, 12/5670, 1/5686 & 3/5726. POWER REQUIRED 105 WCG, 200 VDC, 19 VAC & 6.3. SIZE: 21x11x18; WT: SHPG. 15C LBS.

PRICE: NEW \$49.50 MANUAL \$8.50



AMPLIFIER-CONVERTERS PLUG-IN UNITS USED WITH R-417 RECEIVER. OUTPUT IS TO 30 MHZ. CONTINUOUS TUNING OF R.F. AND OSCILLATOR. USED, COMPLETE. SIZE: 7x6x3 1/2 WT: 10 LBS. A1-1179 50-100 MHZ, 5654, 5670, 6J4 \$39.50 A1-914 225-400 MHZ, 4/6J4, 5670 34.95 A1-1177 400-600 MHZ 2/5758, 6AF4, 6AN4 44.50

R-388 RECEIVER



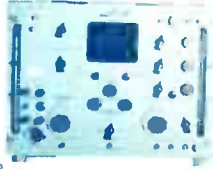
R-388/URR RADIO RECEIVER, SUPERHETERODYNE TYPE, 0.5 TO 30.5 MHZ--30 BANDS IN ONE MHZ STEPS. WITH WIDE 6" BAND SCALE, THIS UNIT IS CAPABLE OF BEING TUNED TO ANY AM SIGNAL WITHIN ITS FREQUENCY RANGE IN EITHER MEGACYCLES OR KILOCYCLES. R-388 FEATURES FIVE STEP CRYSTAL SELECTIVITY, A CALIBRATED "S" METER, AND SEPARATE CONTROLS FOR CRYSTAL PHASING, BFO CRYSTAL CALIBRATOR, AVC NOISE LIMITER, AND ANTENNA TUNING. FREQUENCY STABILITY WITHIN 300 CYCLES; AUDIO OUTPUT 1.5 WATTS INTO 4 OR 600 OHMS. WITH BUILT-IN POWER SUPPLY FOR 115/230v. 45-70 CYCLE 85 WATT AC POWER SOURCE. SPEAKER REQUIRED. SIZE: 12x13x21 WT: 50 LBS. PRICE: USED REPARABLE \$375.

R-390A RECEIVER USED \$800

618-IF RECEIVER NEW \$1250

OSCILLOSCOPE

AN/USM-50 OSCILLOSCOPE WITH 3ADP. CATHODE RAY TUBE AND 15 MHZ BANDWIDTH. RISE TIME FROM 0.022 U-SEC TO 30,000 U-SEC. SWEEP TIME CONTINUOUSLY ADJUSTABLE FROM 0.17 TO 37,500 U-SEC WITH SWEEP DELAY THAT ALLOWS 10% OF SWEEP LENGTH TO BE EXPANDED 10 TIMES FOR SWEEPS GREATER THAN 5 U-SEC. TRIGGER PULSE FROM 10 TO 10,000 HZ WITH 0.15 U-SEC RISE TIME. TIMING MARKERS SYNCHD AT 0.2, 1, 5, 20, 100 500 AND 2000 U-SEC. VERTICAL INPUT IMPEDANCE: 1 MEGOHM SHUNTED BY 40 UUF FOR ALL ATTENUATOR POSITIONS HORIZONTAL IMPED: 1 MEGOHM SHUNTED BY 30 UUF INPUT VOLTAGE: 0.03 TO 90 VOLTS PEAK INPUT SENSITIVITY: 10 MV/CM-RMS CALIBRATION: 1 KHZ ADJUSTABLE 20 TO 200 MV. EXTERNAL CONNECTIONS POSSIBLE TO BOTH THE VERTICAL PLATE AND THE HORIZONTAL AMPLIFIER. POWER REQUIRED: 115 VAC 50 TO 1000 HZ SIZE: 15x19x16 1/2 WT: 80 LBS. LESS PROBES PRICE: USED, REPARABLE \$75.00 USED, CHECKED \$100.00 ATTENUATOR PROBE \$7.50 ADDITIONAL



KLYSTRON POWER SUPPLY



HEWLETT-PACKARD MODEL 715A KLYSTRON POWER SUPPLY FOR LOW POWER KLYSTRON TUBES. DELIVERS -250 TO -400 REGULATED DC VOLTS @ 30 TO 50 MA FOR THE BEAM ELECTRODES AND 0 TO 900 REGULATED DC VOLTS FOR THE REFLECTOR ELECTRODE, EACH VOLTAGE CONTINUOUSLY TUNEABLE. THE REFLECTOR VOLTS CAN BE MODULATED BY INTERNAL 1000 HZ SQUARE WAVES OR EXTERNALLY. THE INTERNAL SQUARE-WAVE MODULATION IS ADJUSTABLE UP TO 120 VOLTS PEAK-TO-PEAK. FREQ. MODULATION FOR 60 HZ SINE WAVE ADJUSTABLE 0 TO 350 VOLTS PEAK-TO-PEAK. LESS OUTPUT CABLE. POWER REQUIRED: 115/230 VAC 50/60 HZ. SIZE: 7x11 1/2 x 13 1/2 WT: 23 LBS. PRICE: USED, NOT CHECKED \$35.00

ORDERING INFORMATION SEE PAGE 2

CATALOG INFORMATION THIS IS THE ONLY CATALOG YOU WILL RECEIVE THIS YEAR. SUPPLEMENTS WILL BE SENT PERIODICALLY. IF YOU NO LONGER WISH TO RECEIVE OUR CATALOG, RETURN TO US THE BACK PAGE ONLY.

MINIMUM ORDER \$3.00

FAIR RADIO SALES



100-0-100 DC VOLT
300-0-300 DC VOLT
SCALES WITH SHUNTS
AND INSTRUCTIONS
3 1/2" GE-DO-41RAA4
NEW \$4.95




500 MICROAMP DC
MOVE. FACE MARKED
"SET TO RED LINE"
LIKE LEFT CENTER
MARKED "6 V" TOP
"150 V" BOTTOM.
3 1/2" ROUND SEALED, RUGGEDIZ.
TELECTRO TM-263.
#6625-255-0121 NEW \$6.95




425 MICROAMPERES
D.C. 4x4 1/2"
SCALE, TOP 0-60
BOTTOM 0-3/15/
60 MARKED ACV
DCV AND MILLI-
AMPERES.
P/O 1-135E TEST SET, M-1
#P30033
USED \$6.95



0-1 MADC SCALE,
1 1/2" SQUARE, SEALED
RUGGEDIZED.
MARION ELECTRIC.
#MRI3WOOD1DMA
RE-MOVED NEW \$4.95




PHAOSTRON
CLEAR PLASTIC
CASE 50 MICRO
AMP D.C. 0-5
SCALE 3 1/2"
#715-16-20
\$4.95 NEW



500 MICROAMPERES
D.C. RES. 300
OHM D.C. 1 1/2" SQ.
1-3/8" MTG.
DEJUR MOD. 112
STK #3F3312-6.6
\$4.95




SEL SYN METER
FOR CHECKING
LEAD AND LAG.
TERMINALS FOR
115 VOLT A.C.
AND FROM SEL
SYN. 4 1/2" DIA.
WESTON 543/245620 U \$6.95



MULTIMETER USED
TO TEST AIRCRAFT
CIRCUITS. FULL-
SCALE 100 UA,
1100 OHMS 10%
4x4 1/2 x 5 WT. 3 LBS
USAF-5200-474900
\$4.95




MICROMHOS DYNAMIC
MUTUAL CONDUCTANCE
USED IN I-177 TUBE
CHECKER BASIC 0-1.4
MA. HICKOK #M547A
STK # 3F1350 \$4.95




TV-2 REPLACEMENT
METER, 0-250
SCREEN VOLTS,
FS-1 MA. 2 1/2" RD.
SEALED. NEW \$5.95


DECIBELS



8 to 0 to +6 SC.
FS-3.79 VAC, 3 1/2"
RD. WEST #BA-33543
USED \$3.95




-8 to 0 to +6 SC.
6 MILLIWATTS, 600
OHMS, 3 1/2"
RD. WESTON 301/21
USED \$3.95




-10 to 0 to -6 DB; 3 1/2"
RD. VARIOUS MFG. #6625-157-
7802 NEW \$4.95


POWER SET #6 to 0 to -3
2 1/2" RD. FS-200 UA, WAELINE
1496/400 RUGG/SEAL U \$3.95




WARNING TYPE
RED KNOB IN FRT.
CONTROLS RED
POINTER WHICH
MAY BE SET ANY
WHERE ON THE DIAL. IF
THE CURRENT FALLS TO THIS POINT
IT CLOSSES A CONTACT THAT
CAN ACTUATE THE WARNING DE-
VICE SUCH AS RELAY, BELL ETC.
PLASTIC CASE 2 1/2" FACE. N.M.
#23399 0-1 DCMA
#23665 0-100 DC MICROAMPS.
USED \$8.95 SPECIFY TY



0-500 MILLI-
AMMETER RF W/
THERMOCOUPLE.
3 1/2" RD. METER
IN 4 1/2 x 4 1/2 x 3 1/2"
WOOD BOX.
BOX HAS 1" FLANGES FOR SUR-
FACE MOUNTING. WITH SO-259
TYPE CONNECTOR. ORIGINALLY
USED WITH A-68-A ANTENNAS
AND SCR-274 RADIO EQUIPMENT
WT: 3 LBS. UNUSED \$7.95




ROENTGENS
PER HOUR METER
50 MICROAMPERE
D.C. FULL SCALE
3 1/2" RUGGEDIZED
REMOVEABLE
PLASTIC LENSE,
BLACK FACE.
TOP SCALE 0-500, LOWER 0-10
#300-10764 UNUSED \$3.95



BALLENTINE
V.T.V.M.
METER
ONLY
AC VOLTS
1-10
DECIBELS
0-20
WESTON 643
4 1/2" OR EQ.
MFG. PT. NO. 205007 NEW
STK #6625-557-0899 \$8.95



0-100 D.C. MA
270 DEG. SC.
3 1/2" FS-100MV
WITH SHUNT
WESTON 1539
#6625-839-
0626
P/N206-1783-
56 NEW \$7.95



EDGE-WISE METER
0-100 D.C. MA.
FULL SCALE 20 MA
2 1/2 x 3 1/2 x 3/4"
INTERNATIONAL 1135ULB \$5.95




MATCHED METERS CHROME PLAT
ED 2 1/2" SQUARE, 2" HOLE MTG.
0-30 VOLTS DC #1046A-12
\$1.95




DC AMPERES 400-0-400 SCALE
INDUCTION TYPE MOVEMENT.
#1696-1B \$1.95

A.C. AMPERES



GE AC AMMETER 0-
125 SCALE 0-1 A
400 CYCLE MOVE. 2"
SQ. #2319-6625-
649-1982 NEW \$3.95



0-5 AC AMMETER, 3 1/2" ROUND,
RUGGEDIZED; WESTON 1534
#6625-649-4076 NEW \$5.95



0-150 ACA SIMPSON NEW
MODEL 56 3 1/2" RD. \$5.95

OTHER SCALES AVAILABLE,
ADVISE US OF YOUR NEEDS.

1016 E. EUREKA
BOX 1105, LIMA, OHIO 45802
TEL: AREA CODE 419 223-2196
STORE HOURS
9:00 A.M. TO 5:30 P.M.
MONDAY THRU SATURDAY

TERMS
PRICES NET, F.O.B. LIMA, OHIO
SEND CASH, CHECK or MONEY
ORDER with PURCHASE ORDER.
MINIMUM ORDER \$3.00.
Orders less than \$3.00
ADD \$.50 HANDLING CHARGE.

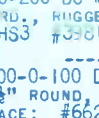
Include sufficient money for
shipping charges. (UNUSED
PAYMENTS RETURNED AT
ONCE.) Otherwise we will send
shipping charges collect.
C. O. D. ORDERS, SEND 25% of
PURCHASE with ORDER. BAL-
ANCE will be COLLECTED
UPON DELIVERY.

When writing for information
PLEASE state what specific
information you desire.

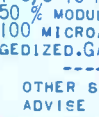
D.C. MICROAMPS.



0-200 D.C. MICRO-
AMPERES, 3 1/2"
ROUND, CENTER ADJ.
USTMENT. USED
WE #167807 \$4.95




0-200 DC MICROAMPERES, 3 1/2"
RD., RUGGEDIZED, MARION
H33 #3301 NEW \$4.95




100-0-100 D.C. MICROAMPERES,
3 1/2" ROUND, RUGGEDIZED, WHITE
FACE; #6625-683-9592
NEW \$5.95

D.C. AMPERES



DC AMPERES 3 1/2"
0-300 SCL USE W/
SHUNT 50 MV/200 A
WESTON-M-643 ORD #
173030 \$6.95



0-10 AMPS DC, 2 1/2" RD., RUG-
GEDIZED, WESTON 1521 #6676
UNUSUED \$7.95
WITH MATCHING 0-30 VDC,
WESTON 1521 METER, \$14.95



0-5 DCA SCALE, 2 1/2" SQUARE,
EMICO RF2C-2202; #6625-909-
0433. NEW \$3.95



0-150 DCA SCALE, 2 1/2" RD.
FS-15 MA. MOVEMENT.
WEST. #12058528 USED \$1.95




1-139 TEST
METER FOR
SCR-522 RADIO
USED FOR ALIGN-
MENT & SETTING
CHANNELS
0-1 MA
METER
WITH CORD & PLUG.
SIZE: 3x3x2 WT: 2LB. \$6.95

D.C. MILLIAMPS. D.C. VOLTMETERS




0-200 MADC SCALE, 2 1/2" ROUND
DEJUR S-210 MR25200DCMA
USED \$2.95



0-200 MADC SCALE, 3 1/2" ROUND
GE #DO-41/CG-22063
NEW \$4.95



0-250 MA DC, FS-5 MA, 1 1/2"
SQ., VARIOUS MFG., #6625-
504-2250 SEALED NEW \$3.95




0-15 SCALE, FS-10 MA. DC,
2 1/2" RD. RUGGEDIZED, HONEY-
WELL, #0043 NEW \$3.95




0-80 MADC SCALE, 2 1/2" ROUND;
RUGGEDIZED; HICKOK OR MARION
MFG. #6625-539-8274
NEW \$4.95




0-5/10/50 GRID BIAS VOLT SC
0-1 MA. MOVE. D.C. RUGGEDIZ
VARIOUS MFG. #MEB-1001 \$3.95



0-10-500 SCALE, FS-1 MA DC
3 1/2" SQ., SIMPSON,
#6625-842-8885 NEW \$4.95



0-50 MADC SCALE, 3 1/2" ROUND
WESTON 301
USED \$4.95



0-25 MADC SCALE, 0-1 MA.
MOVE. RUGGEDIZED, BLK, FACE
WESTON #1521/GA-52832
USED \$4.95




3 1/2" ROUND RUGGEDIZED MA DC
METERS. NEW. SELECT RANGE:
0-100 MADC #4265 \$5.95
150-0-150 MADC #3498 \$5.95




0-1.0 MA DC SCALE; 3 1/2"
ROUND; RUGGEDIZED; VARIOUS
MFG.; #6625-649-2710
NEW \$6.95



HONEYWELL MR2
MILLIAMMETERS;
2 1/2" FAN STYLE,
PLASTIC CASE,
WE \$8.00 EACH
ORDER #7993




0-150 MA DC, ORDER #9015




0-20 VDC SCALE, 3 1/2" ROUND,
RUGGEDIZED; WAELINE 3044;
#6625-580-9626 NEW \$5.95




0-15 AC-DC VOLTS SCALE, 2 1/2"
ROUND, VARIOUS MFG.
D.C. TYPE 1S-122 USED \$2.95




0-75 VDC SCALE, 3" RD. PROJ
ECTION TYPE, WESTON 301
1000 OHMS PER V. #248-7207
NEW \$5.95




0-1.5 VDC SCALE, 2 1/2" ROUND
PHAOSTRON, RUGGEDIZED #683-
9729 UNUSUED \$4.95




0-500 VDC SCALE, 3 1/2" SQUARE
HONEYWELL #231-1624
UNUSUED \$5.95



0-2 KVDC SCALE, 2-1/2" squa-
RE, FS-1 MA. 1000 OHM P/V
WESTON #506/668-9743 \$4.95N




0-50 VDC SCALE, 4x4 1/2" SQUARE
1000 OHMS P/V SIMPSON DRA#
38546 USED \$5.95




0-100 VDC SCALE, 3 1/2" ROUND
FS=100 V. BURLINGTON #431/
MR35W USED \$4.95



0-500-1000 VDC, FS-500 VOLTS
3 1/2" RD. RUGGEDIZED, WAELINE
#6625-842-9705 NEW \$6.95




0-150 VDC, 3 1/2" ROUND,
HOYT NO. 17-L, UNUSUED \$4.95



0-300 VDC SCALE; 2 1/2" ROUND.
RUGGEDIZED, BLACK FACE.
WAELINE 80056 NEW \$4.95

A.C. VOLTMETERS



JBT MODEL 31-FX, 57 to 63
CYCLES/SEC. 7 REEDS,
#0740 NEW \$10.95



JBT MODEL 34-FX-11-Z, 57.5
TO 62.5 CYCLES/SEC. 11 REEDS
PRICE: NEW \$14.95

FRAHM METER, 380 to 420
CYCLES/SEC. 11 REEDS
PRICE: USED \$8.95

R.F. AMMETERS

0-100 SCALE, FS-
1.2 MA. 2 1/2" ROUND
VARIOUS MFG.
USED \$2.95
NEW \$3.95

THERMOCOUPLE FOR DIRECT
READING SCALE \$1.00

0-150 RF MA, 2 1/2" RD. RUGGED-
IZED, SIMPSON #5848 N \$4.95

OTHER RF METERS AVAILABLE.
WRITE US YOUR NEEDS.

A-61 ANTENNA
DUMMY LOAD
WITH 2 1/2" RD.
0-5 RF AMME-
TER. RES: 5
OHMS CAP:
.0001 MFD.,
POWER RATING: 50 WATTS.
ALUMINUM CASE W/MOUNTING
RACK. SIZE: 7x5 1/2x2 1/2 WT: 3LB
PRICE: UNUSUED \$7.95

R-394/U RECEIVER F.M. 152-172 MC.
SINGLE CHANNEL CRYSTAL CONTROL DUAL CONVERSION, CRYSTAL FREQ. RANGE 24.033 TO 27.7 THIRD OVERTONE, TYPE CR-32/U, I.F. FREQ. 7.8 MC & 455 KC. 15 KC DEVIATION, OUTPUT IMPEDANCE 8 OHMS, POWER 6 WATTS, SQUELCH AND MUTING CIRC. MODULAR CONSTRUCTION WITH PLUG-IN UNITS FOR EASY SERVICING.
1ST R-F AMPL. UNIT W/TUBES 1/5840 2/1AD4.....LOCAL OSCILLATOR UNIT W/TUBES 2/1AD4, 1/5678, 1/VR31-5783
.....1ST I-F 7.8 MC UNIT W/TUBES 3/5678.....2D I-F AND DISCRIMINATOR UNIT WITH TUBES 7/5678.....AUDIO AND SQUELCH UNIT WITH TUBES 3/5678, 1/5672, 1/6AK6 ALSO 455 KC SELECTIVE FILTER UNIT WHICH IS WIRED, NOT PLUG-IN. ILLUSTRATION SHOWS THE PLUG-IN UNIT AND THE COMPARTMENT WHERE THE POWER SUPPLY IS ALSO PLUGGED INTO. COVER IS SUPPLIED AND HELD IN PLACE BY A SPRING LOADED FASTNER.
POWER SUPPLIES, CONNECTOR, CONTROL UNIT AND OTHER ITEMS THAT ARE USED WITH THIS SET ARE LISTED ELSEWHERE ON THIS PAGE.
SIZE: 8 1/2 x 5 1/2 x 14 1/2; WT: 19 LBS.
PRICES: USED GOOD CONDITION.....\$14.95
GOVT RE-CONDITIONED..... 22.50

R-257 RECEIVER 25 TO 50 MC FM
SAME AS R-394 RECEIVER ONLY DIFFERENT FREQUENCY RANGE.
USES ALL THE SAME ACCESSORIES POWER SUPPLIES, TUBES ETC. SAME SIZE AND WEIGHT.
USED \$14.95

T-208/U TRANSMITTER F.M. 25 TO 50 MC 25 WATTS.
SINGLE CHANNEL CRYSTAL CONTROL, 15 KC DEVIATION, VOICE ONLY TRANSMISSION. CRYSTAL UNIT CR-27/U, FREQ RANGE 1,562.5 TO 3125 KC. X 16 FOR ALL FREQUENCIES. 100 MV CARBON MIC. WITH TUBES 3/2E24, 1/384, 2/5672 4/5678 & 3/1AD4.
VOLTAGES REQUIRED ARE AS SHOWN WITH DYNAMOTORS DY-93/12 V, DY-98/24 V. DY-100/6 V.
SIZE: 8 1/2 x 4 1/2 x 14 1/2; WT: 11 LBS. USED \$18.95

CHASSIS CONNECTORS TO FIT R-394, R-257, T-416 T-278, T-208 & SUPPLIES
TRANSMITTER PLUG P-401 CHASSIS CONNECTOR NO'S J-801, CANNON# DPD-A32C2-33S-2L \$2.50
RECEIVER PLUG R-252 CHASSIS CONNECTOR NO'S J-803, CANNON# DPD-A31C1-33S-2L \$2.50
POWER SUPPLY PLUG P-1203; CHASSIS CONNECTOR NO'S J-802, CANNON# DPD-30-33S-22 \$2.50
UG-77 PLUG ON 4 1/2 FOOT CORD.....\$1.00
H-33/PT HANDSET ON 4 1/2' CORD WITH UG-77 U \$5.95

SPECIFY R-257 OR R-394

R-257 OR R-394 RECEIVER CHASSIS ONLY LESS ALL PLUG-IN UNITS AND FILTERS, WITH CONNECTORS & COVER. SHPG. WT: 10 LBS. USED \$4.95
R-257 OR R-394 RECEIVER PLUG-IN UNITS ONLY
MX-1547 RECEIVER REPLY SUBASSEMBLY \$4.95
1ST R.F. AMPL. W/TUBES 1/5840, 2/1AD4 \$3.95
LOCAL OSCILLATOR W/TUBES 2/1AD4, 1/5678 \$4.95
1/VR31-5783 & CRYSTAL. (NO CRYSTAL CHOICE)
2ND I.F. AND DISCRIMINATOR W/ TUBES 5678 \$3.95
1ST I.F. 7.8 MC. W/TUBES 3/5678 & CRYST \$4.95
AUDIO & SQUELCH W/TUBES 3/5678, 1/5672 AND 1/6AK6 \$3.95
SELECTIVE FILTER 455 KC. (NOT SHOWN) \$2.95

VIBRATOR TYPE POWER SUPPLIES
FOR USE WITH R-394 & R-257 RECEIVERS. THE OUTPUT OF THE SUPPLIES ARE THE SAME AND ARE

155 VOLTS DC @ 15 MA.
150 " " @ 5 "
140 " " @ 50 "
-40 " " @ .5 "
6.3 " " @ .45 AMPS.
6.3 " " @ 1.0 "
1.4 " " @ 1.25 "

PP-867/U 24 VOLTS DC @ 1.1 AMPS USED \$4.95
PP-868/U 12 " " @ 2.0 " " 9.95
PP-869/U 6 " " @ 3.7 " " 6.95
PP-846/U 115/230 v 60 CYC 2 AMPS " 18.95
PP-844 115/230v. 60 CYCLE AC POWER SUPPLY FOR T-417, T-208 AND T-278 TRANSMITTERS.
NEW \$32.95 USED \$27.95
C-844/U CONTROL UNIT FOR OPERATION OF RADIO SET FROM REMOTE POINT. USED \$14.95

C-847 RADIO CONTROL BOX;
USED TO CONTROL THE SYSTEM, HAS HEAVY ALNICO MAGNET 4" SPEAKER FOR MONITORING REC. CONTROLS FOR SQUELCH, VOLUME ON/OFF SW. PILOT LIGHTS AND RECEPTACLE FOR H-33 HANDSET WHICH HAS UG-77
SIZE: 9 1/2 x 5 1/2 x 3 1/2; WT: 6 LBS. USED \$8.95
H-33/PT HANDSET WITH CORD & UG-77 " \$5.95

DY-93 DYNAMOTOR POWER SUPPLY
INPUT: 12 VDC @ 20 AMPS.
OUTPUT: 360 VDC @ 180 MA.
225 VDC @ 45 MA.
-25 VDC @ 5 MA.
USED WITH T-208 & T-278 TRANS.
SIZE: 8 1/2 x 7 x 14; WT: 27 LBS.
PRICE: USED \$9.95

C-84E/U RADIO SET CONTROL
USED WITH R-394, R-257 RECEIVERS AND T-208, T-278 & T-417 TRANSMITTERS.
CONTAINS A 3 TUBE MICROPHONE AMPLIFIER WITH A LINE LEVEL METER THAT ENABLES YOU TO ADJUST THE SIGNAL SO THAT IT WILL BE STRONG ENOUGH TO MODULATE THE TRANS. AFTER PASSING THROUGH THE INTER. 600 OHM LINE.
HEAVY DUTY 4" SPEAKER IS PROVIDED FOR MONITORING THE RECEIVER. HAS TONE GENERATOR FOR SIGNALING PURPOSES, SPEAKER VOL. CONT. PILOT LIGHTS FOR POWER AND TRANSMIT. REQUIRES UG-77 PLUG FOR MIC. & PHONE SUCH AS ON H-33/PT HAND SET. (REQUIRES 155VDC 5MA, 160VDC 15MA & 6.3V) PP-846/U 115/230 v. 60 CYC POWER SUPPLY WAS DESIGNED FOR USE WITH THIS UNIT AND MOUNTS INSIDE AND IS AN OPTIONAL ITEM.
SIZE: 8 1/2 x 13 1/2 x 13 1/2; WT: 20 LBS. TUBES 2/12AU7-6AK6
PRICE: USED WITH PP-846 POWER SUPPLY \$29.50

CY-938 ELECTRICAL EQUIPMENT CABINET;
USED TO HOUSE RECEIVERS R-394 OR R-257, TRANSMITTERS T-208 OR T-278 AND POWER SUPPLIES DY-93 OR DY-98 OR DY-100 FOR THE TRANSMITTERS.
THE UNITS SLIDE IN THE CABINET AND ARE HELD IN PLACE BY A HEAVY TWIST LOCK FASTENER. ELECTRICAL CONNECTIONS ARE MADE THRU THE PLUGS WHICH IN TURN ARE WIRED TO TERMINAL STRIPS BEHIND THE BULKHEAD. CABINET CAN BE MOUNTED IN ANY POSITION AND HAS A REMOVEABLE COVER FRONT AND BACK. (ILLUSTRATION SHOWS CABINET EMPTY AND WITH UNITS IN PLACE.)
SIZE: 17 1/2 x 11 1/2 x 25; WT: 33 LBS.
PRICES: USED \$7.95 UNUSED \$9.95

T-278/U TRANSMITTER F.M. 152 TO 174 MC APPROX. 30 WATTS, CRYSTAL CONTROL ON ANY TWO (2) PRESET FREQ. PHASE SHIFT MODULATION 15 KC DEVIATION, CR-27/U CRYSTAL UNIT FREQ. RANGE 4750-5437.5 KC. MULTIPLIED 32 TIMES. WITH TUBES 2/384, 3/2E24, 4/5678, 2/5672 AND 2/1AD4.
VOLTAGES REQUIRED AS SHOWN WITH DY-93 DYNAMOTOR ELSEWHERE ON THIS PAGE. USED \$18.95
SIZE: 8 1/2 x 4 1/2 x 14 1/2; WT: 12 LBS. UNUSED \$24.95
T-278 TRANS. LESS TUBES AND CRYSTAL OVEN \$6
CX-2341 CABLE FOR CONNECTING CONTROL BOX TO CABINET (NO PLUGS ON THIS CABLE) 50¢ PER.FT.

0-100 SCALE LEVEL SET, 3 1/2" FULL SCALE 100 MICROAMP. RUGGEDIZED #7808 NEW \$6.95

MULTIMETER SCALES 0-2 OHMS, 2-1M OHM, 0-3 VDC, AND (-150 VAC. FS= 100 UA DC; 4 1/2" RD. RUGGEDIZED; LYCOMING 41C-11177 #6625-773-1851 NEW \$8.95

CARRIER LEVEL 0-150 SCALE FS= 130 UA DC 4 1/2" RD. RUGGEDIZED; WESTON MODEL 1541; #1168 NEW \$8.95

CX-2371 CABLE ASSEMBLY USED FOR CONNECTING R-394, R-257, T-208, T-278, T-416 OR OTHER UNITS OF THIS SERIES TO THE CABINETS SO THEY CAN BE TESTED OUTSIDE OF THE CABINET. LENGTH 7 FT. 3LBS. \$10.00

D.C. AMPERES 0-100 & 0-200 SCALE, 3 1/2" FULL SCALE 50 MV RUGGEDIZED #5338 NEW \$6.95

1617 CLEAR PLASTIC FACE METAL BACK ANKER #1617 NEW \$2.95

GO - NO GO SCALE FULL SCALE 1 MA. 3 1/2" RD. RUGGEDIZED; MARION MODEL HS3. #5200 NEW \$5.95

0-50 DC VOLTS WESTON 1931. FACE: 3 1/2 x 3 FITS 2 1/2" HOLE NEW, \$9.95

0-300-600 VAC, 3 1/2" SQUARE, GENERAL ELECTRIC AO-91. #6625-892-5786 NEW \$8.95

0-50 A.C. AMPERES SCALE 2 1/2" FULL SCALE 47 MA. USED ROBERTS 423-74R1 \$3.95

0-150 AND 0-500 VOLTS D.C. SCALES, CLEAR PLASTIC FACE METAL BACK, 2 1/2" AL1617B \$2.95

POWER SUPPLY METER W/5%, 10% AND 20% SCALE. FS= 50 UA DC. 4 1/2" RD. RUGGEDIZED. WESTON 1541; #S71449 NEW \$7.95

OUTPUT METER FOR TS-497B AND TS-497C SIGNAL GENERATORS. 300-0-300 DC MICROAMPS. 3 1/2" RD. MARION HS3, #5735 NEW \$7.95

0-500 SCALE FS= 1 MA DC SIZE: 4x4x1 1/2 WESTON 741-60 NEW, \$7.95

0-140 A.C. VOLTS SCALE 2 1/2" FULL SCALE 1 MA. USED ROBERTS 422-4086 \$3.95

0-50 D.C. MILLIAMPERES EDGE-WISE 1x3 1/2" DEPTH 3" IDEAL #458-0667-00 NEW \$4.95

0-150 DC AMMETER; FS= 50 MV; 3 1/2" SQ.; SHUNT EXTERNAL; GE TYPE DO-91; #124-2095-000 NEW \$8.95

VSWR SCALE: FS= 50 UA DC. 3 1/2" RD. RUGGEDIZED; HICKOK MODEL 46R; #835-7082 NEW \$5.95

FULL SCALE= 1 MA 3 1/2" RD. RUGGEDIZED; MARION MODEL HS3X; #0350 NEW \$5.95

0-5 A.C. AMPERES SCALE 2 1/2" RUGGEDIZED, WESTON 1524 #0850-WR26W005ACAAR \$4.95

BC & ARC COMMAND SETS

THE COMMAND SET SERIES OF TRANSMITTERS AND RECEIVERS HAVE BEEN POPULAR FOR MANY YEARS ON THE SUPPLUS MARKET.

THE SERIES CONSISTS OF SEVERAL SEPERATE UNITS COVERING THE FREQUENCY RANGE OF 190 KC TO 9.1 MC FOR THE RECEIVERS AND 2.1 TO 9.1 MC FOR THE TRANSMITTERS.

IF YOU ARE NOT FAMILIAR WITH THE CONVERSION OF THIS EQUIPMENT IT IS SUGGESTED THAT YOU PURCHASE CONVERSION MANUAL COVERING THE SET.

CQ SURPLUS CONVERSION MANUAL, WHICH INCLUDES COMMAND SETS IS AVAILABLE FROM US FOR \$3.00 (FOR OTHER CONVERSION MANUALS SEE PAGE 21

THE RECEIVERS ARE SIX TUBE SUPERHETERODYNE WITH THE FOLLOWING TUBE LINE-UP; 1/12A6, 1/12K8 3/12SK7 & 1/12SR7.

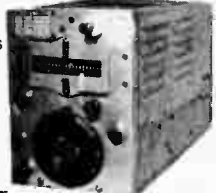
DESIGNED TO OPERATE WITH THE USE OF A DM-32 24 VOLT D.C DYNAMOTOR WITH AN OUTPUT VOLTAGE OF 250 VDC @ 60 MA. ALSO REQUIRES 24 VOLTS FOR FILAMENTS. THE SET WAS TUNED FROM A REMOTE POSITION BY THE USE OF A FLEXIBLE SHAFT AND CONTROL BOX. SIZE: 5x5x11; WT: 12 LBS.

BC-453 190 TO 550 KC USED \$16.95

R-26/ARC 3.0 TO 6.0 MHZ USED \$19.95
BC-455 6.0 TO 9.1 MC USED 14.95
R-25/ARC 1.5 TO 3.0 MC UNUSED \$22.95

R-28/ARC-5 100 TO 156 MC CRYSTAL CONTROL ON FOUR PRE-SET CHANNELS WITH 24 VDC MOTOR, NOT CONTINUOUS TUNING. USES SAME VOLTAGE BUT DIFFERENT TUBES. SEE CONVERSION MANUAL FOR DETAILS TO MAKE CONTINUOUS TUNING. USED \$18.95

THE TRANSMITTERS WITH PROPER USE CAN PUT OUT 50 WATTS CW AND 30 WATTS ON PHONE. MODULATION IS OBTAINED FROM SEPARATE UNITS, BC-456 FOR SINGLE TUBE MOD. AND MD-7 FOR PUSH-PULL MOD. THE DM-33 DYNAMOTOR IS USED TO SUPPLY THE VOLTAGES AND IS MOUNTED ON THE MODULATOR. VOLTAGES REQUIRED 575-600 VDC @ 175-200 MA. AND 24 VOLTS. WITH TUBES 2/1625 & 1/1626 & 1/1629 MAGIC EYE TUBE FOR TUNING AND CRYSTAL FOR CALIBRATION. SIZE: 5x7x12; 12LBS



CBY 52232 NAVY TRANS. 2.1 TO 3 MC NEW \$14.95

BC-696 3 TO 4 MC GOV'T RECONDITIONED 14.95

T-20/ARC-5 4.0 TO 5.3 MC USED \$6.95 NEW 9.95

T-21/ARC-5 5.3 TO 7.0 " " 6.95 NEW 9.95

T-23/ARC-5 100 TO 156 MC AM USING 832 TUBES (2) AND 1625 (2), FOUR PRE-SET CRYSTAL CONTROL CHANNELS, COMPANION TO R-28 REC. FOR CONVERSION SEE CC MANUAL. \$24.95

BC-456 MODULATOR FOR USE WITH COMMAND TRANSMITTERS, SINGLE TUBE MODULATION WITH TUBES 1/1625, 1/12J5GT AND 1/VR-150. HAS PROVISIONS FOR MOUNTING DM-33 DYNAMOTOR. SIZE: 7x8x10; WT: 11 LBS. UNUSED \$9.95

MD-7/ARC-5 MODULATOR SAME AS BC-456 ONLY USES 2/1625 TUBES IN PUSH-PULL FOR 40 TO 60 WATTS. USED L/COVER \$9.95

COMMAND RECEIVER AC POWER SUPPLY SEE PAGE 20

SPIN TUNING KNOB FOR RECEIVERS \$1.00
DM-32 DYNAMOTOR 24 V FOR REC. UNUSED 4.95
35x032 " 12 V " " 4.95
C-26/ARC CONTROL BOX FOR ONE REC. USED 2.00
BC-496 " " " TWO " 1.95
BC-450 " " " THREE " 2.50
BC-451 " " " ONE TRANS. " 1.95
BC-473 " " " ONE REC. " 2.00

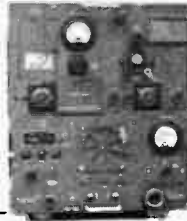
CONNECTOR PLUGS F/REC. OR TRANS. " 1.50

FLEXIBLE SHAFTS MC-215 FOR COMMAND EQUIPMENT 6 FT. \$1.50 EACH ADDITIONAL FT. 25¢ EXTRA.

MC-215 FLEXIBLE SHAFTS AND SMALL SPLINE FOR COMMAND TYPE RECEIVERS; 20 FT. KIT, NOT MADE-UP \$3.95
SPLINE & NUT FITS COMMAND TYPE RECEIVERS AS USED ON MC-215 AND SPIN KNOBS. \$1.50
FT-234 ONE TRANSMITTER RACK \$2.00
MT-68 " " SHOCKMOUNT 1.50
FT-226 TWO TRANSMITTER RACK 2.50
FT-227 " " SHOCKMOUNT 2.00

RECEIVER-TRANSMITTER

BC-669 RADIO RECEIVER AND TRANSMITTER, FREQ. RANGE FROM 1680 TO 4450 KC. OPERATING RANGE IS 20-30 MILES FROM FIXED STATIONS AND 15 MILES FOR MOBILE ONES, DEPENDING UPON ENVIRONMENTAL CONDITIONS. THE TRANSMITTER SECTION WITH AN OUTPUT OF 45 WATTS, SENDS VOICE MODULATED SIGNALS, WHILE THE RECEIVER IS OF THE SUPERHETERODYNE TYPE, DETECTING BOTH VOICE MODULATED AND TONE MODULATED C-W TELEGRAPH SIGNALS. HAS SIX CRYSTAL-CONTROLLED FREQUENCIES WHICH MAY BE PRESET FOR TRANSMISSION AND RECEPTION. MANUAL CONTROL FOR RECEIVING IS ALSO PROVIDED. WITH TUBES 6H6, 6J5, 6K6, 5/6L6, 6SA7, 3/6SK7, 12J5, AND 2/807. POWER SUPPLY REQUIRED 115V. AC 60 CYCLE (PE-110). SIZE: 18x21x13 WT: 150 LBS. PRICE: USED NEED WORK, \$39.95



PE-110D 115V. AC POWER SUPPLY FOR BC-669; WT: 100 LBS. PRICE: \$30.00 UNUSED
RM-21 CONTROL BOX FOR REMOTE OPERATION OF BC-669, WT: 8 LBS. PRICE: \$3.95

BROADCAST RECEIVER



R-22 RECEIVER 550 TO 1500 KC AM, ONE BAND CONTINUOUS TUNING, NO DIAL (SEE BELOW FOR CONTROL BOX) WITH TUBES 2/14A7, 1/14S7, 1/14R7, 1/14F7 AND 1/12A6. VOLTAGES REQUIRED 250-290 VDC @ 50-90 MA. AND 24 VOLTS. SIZE: 6x5x11; WT: 10 LBS. PRICE: NEW \$22.50

CONTROL BOX FOR RECEIVER WITH ADAPTER THAT CAN BE USED ON ANY RECEIVER OF THIS TYPE. SCALE WILL HAVE TO BE CHANGED C-26 CONT. BOX W/ADAPTER \$4.



BC-348 RECEIVER A.M. SIX BANDS 200-500 KC & 1.5-18 MC. CRYSTAL PHASING, ANTENNA ALIGN, BEAT OSC., & AUDIO GAIN CONTROLS, VERNIER & SPEED TUNING, AVC, MVC, PHONE AND C.W. PHONE & SPEAKER JACKS, LARGE ILLUM. DIAL. WITH TUBES 4/6SK7, 6SJ7, 6SA7, 6SR7 & 6K6. VOLTAGES REQUIRE 220 VDC @ 70 MA. & 24 V. SIZE: 18x10x9; WT: 40 LBS. PRICES LESS DYN. PRICES: USED CHECKED \$79.50 NOT CHECKED \$60.
DM-28 DYNAMOTOR 28 VOLT D.C. USED \$4.95
115 V. 60 CYC POWER SUPP. W/SPEAKER \$21.00
FT-154 SHOCK MOUNTING \$2.75
PL-103C PLUG FOR REAR OF RECEIVER 2.50

TEST UNIT

H-19 TEST UNIT FOR ARC-12 TRANSMITTERS AND RECEIVERS. CHECKS TRANS. CRYSTAL, T-11, T-13, T-21, T-23, T-20, T-22. REC. TUNING SEC. WITH DIALS FOR RANGES 118-148, 520-1.5, 190-550 AND 108-135 MC. RUGGEDIZED METER 200 MICRO AMP 0-30 SCALE 2 1/2", TEL & MIC JACK, COAX. CONN. FOR REC. TRANS. LOOP. CIRCUIT BREAKER ON/OFF SW. 20 POS. SELECTOR SW. AND 6 POS. VOL. CONT. RELAY ETC. CAN ALSO BE USED FOR CONTROL OF TRANS./REC. SIZE: 7x5x3; WT: 5 LBS. UNUSED PRICE: \$7.95



R-508/R-19/ARC RECEIVER 118 TO 148 MC. AM, 15 MC I.F. WITH TUBES 3/9003, 1/9002, 2/14R7, 1/14F7 AND 1/12A6, VOLTAGE REQUIRED 24-28 V FOR LOW, 250 VDC @ 60 MA. FOR HIGH VOLTAGE NO DIAL, DESIGNED FOR REMOTE TUNING. SIZE: 6x5x11; WT: 10 LBS. USED \$18.95

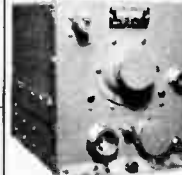
BC-652 RECEIVER

BC-652-A RADIO RECEIVER, 2.0 TO 6.0 MHZ IN TWO BANDS OF 2 TO 3.5 MHZ AND 3.5 TO 6 MHZ. SUPERHETERODYNE TYPE UNIT RECEIVES CW, TONE OR VOICE. CRYSTAL FREQUENCY CALIBRATOR ALDOWS ACCURATE CALIBRATING EVERY 20 OR 100 KHZ. WITH INPUTS FOR HEADSET AND SPEAKER. WITH TUBES 2/6SC7, 2/12SK7, 2/12K8Y, 12 SG7, 12SR7, 12C8 6Y6 AND 6K8. POWER REQUIRED 172 VDC 138 MA. 12 VOLT OPERATION POSSIBLE USING DM-40, 24V. W/DM-41 DYNAMOTORS (NOT INCLD.)



SIZE: 12x14x7; WT: 50 LBS. NOT CHECKED
PRICE: UNUSED \$34.50 USED \$24.50

RECEIVER 108-135 MC

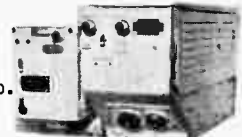


AIRCRAFT RADIO RECEIVER VHF 108 TO 135 MC AM, CONTINUOUS TUNING, NO DIAL ON RECEIVER DESIGNED FOR REMOTE USE, 15 MC. I.F. REQUIRES 24/28 VOLTS FOR FILAMENT AND 250 VDC 60 MA. HV. HAS FACILITY FOR MOUNTING DYNAMOTOR ON THE REAR SUCH AS D-1C/DM-32 WITH TUBES 3/9003, 1/9002, 2/14R7, 1/14A7, 1/14F7 & 1/12A6. HAS PHONE OUT PUT JACK ON THE FRONT ALSO INPUT & OUTPUT PL SIZE: 6x5x11; WT: 10 LBS.
R-15 RECEIVER NO SQUELCH USED \$16.95
R-509/ARC RECEIVER WITH SQUELCH, USED \$19.95
SPIN TUNING KNOB FOR LOCAL USE \$1.00
US-88/U COAX. CONN. FOR ANTENNA USED \$.30

VHF RECEIVER-TRANSMITTER

VHF TRANSMITTING AND RECEIVING EQUIPMENT AM 100 TO 156 MC.

CRYSTAL CONTROL ON 4 PRESELECTED CHANNELS IN THE RANGE SPECIFIED. R-28/ARC-5 RECEIVER (SHOWN ON THE LEFT) CRYSTALS ARE INSERTED IN THE FRONT OF THE SET BEHIND THE ACCESS DOOR, FREQ. DIAL AND SQUELCH ADJ. ARE ALSO ON THE FRONT. SELECTION OF CHANNEL IS DONE REMOTELY WITH THE USE OF THE C-30/ARC-5 CONTROL UNIT WHICH IS AVAILABLE SEPARATELY. WITH TUBES 4/7I7, 3/12SH7, 2/12SL7 & 12A6 VOLTAGES REQUIRED 24/28 VDC FOR RELAYS AND SELECTOR MOTOR ETC. 250 VDC & 60 MA. HIGH V. DM-32 DYNAMOTOR CAN BE USED ON THE REAR OF THE SET FOR THE HIGH VOLTAGE. (FOR VARIABLE TUNING SEE SURPLUS CONVERSION MANUAL VOLUME 111 PRICE \$3.50) SIZE: 14x7x4; WT: 16 LBS. USED \$18.95



T-23/ARC-5 TRANSMITTER (SHOWN TO THE RIGHT) THE OUTPUT OF THIS UNIT AS DESIGNED IS APPROX 10 WATTS HIGHER OUTPUT CAN BE OBTAINED AS IT HAS (2) TWO 832 TUBES AND TWO 1625'S. THE AUDIO POWER FOR MODULATING IS FURNISHED BY THE MD-7/ARC-5 MODULATOR WHICH IS AVAILABLE SEPARATELY. FREQ. CHANNEL SELECTION IS MADE BY USE OF THE C-30 CONTROL UNIT WHICH IS AVAILABLE SEPARATELY. VOLTAGES REQ. 24/28 VDC FOR RELAYS & SELECTOR MOTOR ETC. APPROX 600 VDC @ 175 MA F/HIGH V. SIZE: 15x8x5; WT: 15 LBS. RE-NEW \$24.95
MD-7 MODULATOR; PUSH-PULL MODULATOR DESCRIBED ON PAGE 4 OF OUR REGULAR CATALOG RE-NEW \$12.00
C-30/ARC-5 CONTROL UNIT PAGE 19 CATALOG \$1.00

RECEIVER



R-11A RECEIVER 190-550 KC ONE BAND, 85 KC IF FREQ. WITH TUBES 2/14A7, 1/14S7, 1/14R7, 1/14F7 & 1/12A6 (14 SERIES TUBES ARE LOCAL FILAMENTS ARE WIRED FOR 12-14 OR 24-28 VOLTS, HIGH VOLTAGE REQ. 250 VDC 60 MA. NO DIAL, DESIGNED FOR REMOTE USE BUT ITEMS LISTED BELOW CAN BE ADAPTED FOR LOCAL TUNING.

SIZE: 6x5x11; WT: 10 LBS. USED \$7.95
BC-473 CONTROL BOX FOR LOCAL USE WITH ADAPTER WITH SET \$3.00 OTHERWISE \$4.00
SPIN TUNING KNOB FOR LOCAL USE #6743 \$1.00

SCR-522 RADIO SET

100-156 MC

RECEIVER-TRANSMITTER AM, FOUR CHANNEL, CRYSTAL CONTROL, 30 WATT OUTPUT, 18 TUBES AS FOLLOWS: TRANSMITTER, 1/6SS7, 2/832, 3/12A6, 1/6G6, RECEIVER, 1/9002, 1/9003, 3/12A6, 1/12C6, 2/12AH7, 1/12H6 & 3/12SG7. BOTH UNITS CAN BE REMOVED FROM CASE SEPARATELY. OVERALL SIZE: 16 1/2 x 12 1/2 x 10-3/4" WT: 49 LBS. PRICE: USED \$29.95



RECEIVER CHASSIS ONLY, LESS CHANNEL SHIFTERS. PRICE, USED, WITH TUBES \$14.95 NO TUBES \$7.95

TRANSMITTER CHASSIS ONLY, LESS CHANNEL SHIFTERS. PRICE, USED WITH TUBES \$18.95 NO TUBES \$7.95

BC-602 CHANNEL SELECTOR CONTROL BOX WITH PUSH BUTTONS. BC-602B USED \$1.95 BC-602D NEW \$2.95

NOTE: FOR THE MICROPHONE & PHONE CIRCUITS JACKS CAN BE INSTALLED IN THE BC-602

JB-29 JUNCTION BOX NEW \$2.95
AN-104 ANTENNA, METAL COVERED WOOD NEW 1.95
PE-98 DYNAMOTOR 12 VOLT USED 9.95
PE-94 " 24 " " 4.95

PLUGS REQUIRED FOR THE EQUIPMENT

SCR-522 RECEIVER-TRANSMITTER REQUIRES THE FOLLOWING PLUGS, PL-173 TO ANTENNA, PL-169 TO DYNAMOTOR, PL-170 TO JB-29 JUNCTION BOX. \$1.50 EACH

BC-602 CONTROL BOX, REQUIRES FOLLOWING PLUGS, PL-169 TO JUNCTION BOX. \$1.50 EA.

PE-98 OR PE-94 DYNAMOTOR REQUIRES FOLLOWING PLUGS, PL-172 TO BATTERY, PL-171 TO RECEIVER-TRANSMITTER. \$1.50 EA.

JB-29 JUNCTION BOX, REQUIRES THE FOLLOWING PLUGS, PL-170 TO RECEIVER-TRANSMITTER PL-169 TO BC-602 CONTROL BOX. \$1.50 EA.

PD-5/ARA-19 TUNING DRIVE FOR AM-203B AMPLIFIER; PART OF ARN-6 RADIO COMPASS REMOTE TUNING SYSTEM. WITH DELCO PM MOTOR. SIZE: 4 1/2 x 2 x 4; WT: 5 LBS. USED \$9.95; PLUG F/PD-5 \$1.50

BC-733 RECEIVER 108.3-110.3 MC AM

AIRCRAFT RECEIVER USED FOR LOCATING RUNWAY ON LANDING FIELD DURING LANDING OPERATION SIGNALS RECEIVED BY RECEIVER FROM TRANSMITTER LOCATED ON RUNWAY ARE APPLIED TO CROSS-POINT INDICATORS IN THE AIRCRAFT AND SHOW IF PLANE IS OFF TO RIGHT OR LEFT OF RUNWAY. OPERATES ON SIX CRYSTAL CONTROL PRESET FREQ. COMPLETE WITH TEN TUBES: 1/12AH7, 2/12SG7, 3/717, 2/12SR7, 1/12SQ7 & 1/12A6. VOLTAGE REQUIRED; 24 VDC & 220 VDC 80 MA. WITH SCHEMATIC. SIZE: 13 1/2 x 5 x 7 WT: 17 LBS. PRICE: USED \$7.95

1-101C CROSS POINT INDICATOR, USED \$1.95
PL-257 PLUG TO FIT 1-101C 1.50

BC-732 CONTROL BOX USED \$1.95 NEW \$2.95
CABLE WITH PL-254 TO FIT BC-733 REC. AND PL-256 PLUG TO FIT BC-732 CONTROL BOX 3 FT. PRICE: \$4.95 PLUGS ONLY 1.50

DM-53 DYNAMOTOR 24 VOLT USED \$4.95 NEW \$6.95
DA-53 AZ " 12 " NEW 7.95
AS-27 RAMS HORN ANTENNA \$5.95
PL-284 TWIN COAX PLUG F/BC-733-AS-27 1.00

1-155-A TEST METER

1-155-A TEST METER

1-155-A TEST UNIT FOR BC-950-A TRANSMITTER. APPEARS TO BE SIMILAR TO TS-178/ARM-1 USED TO CHECK VOLTAGES AND CURRENT IN THE CIRCUITS OF ARC-3 EQUIPMENT. INCLUDES 3 1/2" ROUND 0-100 SCALE FS=1 MA 150 OHM RES. METER COUPLED TO A 7-POSITION SWITCH. CHECKS (1) OSC. GRID CURRENT, (2) ST H-G GRID CURRENT, (3) 2ND H-G GRID CURRENT, (4) RF AMP GRID CURRENT, (5) RF AMP CATHODE CURRENT, (6) HEATER VOLTAGE AND (7) PLATE VOLTAGE. WITH 4' CORD AND PL-152 PLUG. SIZE: 8x5x4 WT: 4 LBS. UNUSED \$7.95

ARC-3 100-156 MC

R-77/ARC-3 VHF AIRCRAFT TYPE AM RECEIVER, 8 CHANNEL CRYSTAL CONTROL ELECTRIC BAND CHANGE WITH TUBES 9001, 9002, 12A6, 12H6, 12SH7, 12SL7, 2/12SN7, 3/12SG7 & 6/6AK5. VOLTAGE REQUIRED 24 VDC & 210 VDC 125 MA. SIZE: 11x7x15. WT: 21 LBS. W/SCHEMATIC PRICE: R-77/ARC-3 USED \$24.50
R-5009/ARC-502 24 CHANNEL USED \$24.95
PL-153 PLUG FOR FRONT OF SET \$ 2.50

T-67/ARC-3 VHF AIRCRAFT TYPE TRANSMITTER AM, 8 CHANNEL CRYSTAL CONTROL ELECTRIC BAND CHANGE, WITH TUBES 2/832, 2/6L6, 1/6J5, 3/6V6 & 1/12SH7. VOLTAGE REQUIRED 24 VDC & 410 VDC 325 MA. SIZE: 15 1/2 x 7 1/2 x 12 1/2. WT: 21 LBS. PRICE: RE-NEW WITH TUBES ... \$29.50

JB-68 JUNCTION BOX FOR ARC-3 RADIO SET USED TO MOUNT DYNAMOTORS DY-22 FOR REC & DY-21 FOR TRANS. ALSO HAS CONNECTOR PLUGS TO HOOK UP REC, TRANS, CONTROL BOX & POWER, & RELAYS. SIZE: 10 1/2 x 3 1/2 x 8 1/2. WT: 7 LBS. PRICE USED... \$7.95
CONNECTOR PLUG FOR EACH FACILITY \$2.50 EACH

C-118/ARC-3 CONTROL BOX FOR RECEIVER AND TRANSMITTER. HAS EIGHT PUSH BUTTONS FOR CHANNEL SELECTION AND ONE FOR OFF. SIZE: 6x3x7 WT: 2 LBS. PRICE: \$4.95
CONNECTOR PLUG U-16/U 2.50

1E-36 TEST SET FOR SCR-522 REPRODUCES THE OPERATING FUNCTIONS OF THE CONTROL BOX & JACK BOXES OF THE RADIO BY PROVIDING HEADPHONE & MICROPHONE NECESSARY TO OPERATION AND TESTING. CONTROL UNIT BC-1303 PLUGS DIRECTLY INTO THE SCR-522 ALSO HAS PHANTOM ANTENNA & CORD, LAMP EXTRACTOR, ADAPTER PHONE CORD, INSTRUCTION BOOK AND CARRING CASE, 10x10x4; WT: 8 LBS. PRICE: NEW \$6.95

SCR-522 CABLES WITH PLUG ON ONE END AND LUG TERMINALS ON THE OTHER. EACH CABLE \$2.95
CX-58/VRC-1 PLQ-170 PLUG & LUGS, 36" LONG.
CX-60/VRC-1 PL-169 " " " 36" "
CX-62/VRC-1 PL-172 " " " 66" "

REMOTE READING MAGNESYN COMPASS SYSTEM AIRCRAFT TYPE. CONSISTS OF A MAGNESYN COMPASS THAT TRANSMITS TO A 3" INDICATOR THAT IS CALIBRATED IN DEGREES—N-S-E-W, AND IS OPERATED BY THE 12 VOLT DC INVERTER WHICH IS INCLUDED WITH THE SYSTEM. SHIPPING WEIGHT: 15 LBS. PRICE WITH TRANSMITTER, INDICATOR, INVERTER AND MANUAL.....\$39.95

R-316/ARR-26 RECEIVER 162.25 - 173.5 MC.FM NO COVER SUPPLIED
DESIGNED TO RECEIVE SONOBOUY SIGNALS ON 16 PRE-SET CHANNELS. WITH TUBES 1/6J6, 2/6AL5, 7/6AS7, 1/6AU6, 1/12AU7, 1/12AV7 & 7/6AK5. NO POWER SUPPLY. REQUIRES 280 VDC @ APPROX. 125 MA. AND FILAMENT VOLTAGES. OUTPUT OF THE SET USES A 12AU7 IN A CATHODE FOLLOWER CIRCUIT WHICH IS SUFFICIENT FOR HEAD SET. (SCHEMATIC AND CONVERSION INFORMATION FOR 145-175 MC SUPPLIED WILL INCLUDE ADDITION OF AUDIO, SQUELCH AND 115 VOLT 60 CYCLE POWER SUPPLY CIRCUITS.) SIZE 5x8x17; WT: 13 LBS. PRICE USED \$22.95

AMPLIFIER

AM-203B/ARA-19 AMPLIFIER; PART OF REMOTE TUNING SYSTEM AS USED WITH ARN-6 RADIO COMPASS WHICH PROVIDES AN ACCURATE MEANS OF TUNING SET ELECTRICALLY. OPERATES FROM 24 VDC. WITH 2/26A7 TUBES AND 1/12SN7 TUBE. SIZE: 5x6x4 1/2; WT: 6 LBS. PRICE: RE-NEW \$8.95

RECEIVER-TRANSMITTER

RT-178/ARC-27 RECEIVER-TRANSMITTER, AM 225 TO 399.9 MC ON 1750 CHANNELS 100 KC. APART ALSO A SEPARATE GUARD CHANNEL RECEIVER FOR OPERATION IN THE 238 TO 248 MC. BAND. REC/TRANS. CAN BE PRE-SET ON ANY 18 CHANNELS IN THE RANGE BY PROPER SELECTION OF CRYSTALS (CR-23) THE SET HAS PLUG-IN TYPE SUBASSEMBLIES CONSISTING OF GUARD REC, SPECTRUM AMPL, R.F. POWER AMPL, BIAS RELAY ASSY, MECH. DRIVE ASSY, MODULATOR, SPECTRUM OSCILL, MAIN REC. ASSY, I.F. AND AUDIO, 20-30 MC I.F. AMP. WITH CRYSTAL SEC. DYNAMOTOR AND BLOWER. POWER REQ. 27.5 VDC 25 A. UNIT COMES WITH 56 TUBES AND IS USED SERVICEABLE. SIZE: 27 1/2 x 11 1/2 x 12 1/2; WT: 85 LBS. \$75.00

GUARD RECEIVER AS USED IN RT-178/ARC-27, COVERS FREQ. OF 238 TO 248 MC. SINGLE CHANNEL WITH AUDIO OUTPUT IS COUPLED TO THE MAIN SET, DUAL CONVERSION 19.4 MC 1ST I.F. 3.45 FINAL I.F. WITH R.F. GAIN CONT. AND SQUELCH CIR. WITH TUBES 5/12AT7, 1/6AK5, 1/6AG5, 2/6BA6 & 2/6AL5. SIZE: 8x4 1/2 x 4; WT: 4 LBS. P/T# 504-9780-005 PRICE: USED \$7.95 STK#5821-505-3684

20-30 MC IF AMPLIFIER WITH CRYSTAL MOUNTING AND SELECTION SWITCH. THE CRYSTAL MOUNTING IS FOR 10 CR-23/U CRYSTAL HOLDERS, THE CRYSTAL SWITCH IS OPERATED IN CONJUNCTION WITH THE SLUG TUNED COILS AND A SCREWDRIVER IS USED FOR THIS PURPOSE. WITH TUBES 6/6AG5 AND 12AT7. #5821-505-3236 SIZE: 7 1/2 x 4 x 3 1/2; 4 LBS. USED \$6.95

I.F. AND AUDIO AMPLIFIER AS USED IN ARC-27. THE 5.7-4.8 MC I-F AMP. FOR THE RECEIVER AND TRANSMITTER ARE TWO SEPARATE SECTIONS WITH 3.45 MC I.F. TO THE DETECTOR AND AVC GATE ALSO SQUELCH/AUDIO AND AUDIO AM. SECTIONS. WITH TUBES 7/6BA6, 6/12AT7, 1/6AQ5 AND 2/6AL5. SIZE: 8 1/2 x 5 1/2 x 4; WT: 5 LBS. P/T#505-0317-036 PRICE: USED \$8.95

POWER AMPLIFIER FOR ARC-27 USING 2C39A OUTPUT TUBE DRIVEN BY A 2C39A WHICH IN TURN IS DRIVEN BY A 2C43. THE LATTER IS DRIVEN BY THE OUTPUT OF THE TRANS. PRE-AMPL. WHICH IS NOT PART OF THIS SUB-ASSY. WITH 2/2C39A AND 1/2C43 TUBES. STK#5821-553-4602 USED \$14.95 EACH OF THE ABOVE ARC-27 ARE PLUG-IN TYPES MATCHING CONNECTORS TO FIT ARC-27 PLUG-IN SUB-ASSEMBLIES ARE AVAILABLE AT \$1.00 EACH SCHEMATICS FOR ARC-27 SUB-ASSEMBLIES \$1 "

RADIO COMPASS

RA 101A/ARN 6 RADIO COMPASS WITH A FREQUENCY RANGE OF 100-1750 KC I FOUR BANDS. COMPLETE WITH TUBES 6/12SK7, 4/12SX7, 1/12SY7, 1/12SQ7, 2/26A7, 2/2050. OPERATES FROM 26.5VDC. WT. 35L SIZE: 11 1/2 x 7 1/2 x 15 1/2 PRICE: \$39.50
AS-313/ARN-6 LOOP ANTENNA WITH MOTOR AND AUTOSYN TRANSMITTER. USED WITH ARN-6 RADIO COMPASS. OPERATES FROM 26 VOLTS 400 CYC. SIZE: 10x11x5 WT. 15 LBS. PRICE: (AS ILLUSTRATED) USED \$7.95 ANNUAL FOR RA 101A/ARN-6.....\$5.00

1D-91 B/ARN-6 INDICATOR 0-360 DEG. 3 1/2" DIA. INDICATOR FOR ARN-6 RADIO COMPASS SYSTEM \$8.95

C-149 A/ARN-6 CONTROL BOX BOX CONTAINS THE FOLLOWING CONTROLS. OFF-COMP.-ANT.-LOOP; FUNCTION SWITCH, TUNING METER, LOOP L-R SWITCH, LIGHT CONTROL, DIAL BAND SWITCH, CONTROL SWITCH, TUNING CRANK, AUDIO CONTROL, CW- VOICE SWITCH. \$8.95

U. H. F. RECEIVER



R-48/TRC-8 RECEIVER
F.M. 230 TO 250 MC.
ONE BAND VARIABLE
TUNING, VOLTAGE RE-
QUIRED 115/230 60 CYC.
WITH SPEAKER, PHONE
JACK, SQUELCH CIRCUIT
2 1/2" METER FOR CIRCUIT
CHECKING. WITH TUBES 8/6AG7, 1/9002, 1/504, 1/
6V6, 1/VR-150, 1/6N7, 1/6SN7, 1/6AL7. SIZE: 20x
19x16; WT: 75 LBS. USED \$34.95

FM TRANSMITTER 70-100 MC



T-14/TRC-1 TRANSMITTER
F.M. 70 TO 100 MC 40 W.
115/230 V 60 CYCLE IN-
PUT. WITH TUBES 1/829,
4/6V6, 1/6SL7, 1/6SN7, 2/
6AC7, 1/816 & 5R4.
PHASE SHIFT MODULATION
-30 Kc., 2 1/2" METER FOR
MEASURING THE VOLTAGES
OF THE DIFFERENT STAGES

CRYSTAL CONTROL ON ONE CHANNEL IN THE RANGE.
SIZE: 16 1/2 x 10 x 12; WT: SHPG. 100 LBS.
PRICE: GOV'T RE-COND. \$49.50
AM-8/TRA-1 POWER AMPLIFIER SHOWN BELOW OF
THIS CATALOG CAN BE USED TO BOOST THE POWER
200 WATTS. PRICE: USED \$18.95 RE-COND \$24.95

POWER AMPLIFIER



AM 8/TRA-1 POWER AMPLIFIER
FOR 70-100 MC F.M. 200 WATT
WITH A RF INPUT OF 25 WATT
(APPROX.) IMPEDANCE 70 OHM
USES 2/4E27 TUBES IN CLASS
"C" PUSH-PULL TUNED PLATE
CIRCUIT AND 3/0D3 V.R TUBE
THE FILAMENT TRANSFORMER
5 V.C.T 15 A. IS SUPPLIED
IN THE UNIT, -100 VDC, 450 VDC @ 40 MA AND
2000 VDC 250 MA ARE ALSO REQUIRED BUT ARE NOT
IN THE UNIT. A 115 V. 60 CYCLE BLOWER IS ALSO
IN THE EQUIP. VAR. CAP. DUAL 5-50 & 7-35 MMF
SIZE: 16x10x12; WT: 55 LBS. IN CHEST 100 LBS
PRICE: LESS 4E27 TUBES, U \$18.50 RE-NEW \$24.50
WITH TWO (2) 4E27 TUBES \$10.00 EXTRA

TRANSMITTER



RCA ET-8019-A RADIOTELEGRAPH
TRANSMITTER SRT-4A AM-CW-MCW
2000 TO 22,140 KC IN FOUR BANDS,
200 WATTS, CRYSTAL OR MASTER OSC
ILLATOR CONTROL. WITH TUBES 1/
807 OSC. STAGE, 1/807 BUFFER AMP.
AND 2/813 IN POWER AMPLIFIER.
METERS (3 1/2") READ FIL. VOLTS,
GRID CURR. PLATE CURR. LARGE 3 1/2"
OSCILLATOR TUNING DIAL, PLUS ALL
THE CONTROLS YOU NEED FOR A GOOD
TRANSMITTER. POWER REQUIRED 1200
VOLTS DC @ 500 MA. PLUS VOLTAGES
REQ. FOR TUBE FILAMENTS.
TRANSMITTER SIZE WITH SHOCK MTG.
39" HIGH x 14 1/2" WIDE x 19 1/2" DEEP.
ACTUAL WEIGHT 135 LBS. SHPG 334 LB
PRICE: RE-NEW ORIG. BOX \$89.50
MANUAL 8.50

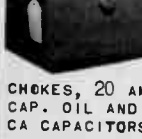
\$89.50



C-1192/SRT-4A CONTROL UNIT
FOR 115 VDC GENERATOR.
CONTAINS 3 INCH SQUARE METER
1.5 KILOVOLT D.C. SCALE.
DUAL RHEOSTAT 150 WATT EACH,
378 OHMS AND 585 OHMS, HEAVY
DUTY START-STOP SWITCH, 3/4
AMP. 3000 VOLT FUSE AND 12
POSITION TERMINAL STRIP IN A
METAL BOX HINGED SIZE 10 1/2 x 12 1/2
x 6 1/2; WT: 10 LBS. NEW \$10.00



SA-306/SRT-3A STARTER-MOTOR
GE-MAGNETIC CONTROLLER DC 115-V
CR 4052-Y1, CAT#6934846G11
WITH THERMAL HEATER CUTOUT,
810252, 11.1-11.8 AMPS. NEW
SIZE: 7x9x7; WT: 12 LBS. \$9.95



F-198/SRT-3A ELECTRICAL NOISE
SUPPRESSOR WITH
2-22 OHMITE RF
CHOKES, 20 AMPS, 2-.5 1000 V
CAP. OIL AND 2-.01 2500 V MI-
CA CAPACITORS. SIZE: 9x6x3 1/2; 5LBS. NEW \$4.95

VHF RECEIVER



BC-639 RECEIVER AM
100 TO 156 MC CONT-
INUOUS TUNING OVER
THE ENTIRE RANGE.
CONTROLS FOR CW,
TONE, AVC-MANUAL,
R.F. AUDIO GAIN,
ATTENUATION, SENSI-
TIVITY ETC. TUNING
METER, PHONE JACKS ETC. WITH TUBES 1/6SC7, 1/
6K6, 4/6SG7, 1/9002 & 3/9003.
SEPARATE RA-42 POWER SUPPLY THAT SUPPLIES ALL
THE REQUIRED VOLTAGES AND OPERATES FROM 115/
230 VOLT 60 CYC. BOTH UNITS ARE DESIGNED FOR
19" RACK MOUNTING. REC. 10 1/2" HIGH, P.S. 7" H.
SHPG. WT: 75 LBS.
PRICE: USED SERVICEABLE \$60.00 CHECKED \$75.00

METER, PHONE JACKS ETC. WITH TUBES 1/6SC7, 1/
6K6, 4/6SG7, 1/9002 & 3/9003.
SEPARATE RA-42 POWER SUPPLY THAT SUPPLIES ALL
THE REQUIRED VOLTAGES AND OPERATES FROM 115/
230 VOLT 60 CYC. BOTH UNITS ARE DESIGNED FOR
19" RACK MOUNTING. REC. 10 1/2" HIGH, P.S. 7" H.
SHPG. WT: 75 LBS.
PRICE: USED SERVICEABLE \$60.00 CHECKED \$75.00

U. H. F. RECEIVER



R-278 RECEIVER 225-399.9
MC, AM, CRYSTAL FREQ. CON-
TROL 1750 CHANNELS 0.1 MC
INTERVALS, 10 PRESET CHAN-
NELS, AUDIO FREQ. RESPON-
SIVE 200 TO 20,000 CYCLES
NARROW 200 TO 5000 CYCLES
AVC, SQUELCH, AIR COOLED,
POWER REQ. 115/230 V. 50-
60 CYCLE. UNITIZED CHASSIS, RACK MTG.
SIZE: 19x12 1/2x20; WT: 115 LBS. USED SERVICEABLE

PRICE: R-278 WITH FORTY-FOUR TUBES, LESS
GUARD CHANNEL USED \$125.00

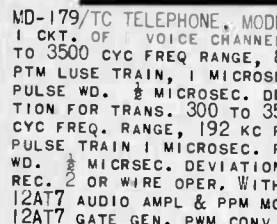
RINGER AND TELEPHONE



C-1 51/TC CONTROL
MONITOR WITH SUB-
CYCLE RINGER WITH
TELEPHONE HANDSET.
USED WITH TCC-13
MULTIPLEXER, AUDIO
FREQ. INPUT 1000 CY-
SINE-WAVE, AURAL
MONITORING.
SUB-CYCLE PUTS OUT
16-2/3 AND 20 CYCLE
FOR LINE RINGING. POWER REQ. FOR OPERATION OF
UNIT AND TELEPHONE SYSTEM 115 V. 50/60 CYCLE.
PUSH BUTTON SWITCHES FOR REC-SEND-TEL-MANUAL
OPERATION. TWO OR MORE UNITS CAN BE USED TO-
GETHER FOR SINGLE CIRCUIT TELEPHONE OPERATION.
RACK MTG. 19x10 1/2x23 1/2; WT: 60 LBS.
PRICE: USED SERVICEABLE EXCELLENT \$35.00

75 -- 110 VOLT 7.5 WATTS, 16-2/3 AND 20 CYCLE
FOR LINE RINGING. POWER REQ. FOR OPERATION OF
UNIT AND TELEPHONE SYSTEM 115 V. 50/60 CYCLE.
PUSH BUTTON SWITCHES FOR REC-SEND-TEL-MANUAL
OPERATION. TWO OR MORE UNITS CAN BE USED TO-
GETHER FOR SINGLE CIRCUIT TELEPHONE OPERATION.
RACK MTG. 19x10 1/2x23 1/2; WT: 60 LBS.
PRICE: USED SERVICEABLE EXCELLENT \$35.00

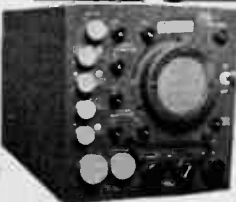
TELEPHONE MODEM



MD-179/TC TELEPHONE, MODEM,
1 CKT. OF VOICE CHANNEL 300
TO 3500 CYC FREQ RANGE, 8 KC
PTM LUSE TRAIN, 1 MICROSEC.
PULSE WD. 1/2 MICROSEC. DEVI-
ATION FOR TRANS. 300 TO 3500
CYC FREQ. RANGE, 192 KC PTM
PULSE TRAIN 1 MICROSEC. PULSE
WD. 1/2 MICROSEC. DEVIATION FOR
REC. 2 OR WIRE OPER. WITH TUBES
12AT7 AUDIO AMPL & PPM MOD.
12AT7 GATE GEN. PWM CONV. 12AT7
CLIPPER AMP. AUDIO AMPL. 12AT7 CLIPPER SHAP-
ER & MIXER, 12AT7 D-C AMPL. & RINGING RELAY
CONTROL. VOLTAGE REQUIRED 250 VDC AND 6.3 V.
WITH 4 POS. TEST SW.; AUDIO GAIN AND DELAY
PULSE POS. CONT. AND PWM AND PPM TEST JACKS.
ALSO 18 CONTACT CONTACTIAL CHASSIS CONNR. AND
MATCHING PLUG. P/O TCC-13 MULTIPLEXER SYSTEM
SIZE: 8 1/2 x 2 1/2 x 16; WT: 10 LB. EX-COND. \$4.95

MD-179/TC TELEPHONE, MODEM,
1 CKT. OF VOICE CHANNEL 300
TO 3500 CYC FREQ RANGE, 8 KC
PTM LUSE TRAIN, 1 MICROSEC.
PULSE WD. 1/2 MICROSEC. DEVI-
ATION FOR TRANS. 300 TO 3500
CYC FREQ. RANGE, 192 KC PTM
PULSE TRAIN 1 MICROSEC. PULSE
WD. 1/2 MICROSEC. DEVIATION FOR
REC. 2 OR WIRE OPER. WITH TUBES
12AT7 AUDIO AMPL & PPM MOD.
12AT7 GATE GEN. PWM CONV. 12AT7
CLIPPER AMP. AUDIO AMPL. 12AT7 CLIPPER SHAP-
ER & MIXER, 12AT7 D-C AMPL. & RINGING RELAY
CONTROL. VOLTAGE REQUIRED 250 VDC AND 6.3 V.
WITH 4 POS. TEST SW.; AUDIO GAIN AND DELAY
PULSE POS. CONT. AND PWM AND PPM TEST JACKS.
ALSO 18 CONTACT CONTACTIAL CHASSIS CONNR. AND
MATCHING PLUG. P/O TCC-13 MULTIPLEXER SYSTEM
SIZE: 8 1/2 x 2 1/2 x 16; WT: 10 LB. EX-COND. \$4.95

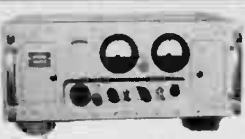
RANGE RADAR INDICATOR



ID-169/APN-12 INDICATOR
OSCILLOSCOPE; USED TO
DETERMINE RANGE OF RADAR
NAVIGATIONAL BEACON EQ-
UIPMENT WHEN USED WITH
RADAR REC-TRANS UNITS
FOR WHICH IT WAS DESIGN-
ED. HAS VERTICAL, FOCUS,
SWEEP, INTENSITY CONT-
ROLS ON FRONT PANEL.

MOTORIZED COAXIAL SWITCHING UNIT FOR ANTENNAS
WITH TUBES 1/3BP1, 2/6H6, 2/6SN7, 1/6G6, 1/6X5, 1/
2X2. POWER REQUIRED 115 VOLT 400 CYCLE AND 22
VOLTS DC. (TRANSFORMER OUTPUT VOLTAGE APPROX.
425 VOLTS.) SCHEMATIC ONLY \$1
SIZE: 10x8x22; WT: 30 LBS. GOV'T RE-COND \$14.95

RECEIVER 105 TO 190 MC



R-516/URR-27 RECEI-
VER UHF 105 TO 190
MHZ CONTINUOUS TUN-
ING OVER THE ENTIRE
RANGE WITH CRYSTAL
CONTROL ON ONE PRE-
SET FREQUENCY. AM,
MCW AND TONE RECEPTION. 18.6 MHZ IF WIDTH.
SCANNING PROVISIONS FOR PAN-ADAPTER 600 KHZ
BANDWIDTH. INPUT IMPEDANCE 51 OHMS; AUDIO
60 MW INTO 600 OHMS OR 600 MW INTO 60 OHMS;
PHONE JACK MAX. 60 MW INTO 600 OHMS. BENCH
OR RACK MOUNTING. POWER REQUIRED: 115 VOLT
60 HZ. SIZE: 3 1/2 x 17 1/2 x 19 1/2; WT: 65 LBS.
PRICE: USED, REPARABLE \$115.00, CHECKED \$150
NEW, CHECKED FOR OPERATION \$175.00

RECEIVER 225 TO 400 MHZ

AN/URR-35 UHF RECEIVER, SAME AS URR-27 EX-
CEPT 225 TO 400 MHZ.
PRICE: USED, REPARABLE \$75.00 CHECKED \$95.00



PP-638/U POWER SUPPLY; HIGH
VOLTAGE OUTPUT 1100 VDC @
320 MA AND 230 VDC @ 60 MA.
LOW VOLTAGE 6.3 VDC @ 5.2 A.
INPUT 115/230 VOLTS 60 CYCLE
660 WATTS. HAS TEST METER,
500 MA PLATE CURRENT AND 1.5
KILOVOLT METERS ALSO COOLING
BLOWER FOR UPPER COMPARTMENT
WHICH IS 15x9 1/2x8 1/2 INCHES.
UNIT WAS DESIGNED TO BE USED
WITH AM-494 AND AM-495 AMPLI-
FIERS. CABINET SIZE 31-5/8 H x 20 1/2 W x 24 1/2 D.
WT: 150 LBS. PRICE: USED \$75.00 RE-NEW \$100



BC-229 RECEIVER A.M. T.R.F.
201 TO 398 KHZ AND .2500 TO
4700 KHZ BY USE OF PLUG-IN
COILS SUPPLIED WITH THE RE-
CEIVER. WITH TUBES 37, 38,
& 4/39. POWER REQUIRED FOR
FILAMENTS 12 VOLTS, HIGH
VOLTAGE APPROX. 200 TO 250 VOLTS DC @ 80 MA.
SIZE: 16x8x7; WT: 15 LBS.
PRICE: UNUSED WITH TUBES AND COILS \$9.95
CONNECTOR PLUG (1) REQ. \$1.50 TUNING KNOB \$1.
A.C. POWER SUPPLY 115 VOLT 60 HZ WITH SPEA-
KER CONNECTING CABLE & PLUG. IN METAL CABINET
SWITCH, AND PILOT LIGHT. NEW \$21.95

CONTROL TRANS. TELETYPE



C-292/TRA-7 CONTROL
TRANSMITTER AND
TELETYPEWRITER; WHEN
USED IN RADIOTELETYPE
SYSTEM IT PROVIDES
FACILITIES FOR ESTABL-
ISHING FULL DUPLEX,
ONE-WAY REVERSIBLE,
EMERGENCY CW, OR FREQUENCY-SHIFT TRANSMISSION
OR RECEPTION. IT IS A REPEATER OF POLAR AND
NEUTRAL RTTY SIG. AND CONVERTS POLAR SIG. REC
FROM DUAL DEVERSTY CONVERTER INTO NEUTRAL TO
OPER. A REC. TELETYPEWRITER. IT ALSO TRANSLAT-
ES NEUTRAL SIG. FROM A SENDING UNIT INTO POLAR
SIG. FOR TRANS. OVER A WIRE LINE TO CONTRL
A FREQ. SHIFT EXCITER. WITH 16 TUBES.
POWER REQUIRED 115 VOLT 60 CYCLE.
SIZE: CHASSIS ONLY RACK MTG. 10 1/2 x 19 x 13. 60 LBS
PRICES: CHASSIS ONLY RACK MTG. USED \$19.95
WITH CABINET 21 1/2 x 12 1/2 x 17 1/2 (100LB) \$27.50
" " " 19 1/2 x 10 1/2 x 13 1/2 (90LB) \$24.75

C-292/TRA-7 CONTROL
TRANSMITTER AND
TELETYPEWRITER; WHEN
USED IN RADIOTELETYPE
SYSTEM IT PROVIDES
FACILITIES FOR ESTABL-
ISHING FULL DUPLEX,
ONE-WAY REVERSIBLE,
EMERGENCY CW, OR FREQUENCY-SHIFT TRANSMISSION
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A FREQ. SHIFT EXCITER. WITH 16 TUBES.
POWER REQUIRED 115 VOLT 60 CYCLE.
SIZE: CHASSIS ONLY RACK MTG. 10 1/2 x 19 x 13. 60 LBS
PRICES: CHASSIS ONLY RACK MTG. USED \$19.95
WITH CABINET 21 1/2 x 12 1/2 x 17 1/2 (100LB) \$27.50
" " " 19 1/2 x 10 1/2 x 13 1/2 (90LB) \$24.75



AUTO ALARM RECEIVER AR-8600X
FOR 500 KC DISTRESS FREQUENCY.
THE INTERNATIONAL AUTO ALARM SIG-
NAL CONSISTS OF A SERIES OF DASH-
ES FOUR SECONDS IN LENGTH, SEPA-
RATED BY SPACES HAVING A DURAT-
ION OF ONE SECOND. WHEN THE COR-
RECT SIGNAL IS RECEIVED IT WILL
ACTUATE THE WARNING BELL.
THIS RECEIVER-SELECTOR WAS DESIG-
NEQ FOR SHIPBOARD USE AND RE-
QUIRES 115 VDC 1.5 AMPS. FOR THE
PLATE, SCREEN, FILAMENT VOLTAGE ALSO 6 VDC FOR
THE BELL AND RELAY, MAX. 3 AMP. WITH TUBES
2/6K7, 1/6H6, 1/6A8 & 5/1611.W/ALARM BELL
SIZE: 26x14x11; SHPG. WT: 100 LBS. MANUAL \$7.50
PRICES: SERVICEABLE; USED \$50.00 UNUSED \$75.00



BD-71 SWITCHBOARD, PORTABLE SIX LINE HAND-RINGING MAGNETO TYPE USING FLASHLIGHT BATTERIES FOR OPERATION. REPEATING COILS ON TWO LINES FOR SIMPLEXING, DROP SIGNAL AND NIGHT CALL BELL. CAN BE USED WITH ANY MAGNETO TYPE TELEPHONES SUCH AS EE-8, RM-29, BD-72, 89, 91, 96, ETC. IDEAL FOR FACTORY, CAMP, FARM OR MOTEL. WITH CHESTSET MICROPHONE AND HEADSET; FOLDING LEGS. 18x12x14 WT: 75 LBS. USED \$14.95

EE-8 FIELD TELEPHONE, PORTABLE HAND-RINGING TYPE. CAN BE USED WITH ANY MAGNETO SWITCHBOARD SYSTEM LIKE BD-71, 72, 89, 91, 96 ETC. OPERATES FROM FLASHLIGHT BATTERIES UP TO 17 MILES. TWO OR MORE PHONES CAN BE OPERATED ON TWO WIRE LINES. WITH CARRYING CASE (CHOICE OF LEATHER OR CANVAS), STRAP, AND HANDSET. 8x10x3 1/2 WT: 18 LBS. RE-NEW \$24.95



USED EE-8'S, LEATHER, NYLON OR CANVAS CASE DEPENDING AVAILABILITY \$16.95



RL-158/PTA-1 REEL ASSEMBLY WITH 500 FEET OF WD-1/TT INFANTRY FIELD WIRE. 6 1/2" DIAMETER WITH 4" LONG SPRING-LOADED CRANK. DETACHABLE AXLE HAS 4" LONG X 1 1/2" DIA. HAND GRIP. WT: 10 LBS. PRICE: UNUSED \$10.00

WD-1/TT INFANTRY FIELD WIRE; TWO CONDUCTOR TWISTED PAIR WITH FOUR TINNED-COPPER AND THREE GALVANIZED STEEL STRANDS PER COND. NYLON JACKET MOISTURE AND FUNGI RESISTANCE. 1250 FOOT ROLL \$15.00, FOUR FOR \$50.00



WD-36/TT WIRE AND DISPENSER; CANADA WIRE AND CABLE COMPANY. TWIN, PARALLEL CONDUCTOR, NO. 23 WIRE WITH PLASTIC INSULATION. 2500 FOOT LENGTH. DISPENSER SIZE: 6 1/2" DIA. X 4". WT. 7 LBS. \$9.95



JB-70 JUNCTION BOX; USED WITH BC-610 TRANSMITTER. FRONT PANEL HAS SWITCHES AND CONTROLS FOR REMOTE USE OF TRANS. HAS AC OUTLETS BOTTOM & SIDE, 4 HEADSET & 2 KEY JACKS, MIC PLUG, 2 WAFER, 4 TOGGLE, LEVER & START/STOP SWITCHES, CIRCUIT BREAKER, CABLES ETC. SIZE 19x13x5 1/2; WT: 40 LBS. PRICE: USED \$9.95



A-202 CODE PRACTICE TELEGRAPH KEY WITH BUZZER AND CORD. ADJUSTABLE KEY WITH ADJUSTABLE BUZZER THAT WILL OPERATE FROM 9-12 VOLT D.C. MOUNTED ON BLACK BAKELITE BOARD WITH ENOUGH ROOM TO REST FIST, RUBBER FEET ON BOTTOM. KEY SIZE 4x1 1/2x1 1/2, BUZZER SIZE 1 1/2x1 1/2x3/4; BOARD 3 1/2x7 1/2; WT: 1 1/2 LB. PRICE: NEW \$1.50

A.F.C. UNIT



AUTOMATIC FREQ. CONTROL UNIT No. 600671; USED WITH FIRE CONTROL SYSTEM, WITH 16 TUBES 2/5829, 11/5703, 2/5702, 1/5784; EPDT SIGMA RELAY THAT WILL OPERATE FROM 14VDC 2.8 MA, SLUG TUNED COILS, RESISTORS, COND., ETC. (SO-RY. FREQ. NOT DETERMINED, NO SCHEMATIC.) SIZE: 4x8x6 WT: 5LBS. USED \$2.95



TS-164 FREQUENCY METER CASE EMPTY CASE USED TO HOUSE FREQ METER BC-221, CAN ALSO BE USED FOR SIMILAR TYPES, HINGED FRONT COVER FOR CALIBRATION BOOK, FRONT COMPARTMENT SIZE 9 1/2x7 1/2x7 1/2, REAR COMPARTMENT HAS 2 BALLAST TUBES AND VOLTAGE REGULATOR TUBE VR-105, REAR COMPARTMENT IS 2" DEEP. ALSO RELAY AND SHOCK-MOUNTING. SHPG. WT: 19 LB. NEW \$3.95



TA-1/PT TELEPHONE

SOUNDPOWERED TELEPHONE SET WITH AUDIBLE AND VISUAL CALL SYSTEM. PALM OPERATED GENERATOR PUTS OUT APPROX. 100 V. THAT SOUNDS BUZZER IN OTHER PHONE AND ACTUATES VISUAL INDICATOR. COILED CORD WITH PUSH TYPE ENDING POSTS FOR INTERCONNECTING WIRES TO BE FASTENED TO. COMES WITH FIBER CARRING CASE. SIZE: 8 1/2x5 1/2x3 1/2; WT: ACT 2LB USED \$29.50 PAIR 2



TA-43/PT TELEPHONE SET IS A RUGGED, LIGHTWEIGHT, WATERPROOF FIELD TELEPH. THAT CAN BE USED OUTDOORS ON A DESK OR WALL MOUNTED. HANDCRANK GENERATOR FOR PINGING BUZZER. REQUIRES 2 1/2 V BATT. FOR LOCAL USE NONE REQ. W/BB. LINT COMES IN A CANVAS CASE & SHOULDER STRAP WITH ZIPPER. SIZE: 12x7x4; WT: 10 LBS. USED \$29.50



MULTIPLY

PHILCO CST-2 SIGNALING AND TERMINATION UNIT. FOR USE IN MULTIPLEX SYSTEMS FOR TRANSMISSION OF DIAL OR PINGDOWN SIGNALING AND TERMINATION A FOUR WIRE CIRCUIT OF THE MULTIPLEX INTO A TWO WIRE TELEPHONE CIRCUIT. A 3.5 KC TONE IS USED FOR SIGNALING. ALSO HAS CONTROLS FOR PROPER ATTENUATION OF VOICE LEVEL. OPERATES FROM 115 V. 60 CYC. AND IS COMPLETE WITH 2/12AL7 TUBES, RELAYS, RACK MTC. 19x4 1/2x12; WT: 25 LBS. PRICE: UNUSED \$9.95



TG-34 KEYSER: CODE PRACTICE SET USED TO REPRODUCE SIGNALS PREVIOUSLY RECORDED ON INKED PAPER TAPE, VARIABLE SPEED MOTOR, KEYING OSCILLATOR WITH SPEAKER, PHONE & KEY JACKS. POWER REQUIRED 115 V. 50/60 CYCLE. SUPPLIED WITH ONLY ONE EMPTY REEL. (PHOTO SHOWS REEL OF TAPE AS ILLUSTRATION ONLY.) COMES IN WOOD PORTABLE CARRING CASE, SIZE 15x10x10; WT: 40 LBS.

PRICE: REPARABLE \$24.95 CHECKED... \$29.50

CODE PRACTICE TAPES: MADE ESPECIALLY FOR THE TG-34 KEYSER, SAME GROUPINGS AND SPEEDS AS USED BY THE GOV'T. NOT MOUNTED ON METAL REELS. FIFTEEN (15) TAPES TO SET. \$2 EA

#1 TO 4 COVER DIFFERENT GROUPS WIDE SPACE LETTERS	#9 12WPM CODED/GR	#10 12WPM TACT/MESS
#5 WIDE SPACE NUMBERS & LETTERS	#11 12 " " " "	#12 12 " " " "
#6 5WPM NUMBERS & LETTERS	#13 15 " " " "	#14 20 " " " "
#7 7WPM " " " "	#15 20 " " " "	
#8 10 " CODED GROUPS OF 5		

RM-52 REMOTE CONTROL UNIT (MACY'S PHONE PATCH) USED FOR RE-CONTROL OF RADIO SET, OPERATES FROM 4 FLASHLIGHT BATTERIES. HAS MULTI-TAP TRANSFORMER, MIC, PHONE HIGH/LOW IMPEDANCE & JACKS. BASIC UNIT FOR MAKING MACY'S PATCH. SIZE: 7 1/2x3 1/2x5 1/2; WT: 5 LBS. PRICE: USED \$1.95 NEW \$2.95



RM-53 REMOTE CONTROL UNIT; BASICLY THE SAME AS RM-52 ONLY IT HAS A 3 POSITION SWITCH AND CORDS WITH PL-55 AND PL-68 PLUGS. SIZE: 8 1/2x4 1/2x4 1/2; 6 LBS USED W/PLUGS & CORDS \$2.95



C-434/GRC CONTROL BOX USED WITH GRC-TYPE EQUIPMENT OVER TWO-WIRE TELEPHONE LINE. HANDCRANK MAGNETO GENERATOR FUNCTIONS AS A SINGLE PHASE 20 HZ RINGER. AUDIO CONNECTOR ON FRONT FOR USE WITH H-33/PT HANDSET. CONTROLS FOR LOCAL AND REMOTE USE, CALL LIGHT AND ALSO TWO 30" CORDS WITH UG-77 CONNECTORS IN THE REAR COMPARTMENT. INTERNAL SWITCH FOR BELL OR LAMP SIGNAL. WITH TWO SIGMS 80030 AND ONE GAC 21031 OCTAL RELAYS. (SEE PAGES 22 & 23 FOR SPECS.) UNIT USES TWO FLASHLIGHT BATTERIES. 10 1/2x8 1/2x3 1/2; WT: 12LB PRICE: UNUSED \$10.95 LESS RELAYS \$6.95



AUTOMATIC ELECTRIC RELAY ASSEMBLY; 12 A/E TYPE RT-379-A1 RELAYS, 48VDC .1 AMP OPERATING. 10 CONTACT ARRANG. #D-857697 AUTOMATIC LINE FINDER, RACK MOUNTING SIZE: 13 1/2x4 1/2x6 1/2; 12 LBS. PRICE: W/COVER N\$12.95

AUTOMATIC ELECTRIC SWITCH ASSEMBLY, COMBINED HOWLER AND BREAK-DOWN UNIT, 48 VDC, 4 DECK 26 CONTACT STEPPING SWITCH AND 5 RELAYS #D855332A RACK MOUNTING 13 1/2x4 1/2x6 1/2; 13 LBS. PRICE: W/COVER NEW \$10.95



STROWGER LINE FINDER AND RELAY UNIT, USED IN CENTRAL OFFICE DIAL TELEPHONE EXCHANGE. THIS THE HEART OF THE SYSTEM AND IT HAS THE TWO BANKS OF CONTACTS AND WIPER CONTACT ARMS SHPG. WT: 15 LBS. #D580070/40 RE-MOVED \$15



STROWGER LINE FINDER AND RELAYS (8) WITH 2 BANKS OF CONTACTS AND WIPER CONTACT ARMS. SHPG. WT: 20 LBS. D240593 REMOVED \$17

REPEATER DIAL PULSE; TWO WAY OPERATION 8 TO 12 PULSES PER SEC. 2800 OHMS MAX. LOOP RES. SHPG. WT: 10 LBS. #D857917 REMOVED \$9.95

REPEATER #D857917-A, REMOVED, \$9.95

TELETYPE PAPER

TELETYPE PAPER 8 1/2" WIDE, 4 1/2" DIAMETER. THREE SHEETS OF PAPER, TWO SHEETS CARBON. WT: 4 LBS. 75¢ PER ROLL/12 ROLLS \$8.00

TELETYPE PERFORATOR TAPE 11/16" WIDE APPROX. 900 FEET OILED, THREE ROLLS FOR \$1.00

RELAY TEST SET

USED \$16.95 RE-COND. 21.95

193 RELAY TEST SET USED FOR TESTING 255, 255A, D-163119A, D-164 816A POLAR RELAYS ETC. FOR BIAS AND SENSITIVITY. THE ELECTRICAL CHARACTERISTICS ARE DETERMINED BY THE DEFLECTIONS OF THE METER. ALSO CONTAINS CIRCUIT FOR SENDING PULSES FOR TESTING EXTERNAL TELEGRAPH CIRCUITS AND A 10-20 CYCLE OSCILLATOR FOR TESTING AND LINE-UP PURPOSES. OPERATES FROM 115/130 VDC 10 WATTS. (RA-87 RECTIFIER SHOWN ON PAGE 8 OF THIS CATALOG WILL OPERATE THIS EQUIPMENT SHIPPED IN WOOD CHEST 24x12x13; WT: 75 LBS.



TRANSMITTER SUB-ASSY. FILAMENT CHASSIS, PART OF AN/ALT-8 COUNTERMEASURES SET. CONSISTS OF CK927 FULL WAVE RECTIFIER, CK843 SILICON RECT., TWO CK846 SILICON RECT., MAGNETIC AMPLIFIER TRANS. FIL. TRANS. 115/400CYC. SEC. 6.3/6A. MINIATUR POTS. AND DPST RELAY ALL MOUNTED ON CHASSIS 7 1/2x3x3 1/2; WT: 3LBS. PART#2527-501-G1 PRICE: NEW \$1.95


TS-27 LINE TEST SET



TS-27 LINE TEST SET; PORTABLE UNIT USED TO MEASURE CONDUCTOR AND INSULATION RESISTANCE, LOCATE GROUNDS, SHORTS AND CROSSES. ALSO MEASURES CAPACITANCE AND LOCATES OPENS. WORKS AS A MODIFIED WHEATSTONE BRIDGE USING A SLIDE WIRE POTENTIOMETER FOR TWO VARIABLE RESISTANCE ARMS. RANGE: 0 TO 50 OHMS; CAPACITANCE RANGE: .075 TO 3.0 MFD. WITH GALANOMETER NULL METER (SENSITIVITY 1 UA PER DIVISION). CONNECTIONS FOR TELEPHONE, TEST CHARTS AND BRIEF INSTRUCTIONS INCLD. TEST LEADS NOT INCLD. BATTERY POWER REQUIRED: 90 VDC, 1.5 VDC, 4.5 VDC. BATTERIES NOT AVAILABLE. SIZE: 9x13 1/2x13 WT: 30 LBS.

PRICE: USED SERVICEABLE \$49.50

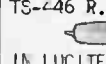
TRAILER LIGHTS BALANCING LOAD ASSY. USED FOR TAIL AND STOP LIGHTS. CONTAINS RESISTORS 1.1 40 WATT, 1.5 40 WATT, .6 & .8 OHM 70WATT SIZE 7x2x4; 3 LBS. MOPAR#B7015812 \$1.50



BUZZER 24/28 VOLTS D.C. IN SEALED CAN. TWO HOLE MTG. SIZE: 3x2x1 1/2; WT: 1 LB. #MH-12079 \$.75




TS-446 R.F. NEON INDICATOR
IN LUCITE PROBE, NE-2 BULB
SIZE: 4 1/2 x 3/4 w/CLIP \$1.00




GEARED MOTOR & POTENTIOMETER CONTROL. EASTERN AIR MOTOR J33D-24, 120 V. 400CY 1/50 H.P. CONNECTED TO GEARED ASSY TERMINATING TO SPLINED SHAFT RECEPTACLE, SMALL TYPE, THAT TURNS 45 RPM, ALSO GEARED TO TRIPLE GANGED PCTS. THAT TURN 1/5 RPM WITH INDICATOR, 2 POTS 1K OHM 1/200K. SIZE: 5 1/2 x 3 1/2 RD. WT: 3 LB. #7608155 REM \$3.



CRY BUTTONS REFLECTORS, CAN BE USED TO MAKE SIGNS OR MARKERS. SHINE WHEN LIGHT STRIKES 1/2" DIA. REQUIRES #10 NUT FOR MTG. NO. #15-1 CARD OF 100 \$2.00



MAGNETIC AMPLIFIER SENSING UNIT; THIS UNIT HAS 8 TERMINALS AND HAS MFG. BY MAGNETIC AMPLIFIERS INC. THE SPECS. WE DO NOT HAVE AVAILABLE. SIZE: 2x2x4; WT: 1LB. #MC-07079, 16 UNUSED \$1.50



TELEREGISTER READOUT
IMPLUSE COUNTER RACKET TYPE NUMBERED 1-2-3-4-5-6-7-8-9-0, OPERATES FROM 12 VOLT DC NUMEEF SIZE 3/8x1, MASK SIZE 1-3/8x1-7/8 LENGTH 4" WT: 1 LB. #TELEREGISTER K-1 PRICE: 79¢ EA. 2 FOR \$1.50

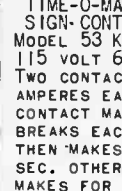


BRUSH SETS

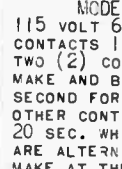
DY-12	DM-21	DM-25	DM-28	DM-32
DY-17	DM-33	DM-34	DM-35	DM-36
\$3.00	DM-37	DM-40	DM-41	DM-42
PER	DM-43	DM-45	DM-53	DM-64
SET	BD-83	BD-77	BD-93	BD-69
	PE-73	PE-86		
	DA-1A	DA-12	DA-14	DA-1F
	DY-21	DY-22		SP-125

OTHER TYPES ALSO AVAILABLE SET OF FOUR BRUSHES \$1.00


TIME-O-MATIC SIGN CONTROL MODEL 53 K-156
115 VOLT 60 CYC. TWO CONTACTS 15 AMPERES EACH, ONE CONTACT MAKES & BREAKS EACH SEC. THEN MAKES FOR 7 SEC. OTHER CONTACT MAKES FOR 11 SECONDS THEN BREAKS FOR 3 SECONDS JUST AFTER FIRST CONTACT FINISHES MAKING & BREAKING SIZE: 2x2 1/2 x 6; 3 LB. \$2.95



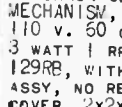
TIME-O-MATIC SIGN CONTROL MODEL 53 K-155
115 VOLT 60 CYCLE, THREE CONTACTS 15 AMPERES EACH, TWO (2) CONTACTS ALTERNATE MAKE AND BREAK ONCE PER SECOND FOR 15 SECONDS, OTHER CONTACT BREAKS FOR 20 SEC. WHILE THE OTHER 2 ARE ALTERNATING THEN ALL 3 MAKE AT THE SAME TIME. THEN CYCLE REPEATS AGAIN. SIZE: 3x5 1/2 x 6; 3 1/2 LBS. \$4.95



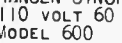
SYNCHRON CLOCK MECHANISM, No. 610
110 V. 60 CYC. 3 WATT 1 RPM MOTOR 143RA WITH GEAR ASSY WITH RESET. ALSO DUST COVER. SIZE: 3x3 1/2 x 2; 1 LB. #33-18-C1 \$1.75



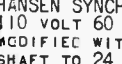
SYNCHRON CLOCK MECHANISM, No. 610
110 V. 60 CYCLE 3 WATT 1 RPM #EC-129RB, WITH GEAR ASSY, NO RESET OR COVER. 2x2x2 1/2; 4oz. \$1.35



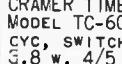
HANSEN SYNCHRON CLOCK MOTOR
110 VOLT 60 CYCLE ONE R.P.M MODEL 600 \$1.50



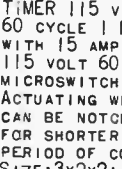
HANSEN SYNCHRON CLOCK MOTOR
110 VOLT 60 CYCLE 10 R.P.H. MODIFIED WITH SLEEVE OVER SHAFT TO 24 R.P.H. #A12-RC-12-62 \$1.50



GRAMER TIMER SWITCH ASSY. MODEL TC-60SEC, 230 V 60 CYC, SWITCH 5 AMP. CONT. 5.8 W. 4/5 RPM MOTOR. \$1.95




TIMER 115 VOLT 60 CYCLE 1 RPM WITH 15 AMP.
115 VOLT 60 CY MICROSWITCH. ACTUATING WHEEL CAN BE NOTCHED FOR SHORTER PERIOD OF CONTACT. SIZE: 3x2x2; WT: 3 OZ. HANSEN#04465 RE-MOVED \$2.95



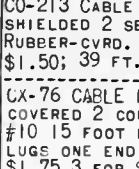
TIMER SPRING WOUND 360 DEGREES ONE HOUR, CAN BE TURNED ANY DEGREE & BELL WILL RING WHEN SPRING IS UNWOUND. SLOTTED & FLATENED SHAFT FOR KNOB. LUX#230
SIZE: 2 1/2 x 1 1/2; WT. 4 OZ. \$1.00



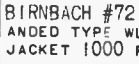
AS-207/CRT-3 ASSY
WITH 300 FOOT OF 16 STRAND BRAIDED CADMIUM ALLOY COPPER WIRE ON RL-48 REEL WITH CRANK MOUNTED TO ALUMINUM DOOR WITH ADJUSTABLE BRAKE AND SNAP SWIVEL USED AS ANTENNA FOR GIBSON GIRL TRANSMITTERS, WIRE IS ATTACHED TO BALOON OR KITE WHICH IS NOT SUPPLIED. SIZE: 4x2; 2 LBS. \$5.95




CO-213 CABLE 7 #20 SHIELDED 2 SEPARATE RUBBER-CVRD. 29 FT.
\$1.50; 39 FT. \$2.50



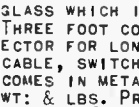
CX-76 CABLE RUBBER COVERED 2 CONDUCTOR #10 15 FOOT LENGTHS LUGS ONE END. 5 LBS.
\$1.75 3 FOR \$5.00




BIRNBACH #7218 SIZE 18 STRANDED TYPE WL. EXT. NYLON JACKET 1000 FT. REEL
\$5.00




ELECTRIC DEFROSTER
6 VOLTS D.C DEFROSTER FOR CAR OR TRUCK. USE TWO IN SERIES FOR 12 VDC. MOUNTS BY USE OF SUCTION CUPS, HAS FOUR WIRES RUNNING THROUGH GLASS WHICH IS 8"x16". THREE FOOT CORD WITH CONNECTOR FOR LONGER LENGTH CABLE, SWITCH FOR LDW & HI. COMES IN METAL STORAGE CASE WT: & LBS. PRICE: \$3.95



VERNIER SET ATC TIMER WITH 15 MIN. TIMING PERIOD.
SYNCHRONOUS MOTOR OPERATES FROM 230V 60 CYC AND HAS SPDT CONTACTS FOR CONTROL OF INDUSTRIAL EQUIPMENT. SIZE 6 1/2 x 5 1/2 x 3 1/2 WT. 5 LBS. PRICE \$9.95 NEW



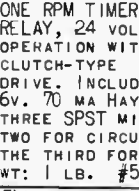
IMMERSION HEATER 24 VOLT AC/DC 50 W. WATTS
2 GALLON, 3" PRESS CAP, 4 1/2" SCREW CONE, 12" HEATING ROD & 5 FT. CORD. WT: 4 LBS. #LFCE48801 \$2.95



TIMER RELAYS
ONE FIFTH RPM TIMER RELAY VOLT 70 MA WITH HAYDON TIMER AND THREE SPOT MICROSWITCHES ROTATING CONTACT DISCS ARE VARIABLE FROM 0 TO 2 1/2 MINUTES IN CONTACT TIME. 4x3x2 1/2 WT: 1 LB. #5945-255-7144 PRICE: NEW \$5.95



ONE RPM TIMER RELAY, 24 VOLT OPERATION WITH CLUTCH-TYPE DRIVE. INCLUDES 6V. 70 MA HAYDON TIMER AND THREE SPST MICROSWITCHES, TWO FOR CIRCUIT CONTACT, THE THIRD FOR RESET. 5x2 1/2 x 3 WT: 1 LB. #5635 NEW \$5.95



BELL 1" GONG 3 VDC EDWARDS #13 LUNGEN SIZE 1, CHROME PLATE. USED WITH BD-71-72 SWITCHBOARDS.
SIZE 3/8x1x3; 2 OZ. #42416 59¢ 2/\$1



6/12 VDC BUZZER CHROME, 1 1/2 x 1 1/2; 2 OZ. J-3 59¢
PUSH-BUTTON SWITCH CHROME & BLACK, SINGLE HOLE MTG. NO. #J-3-PB 39¢



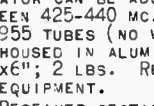
ALLIGATOR CLIP WITH PINCH SPIKE JAWS AND SCREW HOLDER FOR WIRE, 2" LONG.
12 FOR \$1.00



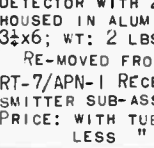
RADIO FREQUENCY SECTIONS TRANSMITTER - RECEIVER 418-462 MC PART OF R/T-7/APN1




TRANSMITTER SECTION OSCILLATOR CAN BE ADJUSTED BETWEEN 425-440 MC. WITH TWO 955 TUBES (NO WOBULATOR) HOUSED IN ALUMINUM CAN 2 1/2 x 3 x 6"; 2 LBS. RE-MOVED FROM EQUIPMENT.



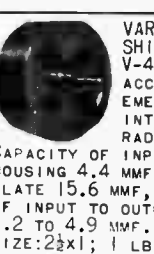
RECEIVER SECTION, BALANCED. DETECTOR WITH 2-9004 TUBES. HOUSED IN ALUMINUM CAN 2 1/2 x 3 x 6; WT: 2 LBS.
RE-MOVED FROM EQUIPMENT
RT-7/APN-1 RECEIVER OR TRANSMITTER SUB-ASSEMBLY
PRICE: WITH TUBES... \$1.50
LESS " " .75



BROADBAND TUNER 14 TO 50 MC VARIABLE CAPACITOR COUPLED TO VARIABLE INDUCTOR, AS CAPACITOR IS ROTATED, IRON SLUG IS MOVED IN AND OUT OF COIL. BALANCE OF ASSY. CONSISTS OF CERAMIC OCTAL SOCKET, RESISTORS AND CONDENSORS TO MAKE RF TUNER.
SIZE: 3x2x3; WT: 1LB. RT-45 TUNER ONLY \$1.95




VARIGON PHASE SHIFT CAPACITOR V-42. USED FOR ACCURATE MEASUREMENT OF TIME INTERVALS IN RADAR SYSTEMS.
CAPACITY OF INPUT PLATE TO HOUSING 4.4 MMF. OUTPUT PLATE 15.6 MMF. CAP. VAR. OF INPUT TO OUTPUT PLATE 1.2 TO 4.9 MMF. SIZE: 2 1/2 x 1; 1 LB. \$2.95



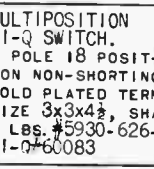
CAPACITY TUNER WITH AUTOTUNE 160 TO 211 MC WITH COND. RESISTORS 2/50-239 1/2C26 TUBE. 7x5 1/2 x 5 7 LBS.
WITH TUBE \$2.95




RT-58/ARC-12 CHANNEL SELECTOR AND MOTOR ASSY. 10 POSITION AUTOTUNE MOTOR DRIVEN 26.5 VDC WITH 2 SHAFTS 60 RPM ALSO RELAYS. 4x6x3 1/2 5 LB. #596C-1 \$2.95



MULTIPOSITION HI-Q SWITCH. 6 POLE 18 POSITION NON-SHORTING GOLD PLATED TERMINALS. SIZE 3x3x4 1/2, SHAFT 1 1/2 2 LBS. #5930-626-6224 HI-Q#60083 \$2.95



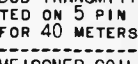
RATE-GYRO No. E511364 28 VOLTS D.C GYR MOTOR WITH POTENTIOMETER. WESTERN ELECTRIC GA-10147-3 SIZE: 2 1/2 x 2 1/2 x 4; WT: 3 LB. \$4.95



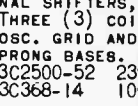
COMMAND RECEIVER COILS

85 KC	1.1 F.	\$1.50
1415 KC	1.1 F.	\$1.50
2830 KC	1.1 F.	\$1.50
1415 KC	OSC.	\$1.00
2830 KC	OSC.	\$1.50
3 TO 6 MC	RF	\$1.50
6 TO 9 MC	RF	\$1.50

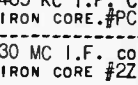
BUD TRANSMITTING COIL MOUNTED ON 5 PIN CERAMIC BASE FOR 40 METERS #3C804 \$1.00



MEISSNER COIL KIT FOR SIGNAL SHIFTERS, PLUG IN TYPE. THREE (3) COILS OSC. PLATE, OSC. GRID AND BUFFER, 5 & 6 PRONG BASES. SET OF 3 COILS 3C2500-52 2395-2835K \$1 3C368-14 1000-1170K \$1



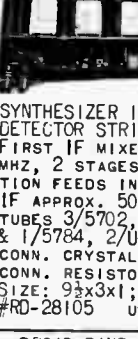
465 KC I.F. COIL SLUG TUNED IRON CORE. #PC77366-7 \$.75
30 MC I.F. COIL SLUG TUNED IRON CORE #2227943.8 \$.50



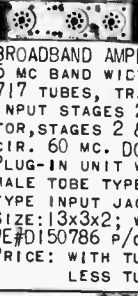
F.M. TUNER 88-108 MHZ THREE TRANSISTORS IN R.F. OSCILLATOR & MIXER STAGES 10.7 MHZ OUTPUT. MINATURE CONSTRUCTION BY LEAR CO. SIZE: 2 1/2 x 1 1/2 x 1; WT: 4 OZ. LEAR#604-236 USED \$1.00



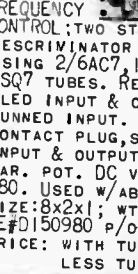
SYNTHESIZER I.F. & A.F.C DETECTOR STRIP ASSEMBLY. FIRST IF MIXER APPROX. 12 MHZ, 2 STAGES OF AMPLIFICATION FEEDS INTO MIXER WITH IF APPROX. 500 KHZ, WITH TUBES 3/5702, 1/5703, 1/5829 & 1/5784, 2/UG-1051 COAX. CONN. CRYSTAL SOCKET, INPUT CONN. RESISTORS, COND. ETC. SIZE: 9x3x1; WT: 3 LBS. #RD-28105 USED \$2.95



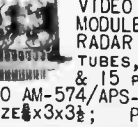
BROAD BAND AMPLIFIER BROADBAND AMPLIFIER 60 MC 5 MC BAND WIDTH USING 5-717 TUBES, TRANS. COUPLING INPUT STAGES 2 & 3 & DETECTOR, STAGES 2 & 4 TUNED CIR. 60 MC. DC VOLTS 280. PLUG-IN UNIT WITH OCTAL MALE TUBE TYPE BASE, SINGLE TYPE INPUT JACK. SIZE: 13x3x2; WT: 5 LBS. WE#D150786 P/O BC-1148 PRICE: WITH TUBES \$3.95 LESS TUBES \$1.95



AUTOMATIC FREQUENCY CONTROL; TWO STAGE AMPLIFIER DESCRIMINATOR & DC AMPLIF. USING 2/6AC7, 1/6H6 & 1/6SQ7 TUBES. RESISTANCE COUPLED INPUT & OUTPUT, SLUG TUNED INPUT. TUBE TYPE 8 CONTACT PLUG, SINGLE CONTACT INPUT & OUTPUT JACKS AND VAR. POT. DC VOLTAGE REQ. 280. USED W/ ABOVE UNIT. SIZE: 8x2x1; WT: 1 LB. WE#D150980 P/O BC-1148 PRICE: WITH TUBES \$3.95 LESS TUBES \$1.95



VIDEO AMPLIFIER MODULE FOR APS-44 RADAR WITH 3/5977 TUBES, RESISTORS & 15 PRONG PLUG. P/O AM-574/APS-44; 8 OZ. SIZE: 3x3x3 1/2; PRICE: \$1.00



DYNAMOTORS

TYPE	INPUT VOLTS	INPUT AMPS.	OUTPUT VOLTS	OUTPUT AMPS.	SIZE	WEIGHT	EQUIPMENT USED WITH	PRICES	
								USED	RE-NEW
DM-21	14	3.3	235	.090	6x5x3	8	BC-312	\$4.95	\$7.95
DM-28	27.9	1.25	220	.070	3x5x6	5 1/2	BC-348	4.95	
DM-25	12	2.2	250	.050	3x3x4 1/2	3	BC-367	2.95	4.95
DM-45	24	1.1	250	.050	3x3x4 1/2	3	BC-667	2.95	4.95
DM-34	14	2.8	220	.080	3x4 1/2 x 6 1/2	5	PC-603-683	2.95	4.95
DM-36	28	1.4	220	.080	3x4 1/2 x 6 1/2	5	RC-603-683	2.95	4.95
DM-41	28	1.7	172	.138	7x5 1/2 x 3 1/2	7	BC-652		
DM-42	12	39	515	.215					
			1030	.260	7x7x11	38	RC-653		
DM-43	24	19.5	515	.215					
			1030	.260	7x7x11	38	PC-653		9.95
DM-53AZ	14	2.8	220	.080	4x3x3 1/2	3	PC-733	2.95	4.95
DM-53	28	1.4	220	.080	4x3x3 1/2	3	PC-733	3.95	N
DM-32	28	1.1	250	.060	4x3x3x3	3	VARIOUS	2.95	4.95
DY-2/ARR-2	SAME AS ABOVE		DM-32 ONLY		IS A LATER NUMBER.				
35x032	14	2.2	250	.060	4x3x3x3	3	AS DM-32		4.95
DM-33	28	5	575	.160	6x3x3x3 1/2	6	RC-456	9.95	
DM-35	12.5	18.7	625	.225	8x4x4x4 1/2	13	VARIOUS		20.00
DM-37	25.5	9.2	625	.225	8x4x4x4 1/2	13	"		\$9.95
BD-69	14	2.8	220	.080	6x6x4 1/2	10	VARIOUS		3.95
BD-77	14	39.0	1000	.350	11x10x6 1/2	40	BC-191	\$14.95	\$19.95
BD-83	14	6.5	375	.150	6x5x4 1/2	10 1/2	SCR-183		7.95
BD-93	28	3.2	375	.150	6x5x4 1/2	10 1/2	SCR-283		4.95
PE-73	28	19	1000	.350	11x10x6 1/2	39	BC-375	WRITE F/PRICE	
PE-86	28	1.25	250	.060	5x5x3 1/2	3 1/2	VARIOUS	2.95	4.95
PE-94	28	10.5	300	.260	12x5x8	35	SCR-522	4.95	
			150	.010					
			14.5	5.0					
PE-94	SAME AS ABOVE		DYNAMOTOR ONLY						4.95
PE-98	14	21.0	300	.260	12x5x8	35	SCR-522	5.95	9.95
			150	.010					
PE-98	SAME AS ABOVE,		DYNAMOTOR ONLY, NO FILTER.		VOLTAGE REG. RELAY			3.95	5.95
PE-101	13/26	12/6	400	.135	14x4x7	15	BC-645	4.95	7.95
			800	.020			ABA		
			9 v 80cyc	1.12A					
PE-133	12	2.3	230	.090	4x7x6 1/2	1	BC-1003	4.95	6.95
DY-1	14	2.4	250	.060	3x3x4 1/2	3	VARIOUS		4.95
DY-2	28	1.2	250	.060	3x3x4 1/2	3	"	2.95	4.95
DY-9	26	4.3	360	.135	9x5x3 1/2	10	"		9.95
DY-10	13/26	4.3/8.7	"	"	"	11	"		12.95
DY-21	27	7.0	410	.325	7x3x3x3 1/2	9	T-67/ARC-3		7.95
DY-22	27	1.8	210	.125	3x3x3x6	5	R-77/"		4.95
DY-17A/ART-13A	EICOR ML-5023-1	SPECIAL							
DY-17	28	33	1190	.350	6x8x12	33	T-47A/ART-13	15.00	20.00
DY-17	27	32	410	.400	"		"		
DY-17	27	33	750	.350	"	30	"	12.95	
			400	.750					
DY-17	DYNAMOTOR ONLY		LESS FILTER BASE						6.95
DA-1A	28	1.6	230	.100	3x3x3x5 1/2	6	VARIOUS	3.95	6.95
DA-1F	25	14.8	540	.450	4x4x4x8	15	"		9.95
DA-12	12.5	29	540	.450	"	15	"		20.00
			"	"			"		
DA-14	14	3.3	230	.100	3x3x3x6	6	"	4.95	6.95
DA-19	28	11	400	.400	8x4x4x4 1/2	13	"	4.95	6.95
D-401	12	9.9	400	.180	4x4x7	10	T.C.S.		6.95
D-401SP	12	9.9	440	.200	"	10	TCS/CP	6.95	8.95
D-402	12	3.8	220	.100	3x3x5 1/2	3	T.C.S.		4.95
41S6	13	13.0	390	.225	8x4x4x4	10	VARIOUS		7.95
			250	.060					
377	14	8.0	425	.163	5x6x8 1/2	13	"	6.95	9.95
21772	12	3.0	235	.075	6x5x4	7	"		4.95
12B6534	24	1.75	300	.070	3x3x4 1/2	3	UNK		4.95
DMX310	12	2.8	150	.100	3x3x4 1/2	3	"		4.95
D101	27	1.75	285	.075	"	3	RT-7/APN-1	3.95	5.95
PM-0516	12/24	8/4	275	.110	7x4x3x3	6	MARK II #3		6.95
			WILL ALSO SUPPLY 12 V FROM 24 OR 24 V FROM 12 @ 3 AMP.						
VRC-2	5.5	31	600	.175	7x4x4 1/2	8	T-193		7.95
259K1003	24	7	405	.270	7x4x5	12	MOTOROLA		6.95
MA-2503	6	3.6	250	.030	3x5x3	6	BC-1323		4.95
DMF-519H	28	10	630	.500	8x4x4	10			14.95
DYA4223F	28	28	1000	.500	8x4x4	15			9.95
CARTER 633BS2B	12	25	650	.300	6x4x3 1/2	12	NEW MANUF.		20.00

INVERTERS



EICOR INVERTER X3516-1
 INPUT: 27.5 VDC @ 165 AMPS.
 OUTPUT: 115 VOLT 400 CYCLE
 2500 V.A 1 PHASE
 SIZE: 16x11x8; WT: 75 LBS.
 EXCELLENT COND. \$49.50

PE-2180 INVERTER
 INPUT: 25/28 VDC 80-90 AMP
 OUTPUT: 115 V 400 CYCLE
 13 AMP; 1 PHASE
 SIZE: 17x10x9; WT: 75 LBS.
 PRICE: UNUSED \$50.00

5D21NJ3A INVERTER
 INPUT: 27 VDC 35 AMPS.
 OUTPUT: 115 VAC 400 CYCLE
 1 PHASE 2.17 AMPS.
 SIZE: 9x6x5 1/2; WT: 25 LBS.
 USED \$16.95 UNUSED \$24.95

MG-149F INVERTER
 INPUT: 24 VDC 36 A. 750 VA.
 OUTPUT: 115 V. 400 CYCLE
 1 PHASE 500 VA & 26 V. 400
 CYCLE 1 PHASE 250 VA.
 SIZE: 12x8x8; WT: 25 LBS.
 PRICE: USED \$24.95

INVERTER
 INPUT 27.5VDC 60A
 OUTPUT 115 V 400 CY
 750 W 3 PHASE
 26 V 400 CY
 50 W 1 PHASE
 SIZE 11x10x6; WT: 40 LBS.
 LELAND #10285 USED \$34.95

LELAND MS-17404 INVERTER
 OUTPUT: 115/200-115V.
 400 CYC. 3 PHASE/1PHASE
 2500VA. INPUT: 28 VDC
 170 AMPS. SIZE: 12x7x10
 SHPG. WT: 60 LBS.
 PRICE: UNUSED \$75.00

INPUT: 24 VDC @ 75 AMPS.
OUTPUT: 115 V. 800 cyc.
 1 PHASE
 10.5 AMPS.
 WT: 35 LB.
 SIZE: 4x6x12.
 UNUSED \$14.95

GENERAL ELECTRIC AIRCRAFT
ENERGIZER #6PD265AB10
 INPUT: 220/440 VOLTS 41/20.5
 AMPS; 3 PHASE 60 CYCLE.
 OUTPUT: 14-35 V. REGULATED
 265 AMPS CONT. @ 28.5 VDC
 500 AMPS INTMT.; 3500 RPM
 SIZE: 32x18x10 1/2 SHPG. WT:
 670 LBS. UNUSED \$250.00

JACK & HEINTZ INVERTER
 #AN-3532-2 INPUT 27.5 VDC
 @ 20 AMPS. OUTPUT 115 VOLT
 400 CYCLE, 3 PHASE, 250VA
 VOLTAGE REGULATED.
 SIZE: 12x7x4 1/2; WT: 20 LBS.
 FED#6125-617-0967
 USED \$14.95 RE-COND. \$22.95



PU-143C/AL ROTARY CONVERTER
 INPUT: 24 VDC @ 27 AMPS DC
 OUTPUT: 115 VAC @ 4.3 AMPS
 60 HZ. .500 KVA. 1 PHASE.
 WITH 2 1/2" RD. 0-150 VAC ME-
 TER AND 0-130 VAC VARIAC.
 SIZE: 13x12x7 WT: 90 LBS.
 PRICE: \$59.50

VIBRATOR POWER SUPPLY, USED
 WITH AN/PIP-1A
 PUBLIC ADDRESS
 SYSTEM. INPUT:
 5.2 TO 6.2 DC
 VOLTS; OUTPUT: 300 VDC 60MA,
 50 VAC. SIZE: 4x3x2 1/2 3 LBS.
 #H17VD-11077 NEW \$9.95

PE-104 POWER CONVERTER.
 6 OR 12 VDC
 INPUT, OUTPUT
 90 VDC, 1 1/2 VDC AND -45 VDC.
 SIZE: 4x4x7; WT: 10 LBS.
 NEW \$3.95 W/EXTRA VIB. \$4.95

PP-855/PRC-14 VIBRATOR POWER SUPPLY
 WITH FILTER NETWORK
 6 VOLTS DC INPUT, 5.35 AMP
 OUTPUT 135 VDC @ 155 MA.
 SIZE: 7x2 1/2x2 1/2; WT: 3 LBS.
 NEW \$4.95

DUAL SIX VOLT D.C. VIBRATOR POWER SUPPLY.
 OUTPUT 540
 VDC @ 150 MA.
 CAN BE TAPPED
 AT 270 VDC.
 WITH 2/0Z4 TUBES.
 SIZE: 9x6x5; WT: 10 LBS.
 STK#3H6694-5 NEW \$7.95

PE-237 POWER SUPPLY FOR BC-1306 GRC-9

VIBRATOR TYPE WITH 1005 & 1006 TUBES ALSO VB-16 VIB. VOLTAGE REG. 6 OR 12 OR 24 VDC, OUTPUT 525 VDC @ 90MA 105 VDC @ 42 MA. 6.5 VDC @ 2 AMP, 6 VDC @ 500 MA. 1.3 VDC @ 450 MA. & 130 VDC @ 17 MA. SIZE: 10x10x17; WT: 85 LBS. RE-COND. \$19.95

PE-120 POWER SUPPLY FOR BC-659 BC-620 TRANS. RECEIVER. VIBRATOR TYPE VOLTAGE REGULATED.
 WITH TUBES
 VR-105/OB-3, 1005 & BALLAS
 VOLTAGE INPUT 6 OR 12 OR 24
 DC OUTPUT 145 @ 175 MA, 90
 @ 40 MA & 1.5 @ 75 AMP.
 SIZE: 4x13x15 1/2; WT: 30 LBS.
 RE-COND. \$7.95

PP-18 CONVERTER 12 VDC 4 AMP TO 24 VDC 1.5 AMP. PARALLEL FOR MORE CURRENT. WITH SPARE VIBRATOR & 3500 MFD. 25 VOLT CAP. ALSO PLUG SIZE: 6x5x8 1/2; WT: 10 LBS. NEW \$4.95

GENERATOR

GENERATOR G-24 AC-DC
 115 V. 800 cyc 10.5 AMPS.
 24 V. D.C. 60
 SPLINE SHAFT SIZE 7/8x1 1/2
 SIZE: 6x7x13; WT: 45 LBS.
 RE-COND. \$24.95



D.C. GENERATOR 30 V. 200 A. 4400 TO 8000 R.P.M. 2x1 1/2 IN SPLINED SHAFT, FLANGE MTG. SIZE: 10x6x8; WT: 36 LBS. GE#2CM637B RE-CONO. \$24.95



BENDIX GENERATOR 12 VOLTS D.C. 50 AMPS. SPLINED SHAFT 3/4x1 1/2, 6" FLANGE, 12 MOUNT. ING HOLES, 3500-4000 R.P.M. SIZE: 6x11; WT: 36 LBS. #R-86-EC310-27A NEW \$12.95



JACK & HEINTZ INVERTER #AN-3532-2 INPUT 27.5 VDC @ 20 AMPS. OUTPUT 115 VOLT 400 CYCLE, 3 PHASE, 250VA VOLTAGE REGULATED. SIZE: 12x7x4 1/2; WT: 20 LBS. FED#6125-617-0967 USED \$14.95 RE-COND. \$22.95

HARDWARE KIT: CONTAINS 50 CLAMPS OF 5 DIFFERENT SIZES 20 SCREWS, 5 TYPES, 15 WASHERS, 7 LUGS, 4 HEX. NUTS, 8 SPACERS. #RC298 5LB.75¢



RUBBER SHOCK MOUNTS
 4 LB. #4 \$.30
 6 " #6 .35
 10 " #10 .40
 12 " #12 .50
 16 " #16 .60
 24 " #24 .75
 35 " #5215 .75

OTHER TYPE MOUNTS AVAILABLE IN LIGHTER & HEAVIER. ADVISE NEED

TUBE SOCKETS

OCTAL CERAMIC 2 HOLE MTG. \$.25
 " " RING " .15
 " BLACK " " .15
 LOCTAL CERAMIC " " .20
 LOCTAL MICA 2 HOLE MTG. .15
 14 PIN MICA SMALL 1 1/2" MTG. .15
 4 PIN CERAMIC 2 HOLE MTG. .25
 5 " " RING " .29
 6 " " 2 HOLE " .29
 7 " " " " .29
 4 5/8 7/9 PIN WAFER " " EA. .10
 7/9 PIN MICA SMALL " " .20
 9 PIN CERAMIC " " .35
 METAL SHIELDS SMALL 7-9 " .10
 1625 AND 837 7 PIN LARGE .59
 829 CERAMIC SOCKET .75
 872 " " W/SHOULDER .75
 811/866 " " W/SHOULDER .75

GIANT 4 CONTACT CERAMIC FOR 872, 211 ETC. 3 3/8" RD. GE #ML7461594-G1 PRICE: USED \$.39

GIANT 4 CONTACT CERAMIC SOCKET FOR 715 718 ETC. 3 3/8" RE STR#Z27684.98 PRICE: NEW \$.50

TERMINAL STRIPS WITH CLIPPED WIRES
 PRICES: .15 .20 .25 .35
 3/4" WIDTH 50R6 70R9 12
 1" " 2 6 7
 1 1/2" " 20R3 50R6 9 12
 AMT. OF TERMINAL ABOVE

TELEPHONE TYPE TERMINAL STRIP
 1 1/2" WIDE 1/2" THICK, 32 TIE TERMINALS FOR WIRE SOLDERING AND NUTS FOR LUGS. WT: 1 LB #31-C \$1.50 SAME AS ABOVE 52 TER.#31-D \$2.50

BINDING POSTS
 7 ON A BAKELITE STRIP. THUMB SCREW TYPE TERMINALS. \$.35 EA. 3 FOR \$1.

OCTAL SOCKET EXTENDER, VECTOR NO 1262. PLUGS INTO ORIGINAL AND HAS BOLT THRU CENTER SO THE TWO CAN BE FASTENED TOGETHER #6625-684-1189 NEW 59¢ 2 FOR \$1!

SOCKET TURRET, OCTAL, VECTOR MODEL 8-0-9T. 2" TURRET, 3 TERMINALS IN TWO RINGS 1" APART. FITS 1" HOLE. 1" DIA. #5935-829-5819 \$.59 EA. 2/\$1.

SOCKET TURRET, 7 PIN MINATURE; 1 1/2" TURRET, 3/16" DIA.; 7 TERMINALS ON ONE RING. FITS 1/2" HOLE. #5935-578-9139 \$.59 EA. 2/\$1.

U-102/U ADAPTER TUBE SOCKET; VECTOR MODEL T-8-0. FITS STANDARD 8-PIN OCTAL. FLASH-OVER VOLTAGE 1500+ VDC. 1 1/2" x 1 1/2" #U-102/U \$.59 EA. 2/\$1.

Capacitors



MFD	VDC	SIZE	PRICE
24000	3	4x3	\$1.00
2000	15	1 1/2 x 4 1/2	.59
1000	50	1 1/2 x 4 1/2	.59
50	150	2 1/2 x 4 1/2	1.50
500	200	2x4	U 1.00
8	300	2 1/2 x 4 1/2	.50
4	400	2 1/2 x 4 1/2	.50
10	400	2 1/2 x 4 1/2	.75
2	600	2 1/2 x 4 1/2	.50
3	600	1 1/2 x 3 1/2	.50
4	600	3 1/2 x 2 1/2	.65
6	600	4 1/2 x 2 1/2	.75
7	600	4x4x2	.85
8	600	3 1/2 x 5 1/2	1.00
10	600	3 1/2 x 4 1/2	1.25
20	600	3 1/2 x 4 1/2	1.75
1	1000	1 1/2 x 2 1/2	.50
2	1000	1 1/2 x 4 1/2	.75
4	1000	2 1/2 x 4 1/2	1.00
8	1000	3 1/2 x 4 1/2	1.50
10	1000	3 1/2 x 4 1/2	1.75
15	1000	3 1/2 x 5 1/2	1.25
24	1000	3 1/2 x 6 1/2	3.75
2	1500	2 1/2 x 4 1/2	1.00
10	1500	3 1/2 x 4 1/2	3.00
3x1	1200	3 1/2 x 3 1/2	.75
1	1200	2 x 3 x 1	.50
.5	2000	2 1/2 x 1 1/2	.50
1	2000	2 x 3 x 1	1.00
.5	2500	2 1/2 x 1 1/2	.75
2	2500	2 1/2 x 4 1/2	1.75
.5	4000	2 1/2 x 4 1/2	1.00
2x.1	4500	3 1/2 x 3 1/2	1.00
2	4500	4 1/2 x 5 x 3	5.00

COMPUTER GRADE

MFD	VDC	SIZE	PRICE
25000	25	3x4 1/2	\$1.50
20000	30	3x4 1/2	1.95
25000	30	3x4 1/2	2.25
15000	35	3x4 1/2	2.50
7500	35	2 1/2 x 4 1/2	1.95
20000	40	3x5	2.50
30000	50	3x5 1/2	2.50
60000	50	3x5 1/2	3.00
8000	55	3x4 1/2	1.50
5000	75	2 1/2 x 4 1/2	2.50
8500	75	3x4 1/2	2.75
21000	100	3x5 1/2	3.00
1700	200	3 1/2 x 5 1/2	3.00
1000	450	2 1/2 x 5	2.00

HIGH VOLTAGE

14F496 1 MFD. 18,700 vdc \$25.00
 15x13x5, 75 LBS. \$25.00
 14F235 2 MFD. 10,000 vdc \$30.00
 13x13x5, 50 LBS. \$30.00
 C220150 1 MFD 20,000 vdc \$30.00
 11x13x4 1/2, 40 LBS. \$30.00
 120065-1 1.65 MFD 12,500 vdc \$12.00
 11x8x4, 40 LBS. \$12.00
 7595 1.375 MFD 16kvdc. 750 MFD 3kvdc, 7x9x5:25LBS \$10.

AC CAPACITORS

MFD	VAC	SIZE	PRICE
5	220	3 1/2 x 1 x 4	1.50
40	220	4 1/2 x 4 x 2 1/2	2.00
50	230	4 1/2 x 6 x 3 1/2	5.95

ABOVE ITEM IKVA 3 PHASE

3	330	1 1/2 x 3 1/2 x 1	.50
7	330	3 1/2 x 3 1/2 x 1 1/2	.75
6	660	3 1/2 x 3 1/2 x 2 1/2	1.00
10	440	4 1/2 x 7 1/2 x 4	2.00
3	660	3 1/2 x 3 1/2 x 1 1/2	1.00
4	660	3 1/2 x 4 1/2 x 1 1/2	1.25

MFD	V.A.C	SIZE	PRICE
10	370	1 1/2 x 6 RD	1.00
10	236	2 1/2 x 2 x 2 1/2	.50
4	470	2 1/2 x 2 x 1 1/2	.35

ABOVE MOTOR TYPE

25	330	3 1/2 x 4 1/2 x 3	2.95
15	440	3 1/2 x 4 1/2 x 2	2.95

MOTOR CAPACITOR, WESTINGHOUSE STYLE #773298, WIRING FOR CCW AND CW. SIZE: 6x5 1/2 x 3 1/2; 8LB. \$4.95



ROTARY SELENOID SELECTOR, 11 POSITION, 5 DECK NON-SHORTING, ONE DECK SHORTING. 24 VOLT D.C. SIZE: 5 1/2 x 1 1/2 WT: 1LB #5930-084-0908 \$2.50



LELEX ROTARY SELENOID SELECTOR, 12 POSITION. TWO DECK 11 PDS. NORM. CLOSED, OTHER OPEN OR DEAD ONE DECK SHORTING, THE OTHER NON-SHORTING. 24VOLT 1.5 AMP. 3" L X 1 1/2" DIA. 1/2 LB. #5945-074-3953 NEW \$1.95

GE CERAMIC POWER SWITCHES 2 DECK 3 POSITION 2x5 IN. GE #P42J198-1 G1/394 \$1.95

GE HEAVY DUTY CERAMIC, TWO DECK 4 BREAK 3 MAKE, 2x4" #ML7464910-G1/407 \$1.95
 GE HEAVY DUTY CERAMIC, TWO DECK 3 POSITION, 3x4 1/2" #ML7762999-G1/397 \$1.95

ROTARY SWITCH; ONE POLE 12 POSITION NO STOP, TEFLON TYPE WAFER 1 1/2" DIAMETER #AB-6422 75¢

ROTARY SWITCH CERAMIC WAFERS, 2 DECK 4 POSITION, 2" DIAMETER. #C-87/S-602 75¢ EACH.

SWITCH ROTARY, 2 DECK 2 POS 4 CIRCUIT EA. DECK. 1 1/2" x 1 1/2" 3Z9825-66.13 \$.50

SWITCH ROTARY, 5 DECK, 8 POS. ONE CIRCUIT. SIZE 2x3 1/2". MORRISON RE-MOVED #58 \$.75

ROTARY SWITCH, SINGLE GANG 4 CIRCUIT WITH 2 CONTACTS FOR EACH. DIA. 1 1/2" x 1". 3Z9827.34 59¢ 2 FOR \$1.00

ROTARY SWITCH SINGLE 17 CONTACT DECK, ONE TIE DECK DIA. 2 1/2" LANS. SW-942-249 75¢ EACH 2 FOR \$1.25

ROTARY ACTUATOR WILL OPERATE FROM 12-28 VDC, 12 POS ITION, 30 DEGREES EA. 2 1/2" SHAFT AND RODS FOR MOUNTING WAFFER SWITCHES. MOUNTING 2 1/2 x 3 1/2" H. WT: 1 LB. #MX167869G1 \$1.50

SWITCH ROTARY, BAKELITE WAFER 11 POSITION; 4 DECKS NON-SHORTING, 5 DECKS SHORTING. VARIABLE STOP. SIZE: 8x2 #5930-678-2369 \$2.95

ROTARY SWITCH, BAKELITE WAFER; 2 DECK, 5 POSITION, 1 POLE MOMENTARY 5 POS. 2x2 x 2 SW-145 39¢ EA 3/\$1.00

ROTARY SWITCH BAKELITE WAFER, 8 POS., 3 DECK; ONE DECK NON-SHORTING. 3x2x2. #3Z9825-75.4 NEW \$1.00

Kits \$1.00

DISC CERAMIC CONDENSERS 33 ASST. 15MMP-.61MFD. Good Value \$1.00 a KIT

TUBULAR CONDENSER 50 ASST. .00025 to .1 200 to 60C V \$1.00 a KIT

MICA CONDENSERS 25 ASST. 10 MMPD To 6800 MMFD. \$1.00 a KIT

TRIMMER CONDENSERS 25 ASST. 3 to 280MPPF WIDE RANGE \$1.00 KIT.

RESISTORS INSULATED 50 ASST. 1/2, 1 & 2 Watt wide range of good values 50 ASSORTED \$1.00

RESISTORS WIREWOUND 25 ASST. 5 to 20 Watt Wide range of values some tapped. 25 ASST \$1.00

VOLUME CONTROLS 10 ASST. Popular Values \$1.00

TUBE SOCKETS 20 ASST. Octals Locals Minatures Wafers etc \$1.00

PILOT LIGHT SOCKETS 25 ASST Bayonet Screw etc. \$1.00

TERMINAL STRIPS, Tie Lug strips, ASST types. 25 for \$1.00

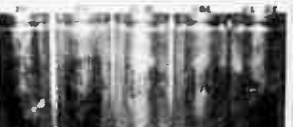
TERMINAL LUGS, ring spade, crimp types. Wide variety of sizes for all uses in clear plastic box, Approx 200 PCS \$1.00

ROTARY SWITCHES BRAND NEW ORDER NOW 6 for \$1.00

BATHUS CONDENSER KIT 1 MFD. to 1. MFD. up to 600 Vdc. 10 for \$1.00

HARDWARE KIT NUTS, WASHERS SCREWS, RIVET GROMMETS ETC. 1 1/2 LBS. \$1.00

COMPUTER GRADE



COMPUTER GRADE CAPACITORS OUT OF EQUIPMENT GUARANTEE

MFD	VDC	SIZE	PRICE
900	165	2x4 RD	\$1.25
500	275	2x4 RD	1.25
350	330	2x4 RD	1.25
1400	99	2x4 RD	1.25

LOTS OF 6 \$1.00 EACH.

20000 11 2x4 RD .75
 10000 16.5 2x4 RD .75
 4000 33 2x4 RD .75
 3500 52.8 2x4 RD .75
 LOTS OF SIX 60¢ EACH.

HIGH CAPACITY

60000 MFD 50 VDC

3042182, SIZE 3x5, 2 LBS. PRICE: \$3.00 EA. 2 FOR \$5

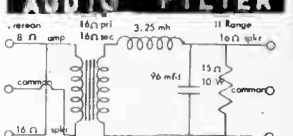
21000 MFD 100 DC

3042200, SIZE 3x5, 2 LBS. PRICE: \$3.00 EA. 2 FOR \$5

1000 MFD 450VDC

SIZE 2x5, 2 LBS. # D34905 PRICE: \$2.00 EA. 3 FOR \$5

AUDIO FILTER



ELECTRO-VOICE FILTER EVXX3

IS A AUDIO FREQ. FILTER THROUGH WHICH TWO AUDIO AMPLIFIERS CAN BE CONNECTED TO 2 SPEAKER SYSTEMS. ALL BASS FREQ. BELOW 300 CPS ARE PASSED TO ONE SIDE OF THE SYSTEM WHILE THE HIGHER FREQ. ARE PASSED WITHOUT CHANGE TO BOTH SYSTEMS. IN A STEREO SYSTEM THIS ELIMINATES THE NEED FOR 2 FULL RANGE SYSTEMS. CAN ALSO BE ADAPTED TO OTHER USES. #EVXX3F 5 1/2 x 4 1/2 x 5 1/2; 8 LBS. NEW \$2.95

HEAVY DUTY TAP SWITCH 6 POSITION

4 HOLE MOUNTING SIZE: 2 1/2 x 2 1/2 x 1 1/2 STR#3Z9674-2 \$2.50

ANTENNA CIRCUIT SWITCH

100 WATT 3/4 MAKE 3/BREAK AK SIZE: 4 1/2 x 2 1/2 IN. #3Z9626 \$2.50

25 Precision Resistor Ass't




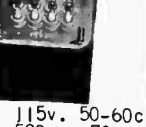


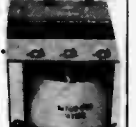


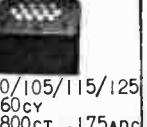


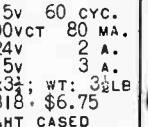
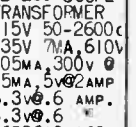


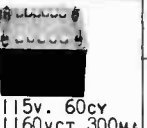



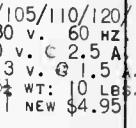


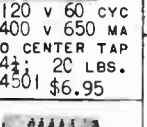
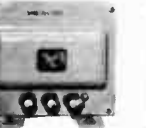


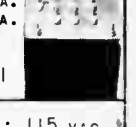

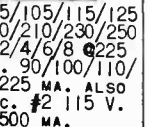

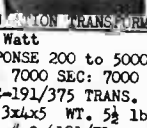
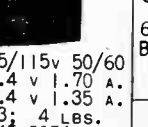




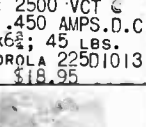

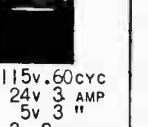
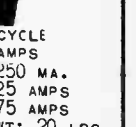
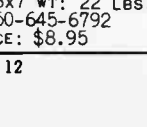
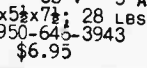

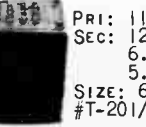
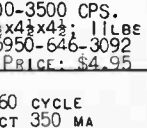
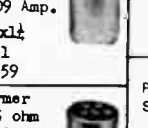

WIRE WOUND OR CARBON 1% OR BETTER GOOD VALUES. \$1.00 50 TINY CAPACITORS SELECTED TINY ASST PAPER & CERAMIC X GOOD VALUES. \$1.00

WIRE ASSORTMENT

SIX 25 FT. COILS FULLY INSULATED STANDARD SIZES TINNED COPPER ASST. COLORS \$1.00

MINIMUM ORDER \$3.00

Power Transformer Filament Modulation Microphone Chokes

 <p>PRI: 115v. 45-65 CY SEC: 40/20v. 20ADC FULL WAVE RECT 40v. 2.15 ADC 24.5v 1.04 ADC 117v. .050 ADC 14.2v .40 ADC BRIDGE RECTIFIED. 3x4x3 WT: 10 LBS. #5950-730-9807 PRICE: \$6.95</p>	 <p>PRI: 110v 60CYC-2 PRI: 220v 60CYC-3 SEC: 6.3v .9A 4-5 6.3v .3A 6-7 24v .9A 8-9 500VCT 35MA TERMINALS 10-12 CT TER. 11 WT. 4L 3x3x3 #M-13-317 A TO D. \$1.95</p>	 <p>PRI: 90 v 60cyc SEC: 6400 v. 2 APPROX. 50 MA. 5x6x6; WT: 15 LBS #D-128-3553 \$14.95</p>	 <p>PRI: 115v. 50-60C SEC: 580vct 70 MA 6.3 " 1.5 A. 5.0 " 2.0 " TEST VOLTS 1750 3x3x3; 6 LBS. #5950-648-6862 \$3.95</p>	 <p>MODULATION TRANSFORMER Watts 20 Response Response 200-5000-1DB Pri. 2 6000 SEC. 2 6000 Collins #677-2010-00 Size 2x2x3 WT. 3.1 lbs Stock# 229634.53 Price \$2.95</p>	 <p>PRI: 120v. 60 cyc. SEC: 550-0-550v. 0.18 A. 2000w. 4x7x5 WT: 18LBS #5950-518-2621 PRICE: \$7.95</p>	 <p>PRI: 115v 60cyc SEC: 200vct 2 A. 4x3x4; 8 LBS #1FX46-16 \$4.95</p>
 <p>PRI: 115 v 60 cyc. SEC: 1080 CT. 1.42 MA. 6.3 1 AMP. 6.3 2 AMP. 5 3 AMP. Size 5x5x5 WT. 14 lbs Stock # 229613.52 PRICE: \$3.95</p>	 <p>DC POWER SUPPLY PRI: 115v 60 HZ SEC: -800v @ .25-1 MA +120v @ 15 MA +24v @ 1.2 +16v @ .45 4x4x9 WT: 15 LBS. GE9T63Y228CG03 PRICE: \$14.95</p>	 <p>PRI: 0/105/115/125 60cy SEC: 800ct .175ADC 5.0v 2A. 6.3v. 15A. 6.3v. 10A. 6x5x4 18LBS. #647-5309 \$4.95</p>	 <p>PRI: 50v. 1000cy SEC: 6.3v. 10A. 950ct. 200MA 6.3v. 1.5A 6.3v. 0.5A 5x5x4 18 LBS. #5950-581-9421 \$8.95</p>	 <p>TEKTRONIX # 310 OSCILLOSCOPES P/N 20-0058-00 PRI: 117 v. 50 to 800CYC SEC: 205v 120 MA. 135v 150 " " 205v 75 " " 6.3v 3 AMP 6.3v 4 " " 6.3v 6.2 " " 6.3v 0.6 " " 6.3v 0.6 " " 4x3x3; 8 LBS. 5950-688-6598 \$9.95</p>	 <p>PRI: 115v 60 cyc. SEC: 500vct 80 MA. 24v 2 A. 5v 3 A. 2x2x3; WT: 3.2 LB FAIR-818 \$6.75 UPRIGHT CASED BUILT FOR COMMAND REC, BC-603, 683 ETC.</p>	 <p>TS-239 SCOPE TRANSFORMER 115V 50-260V 735V MA 610V 205MA 300V @ 75MA 5V @ 2AMP 6.3V @ 6 AMP. 6.3V @ 6 V. #229619.168 SIZE: 3x3x3; 7LBS. \$9.95</p>
 <p>PRI: 115v 60cy SEC: 6.3v @ 2.8A. 6.3v @ 1.2A. 880CT 130MA 6.3v @ 3.44A 7.7v @ 1.64A 5x4x3 13LBS. #5950-295-7190 \$4.95</p>	 <p>PRI: 105-125 VOLT 50 - 60 CYCLE SEC: 950-0-950 .200 AMP. DC 6x5x4; 20 LBS 482-0897 \$12.95</p>	 <p>PRI: 115v. 60cy SEC: 1160vct 300MA 745vct 250MA 625vct 250MA 6x5x5 25 LBS. #646-1497 \$12.95</p>	 <p>PRI: 115v 60 cyc SEC: 1080vct 226MA 6x5x4; 15 LBS. #5950-762-9822 \$6.95</p>	 <p>MODULATION TRANSFORMER WATTS: 40 RES. IMPED. PRI: 113 OHM 5700 SEC: 72 " 2280 FOR 2/807 TUBES 3x2x3 WT: 3LBS #2ZK9634.21 PRICE: \$3.95</p>	 <p>PRI: 115v 60 cyc. SEC: 28 v 10 AMP 3x3x3; WT: 8 LB #AR-001165 \$4.95</p>	 <p>PRI: 0/105/110/120V 130 v. 60 HZ SEC: 40 v. C 2.5 A. 6.3 v. @ 1.5 A. 3x3x3 WT: 10 LBS. #43278-1 NEW \$4.95</p>
 <p>PRI: 115v 60cy SEC: 5.0v @ 2.0A. 5.0v @ 2.0A. 6.3v @ 0.6A. 6.3v @ 6.0A. 400VAC 120MA 4x3x3 9 LBS. #5950-646-4053 \$3.95</p>	 <p>POTENTIAL TRANS PRI: 1/2/4/10/20/ 40/100/200/40 0/1000/2000 V SEC: 40 v 100 MA. 6x7x4; WT: 20 LB ESPEY #1-4 16,271 \$5.95</p>	 <p>PRI: 120 v 60 cyc SEC: 400 v 650 MA NO CENTER TAP 5x5x4; 20 LBS #051-4501 \$6.95</p>	 <p>PRI: 110/115/120v. 50-60 CYCLES SEC: 3500vct. .230 A. 8x7x8 WT: 65LBS #5950-715-9350 PRICE: \$19.95</p>	 <p>MODULATION TRANSFORMER 100 Watt RESPONSE 200 to 5000 PRI: 7000 SEC: 7000 F/BC-191/375 TRANS. size 3x4x5 WT. 5 1/2 lbs. stock # 2c6191/T1 Price \$3.95</p>	 <p>PRI: 115 v 60 cyc SEC: 12 v 2 AMP. 2x3x2; WT: 1 1/2 LBS EF-424 \$1.50</p>	 <p>PRI: 115 VAC 60 HZ. SEC: 1800 v. @ 300 MA TAPPED AT 400V 4x4x4; 12 LB AB-6950 \$9.95</p>
 <p>PRI: 120v. 60 cyc. SEC: 5.4/2.7v 15A 5.0/2.5v 15A TAKES COM TUBE; W/ 5/8"x3" DIA. INSULATOR 5x5x7 WT: 15 LBS. #5950-553-5572 PRICE: \$6.95</p>	 <p>PRI: 115 v. 60 CY SEC: 1540 CT. 166A 1230 CT. 257A BOTH VOLTAGES ONE WINDING 5.1 4.5A 6.5 4.0A 6.5 .5A 7x6x6; WT: 35 LBS STK# 229613.53 \$7.95</p>	 <p>PRI: 95/105/115/125 190/210/230/250 SEC: 2/4/6/8 @ 225 MA. 90/100/110/ @ 225 MA. ALSO SEC. #2 115 V. @ 500 MA. 4x5x4; WT: 13 LBS. #KLEINSCHMIDT5399 \$7.95</p>	 <p>PRI: 115v 60 cyc. SEC: 800vct .25A 5x4x3 WT: 12 LBS. #229612.34 PRICE: \$5.95</p>	 <p>MODULATION TRANSFORMER 100 Watt RESPONSE 200 to 5000 PRI: 7000 SEC: 7000 F/BC-191/375 TRANS. size 3x4x5 WT. 5 1/2 lbs. stock # 2c6191/T1 Price \$3.95</p>	 <p>PRI: 115/115v 50/60 SEC: 26.4 v 1.70 A. 26.4 v 1.35 A. 3x3x3; 4 LBS. 5950-645-3854 \$3.95</p>	 <p>PRI: 120 v 50-60 cyc 124 VA SEC: 225v 40MA 850 v CT 250M 6x4x5 WT 16 LBS BENDIX #N217388-1 PRICE: \$5.95</p>
 <p>PRI: 115v 60 cyc SEC: 6200v 81 MA 5800v 76 MA 5400v 71 MA 5x8x7 WT: 22 LBS. #5950-645-6792 PRICE: \$8.95</p>	 <p>PRI: 115 V 60cyc SEC: 850ct 280MA 280ct 10MA 5 v 5 A. 6.3 v 600MA 36 v 5 A. 5x5x7; 28 LBS. #5950-645-3943 \$6.95</p>	 <p>PRI: 115/230 V 50/60 cyc SEC: 1600vct 230 MA & TAPPED 760V @ 40 MA. 6x6x4; 30 LBS. \$8.95</p>	 <p>PRI: 115/115v 60cy SEC: 2500 VCT @ .450 AMPS. D.C 7x7x6; 45 LBS. MOTOROLA 2250103 \$18.95</p>	 <p>100 WATT MODULATION TRANSFORMER PRI: 7500 OHM CT 30,000 SEC: 3000 OHM 35W 250 MADC 600 CT. 1 W RMS TEST 1, 2, 3 500 v. OTHERS 2500 v. 200-3500 CPS. 4x4x4; 11LBS #5950-646-3092 PRICE: \$4.95</p>	 <p>PRI: 115v. 60cyc SEC: 24v 3 AMP 5v 3 " 3x2x3; 2 LBS FA-6705 \$2.95</p>	 <p>PRI: 115v. 60 CYCLE SEC: 15v. @ 3 AMPS 2/625v. @ 250 MA. 6.5v. @ 6.25 AMPS 6.5v. @ 1.75 AMPS SIZE: 5x6x4; WT: 20 LBS. #5950-645-8565 NEW \$12.95</p>
 <p>PRI: 115v 60 cyc SEC: 6200v 81 MA 5800v 76 MA 5400v 71 MA 5x8x7 WT: 22 LBS. #5950-645-6792 PRICE: \$8.95</p>	 <p>PRI: 105/115/130/ 145/160/180/200/ 225/250 v 25-60cyc SEC: 780vct @ 65MA. 2.5 v @ 2 AMP 6.3 v @ 4 " " 5x5x4; 13 LBS. 229619-4 \$2.95</p>	 <p>FOR RA-62 RECTIF. USED TO POWER SCR-522 REC-TRANS PRI: 110/220 VOLT 40-60 CYCLE SEC: DC VOLTAGES 300 @ 230 MA BIAS 150 @ 8 " " 13.4 @ 3.9 A. 5x5x8; 30 LBS. #3340-296-862-192 PRICE: \$7.95</p>	 <p>PRI: 117v. 60 CYCLE SEC: 1200 vct 350 MA 6.3v. @ 8 AMPS 5.3 vct. 6 AMP 6x5x4; WT: 25 LBS #T-201/PP-115 \$8.95</p>	 <p>Transformer Pri: 1.5 ohm Sec: 35-35 " PO/BC-347 3/4x3/4x1 1/2 Stock# 229947/421 Price \$.59</p>	 <p>Transformer Pri: 1.5 ohm Sec: 35-35 " PO/BC-347 3/4x3/4x1 1/2 Stock# 229947/421 Price \$.59</p>	 <p>PRI: 115 v 60 cyc SEC: 600 CT 50 MA 6.3 CT 2 A. 5.0 2 A. 3x2x2; 2 LBS. #5950-552-0891 \$3.95</p>

TRANSFORMERS

**50 VCT
15 AMP**

PRI: 115v. 60cy.
SEC: 50VCT. 15A.
50VCT. 1A.
5x4x4 WT: 14LBS.
BURNS#13847
PRICE \$9.95

**1-177
TUBE CHECKER
TRANSFORMER**

SIZE: 4x4x4 5/8 LB
STK.# 229613.667
PRICE: \$4.95

PRI: 117 V. 60CY
SEC: 12.7/14.5
77 WATT'S 6 AMPS.
5x5x5; 12 LBS
#5950-199-2297
\$4.95

PRI: 105/115/125V
50/60CY
SEC: 18.5CT 3A.
MICROTRAN M8022
3x3x3 6LBS.
#5950-809-9351
\$2.95

PRI: 115v.
60 HZ.
SEC: 24 v.
10 AMPS
FULL WAVE.
3x4x4 1/2
WT: 12 LBS
PRICE: NEW \$5.95

ALL PRIMARIES
115 VOLT 60 CYCLE
SIZE: 2x1x1 1/2; 4oz

PRI: 115 v. 60 CY
SEC: 2.2 V.
ALSO TAPPED WIND.
0-60V 10 TAPS 4
VOLTS EA. 1 TAP
20V.HV AMPS 4, LOW
EST VOLTAGE 20 A.
6x4x5; W: 25 LBS
#5120-473-6811
\$7.95

SEC: 24v. 50 MA.
2/WIND12.0v. .5 A.
MW#4523 \$1.25

SEC: 24v. 30 MA.
2/WIND12.6v. 1 A.
MW#4530 CASD \$2.

SEC: 12v. 25 MA.
#681-K-34 \$1.25

SEC: 12 v. 500 MA.
1x1x1 1/2 4 oz.
#B94P2 \$1.50

SEC: 12 v. 3 AMP
3x2x2 2 LBS.
#B94P7 \$1.75

TF45X02YY

THREE PHASE
PRI 171V 50-450CY
SEC 28V @ 40A
6x7x9 WT. 45LBS
PRICE: \$14.95

PRI: 115v 60 CYC
SEC: 2v. 60 VA.
3x3x4 WT: 4 LBS.
#5950-829-8618
PRICE: \$2.95

MICROPHONE TRANS

PRI: 4C OHMS
SEC: 75000 "
SIZE: 1x1x2
WT: 2 oz.
229986-2/RM-12
PRICE: 75¢

INP: 5500 OHM 20MA
OUTPUT: 13600 OHMS
2x1x1 1/2 LBS.
#578-1484 \$1.95

MICROPHONE

PRI: 14.5-21 OHM
SEC: 4475-6500
OHMS
CARBON MIC.
2x3x2 1/2
#F7762352G1
\$1.00

AUDIO OUTPUT TRANS

PRI: 450 OHMS
SEC: 300/4000 OHMS
IMPEDANCE
PC/BC-348
STK# 2C4348M/T
2x2x4 WT. 2 1/2 LBS.
PRICE: \$1.00

Microphone Transformer

Pri: 1 ohm
Sec: 2000
1x2x1 1/2
3W#229666A
Price \$1.59

OUTPUT TRANSFORMER

NP/NS-1.77/6.6, 50
TO 5000 CYC. 5MA.
SIZE: 2x2x2
GEM 7465623-1
PRICE: \$1.75

LOW VOLTAGE TRANSFORMERS

ALL PRIMARIES 105/110/115
120/125 VOLTS 60 CYCLE.

SEC: 6.6 v. 18 AMP
3x5x4; 12 LBS.
GE#9T35Y159 \$3.95

SEC: 6.6 v. 10 AMP
6.6 v. 1 AMP
5x4x3 1/2 WT: 10 LBS.
GE#9T35Y181 \$3.25

ALL PRIMARIES 115 v 60 HZ.

SEC: 6.3 VCT 3 A. AND 5 V.
6 AMP. 3x4x4 1/2 4 LBS.
#229611.106 \$4.95

SEC: 6.4 v .5 AMP, 229613-
245; 2x2x3 1/2; 2 LB. \$1.25

SEC: 6.3 v. 8 AMP, 3x2x2 1/2
x2 6 LBS. #0448 \$2.95

PRI: 66 v. 50 TO 63 HZ
SEC: 15 v. 25 AMPS
SIZE: 5x4x6 1/2 WT: 15 LBS.
#5950-660-7183 \$12.95

PRI: 230V 60 CYC
SEC: 6.3v 30A @ 5.67x30A
4x5x3 1/2; 13LB#6510 \$4.95

12V 300 A

PRI: 0/115.2/120/
124.8v. 60cy
SEC: 12v. @ 300A.
RCA#8423824
15x12x9 1/2 238 LBS
#5950-557-6156
\$60.00

**2-6.3 VCT
35 AMP.**

PRI: 105 TO 125 v 50/60 CYC
SEC: 2/6.3 VCT @ 35 AMPS EA
SIZE: 7x6x5 1/2; WT: 30 LBS.
SMITH#3002730 USED \$12.95

MICROPHONE TRANSFORMER

PRI: IMPEDANCE 50 OHM 30MA
SEC: IMPEDANCE 500 OHM
FREQ. RESPONSE 400-1900CPS
SIZE: 1x1x1 1/2; WT: 6 oz.
\$1.00 T-204/PP-115

LINE TRANSFORMER INPUT

PRI: IMPEDANCE 500 OHM CT
SEC: " 500 "
FREQ. RESPONSE 600-12000CP
SIZE: 2x2x2 1/2; WT: 1 LB.
T-203/PP-115 \$1.50

PRI: 225V 60 HZ
SEC: 8.1 VCT.
51 AMP
4x6x6 20 LBS.
#5950-085-1244
PRICE: \$11.95

PRI: 7000 OHM CT
SEC: 265 " "
80 " "

ONE WINDING
POWER: 62.5 WATTS
RESPONSE: 1 DB
20-20,000 CPS
SIZE: 4x6x4; 20 LB
TF1A13MA \$4.95

HIGH VOLTAGE TRANSFORMERS

PRI: 220 VOLTS
50/60 HZ.
SEC: 2430-1315
-0-1315-
2430 VOLT
@ 1.70 A.
0 1.70 A.
SIZE: 11x11x15 1/2 WT: 232 LBS
#43164 NEW \$60.00

PRI: 105/250 v.
2.5 v. v. TA
SEC: 2240 VCT.
@ 500 MA.
12 VCT.
@14.25 AMP
17.5/18.5/19.2 v. @ 2.5 AMP
2.5 v. @ 10 AMP 30 v. 50MA
SIZE: 11x10x8 WT: 42 LBS.
#5950-681-7115 NEW \$25.00

PRI: 104/125 v. 1600 HZ
SEC: 1975v. 1.2 MA
1.25 v. @ 0.2 AMPS
SIZE: 2x3x2 1/2 WT: 4 LBS.
#5950-810-5220 \$5.95

PRI: 105/110/115
120/125V 54-66CYC
SEC: 365V TAPPED
355 V @ 500 MA.
4x5x3 1/2; 9 LB.
#ADCA869 \$2.95

PRI: 115/165V
50/60CY
SEC: 4600VCT.
4000/4200/
4400VCT .8A.
11x10x12;
140LBS #518-
3821 \$59.50

PRI: 105-110-115
120-125
SEC: 560CT 75 MA
365 V 150 MA
TAP335 V
3x5x3 1/2 8 LBS.
TF1A02JA
\$1.95

PRI: 115v. 60/420 CYC
SEC: 2/1130 VCT @ 370 MA
SIZE: 5x5x7 WT: 32 LBS
#5950-538-3728 \$14.95

CIRCUIT PROTECTED

PRI: 110/220/440
50/60 CYCLE
SEC: 24 V 6 AMP.
6 V 1 "

**CIRCUIT RESET
BREAKER 10 AMP.**

FOR 4 1/2" SQ. BDX
MTG. ALSO 2 1/2" TER
MINAL BOX W/KNOCK
OUTS.
SIZE: 7x4 1/2x5; 10LBS
FOSTER#D11586
PRICE: \$6.95

VOLTAGE REGULATED

PRI: 90-130 VOLT
50/60 CYCLE
SEC: 29 VOLT 6 AM
SIZE: 8x5x4 1/2; 20 LB
PHOENIX#PX-2017B
PRICE: \$5.95

**CONSTANT VOLTAGE
TRANSFORMER**

SOLA #211134 WITH
CAPACITOR. REGUL-
ATES VOLTAGE AUTO-
MATICALLY AND INST-
ANTANEOUSLY.
PRI: 95-130V 60CYC
SEC: 6.3 v 2.38 A
5x3x3 1/2 WT. 8LBS.
#5950-581-5333
UNUSED \$5.95

AUTO-ISOLATION STEP-UP/STEP DOWN

PRI: 95/105/115/
125/190/210/230/
250V. 50/60 CYCLE
600 WATT.
SEC: 3 TAPS, VOLTAGE
DEPENDS ON PRIMARY
TAPS USED.
5x7x8 1/2 18 LBS.
2279605.3 \$8.95

CONSTANT VOLTAGE

PRI: 95 TO 130 v.
60 CYCLE
SEC: 6.5 v 12 AMP
9x4x4; 16 LBS
SOLA #302473
#5950-578-8875
\$9.95

PRI: 115/230v. 50-
60 CYCLES
SEC: 342VCT .350A
300VCT 1.15A
(INTERMITTENT
4x4x3 1/2 10LBS.
#5950-557-6140
PRICE: \$4.95

PRI: 115v 60cy
SEC: 40-0-40V .18A
3x3x5 WT. 5LBS
#7629808
\$1.50

PRI: 115v 60 CYC
SEC: 5.7v 21.8A
3x4x5 WT. 9L
GE-7469149
PRICE: \$6.95

PRI: 0/105/115/
125v. 60CY
SEC: 0/27/29v. 8A
5x5x4 1/2 19LBS.
TF4RX02YY \$2.95

PRI: 117v 60CY
SEC: 27v @ 3ADC
TF4RX02LB
4x4x3 1/2 11LBS..
#5950-886-9827
\$1.95

CONTROL TRANSFORMER

PRI: 115v. 60 HZ
SEC: 24v. 20 VA.
2x2x2; WT: 2 LBS
#BE-8002 NEW \$1.50

PRI: 115v. 60cy.
SEC: 26 vct 3 AMPS
2x2x2 1/2 2 1/2 LBS.
#M10758802-010
PRICE \$1.75

PRI: 115v 50/60cy
SEC: 24V 15VA.
2x2x2 1/2 1 1/2 LBS.
#AB-637-001-808
PRICE: \$1.25

PRI: 115 V 60 C
SEC: 6.3 V 3.6 A
15 V.004 A
15 V.004 A
SIZE: 3x3x3; 4 LBS
STK#ORD7629806
PRICE: \$1.50

PRI: 115 V 60 CYC
SEC: 6.3 V 2.75 A.
6.3 V 5.5 A.
SIZE: 3x4x3; 5LBS
STK#ORD7629805
PRICE: \$2.50

PRI: 115 V 60 CYC
SEC: 6.3 V 4 AMP
SIZE: 4x3x3; 5 LBS.
STK#ORD7629823
PRICE: \$1.50

PRI: 120V 50-60CYC.
SEC: 5V CT @ 10.8A
SIZE: 5x3x3 1/2
WT. 8 LBS.
#A 217247-1
PRICE: \$3.95

PRIMARY VOLTS
81, 163 & 230
50/60 CYCLE
SECONDARY VOLTS
12 CT. 3 1/2 AMPS
12 CT. 3 1/2 "
13 CT. 10 "
@ 115V 2/16V-3A 1/17V
10A. SIZE 4x7x7 18LBS.
GE#7466333 \$5.95

PRI: 110v 60 CYC
SEC: 6.3v 2A
12.6v 1.5A
SIZE: 2x2x4 1/2
VT. 4 LBS.
5950-556-1826
\$2.50

PRI: 120 V 60 CY
SEC: 2.5 V 10 A.
NO C.T. INS.10M.
4x3x3 1/2; 8 LBS.
#229611.144
\$2.95

PRI: 115v60cy
SEC: 375.5v
@ .016A
7.1v @ 1.15A
2x3x2 1/2 1LB
229619-62 \$2.95

PRI: 115v 60cy.
SEC: 26 vct 3 AMPS
2x2x2 1/2 2 1/2 LBS.
#M10758802-010
PRICE \$1.75

PRI: 115v 50-133CY
SEC: 20 VOLT LOAD
OR 12.5v @ 2 AMPS
MOUNTED ON 4" RD.
ELECT. BOX COVER
3x3x2 1/2 2 LBS.
#FR-24960 \$1.25

ANTENNAS

MP-22 MAST SECTION MOUNTING BASE WITH SWIVEL THAT WILL TIP TO 90 DEGREES, RIGHT OR LEFT AND WILL LOCK IN THE VERTICAL POSITION. WILL TAKE MS-53 OR MS-54 MASTS AS THE STARTING SECTION. MOUNTING PLATE SIZE: 5x6 HEIGHT OF BASE 10". WT: 10LBS. \$4.95

MP-22A SAME AS ABOVE EXCEPT THE STARTING SECTION IS MS-51 AND YOU CAN ADD MS-50 & MS-49. \$4.75

Mast Sections

3 ft. Tubular steel, cooper coated and painted sections. These screw together to make any desired length. MS-49 being the top & smallest section increasing in size through MS-50-51-52-53 to MS-54 being the larger one. Either the MS-53 or MS-54 will fit together to form any additional height desired. Example a 33 ft. vertical may consist of one each MS-49, 50, 51, 52, and 7 each of MS-53 or it may be finished out on the bottom with 6 MS-54 sections. Self support to about 18ft. Average wt. app. 3/4lbs. MS-49-50-51-52-53 .50gea. MS-54 .75sea



MP-73 GROUND PLANE MOUNTING BASE DESIGNED TO BE USED WITH MAST SECTIONS AB-21, 22, MS-116, 117 THAT SCREW TOGETHER TO MAKE DESIRED LENGTH FOR FREQ. REQUIRED. HAS SO-239 COAX. RECEPTACLE AND PROVISIONS FOR MOUNTING TO POLE TREE OR CORNER OF BUILDING. THE MOUNTING HOLES FOR THE VERTICAL ANT. AND THE RADIALS ARE 5/16" DIAMETER. SIZE: 10x15x6; WT: 10 LBS. PRICE: NEW \$9.95

NONE OF THE AB-21, 22 OR MS-116, 117 MAST SECTIONS ARE AVAILABLE NOW IN MP-51 MAST SECTION SHOWN ELSE WHERE ON THIS PAGE WILL FIT BUT WILL HAVE TO BE FASTENED IN WITH BOLTS AND NUTS TO MAKE A GOOD CONNECTION. THE SAME GOES FOR AN-109 WHIP ANT.

AN-109 WHIP ANTENNA 5 FT. TAPERED 1/4 TO 1/8 W/3" SQ. BASE. \$1.50 EA. 4 FOR \$5.
AN-119 WHIP ANTENNA 6 FT. TAPERED 1/2 TO 1/8 THREAD 1/2"x20 \$1.50 EA. 4 FOR \$5.
AN-130 WHIP GOOSENECK 30" SCREW BASE FITS BC-1000, PRC ETC. \$1.50 EA. 4 FOR \$5.
AT-272 GOOSENECK BASE 8" USED WITH FLAT ANT. ON PRC SETS. \$1.50 EA. 4 FOR \$5.
AT-272 FLAT ANTENNA 30" USED WITH ABOVE BASE FOR PRC SETS. \$1.50 EA. 4 FOR \$5.

MP-74 GOOSENECK BASE FOR MAST SECTION AB-23 OR MS-118, 14" LG. WITH SPADE TYPE BRACKET FOR SIDE MOUNTING. \$1.50 4/\$5.
M-422 ADAPTER FOR USING MS-116-117-118 OR AB-21-22-23-24 MAST SECTIONS WITH BC-1000 & PRC SERIES SETS IN THE LONG ANTENNA RECEPTACLE. 7 1/2" LG. \$1.50 EA. 4/\$5.

AT-235 DIPOLE ANTENNA 200-250 MHZ WITH UG-22 COAX. RECEPTACLE. \$1.50 EA. 4/\$5.00
UPM-1 DIPOLE ANTENNA FOR USE IN THE 155 TO 235 AND 460-570 MHZ BANDS. BASE STANDS 21" HIGH FOR FLAT MOUNTING ALSO HAS ADJUSTABLE BRACKET FOR POLE MOUNTING.

AT-50 FOR USE IN LOW BAND \$14.95
AT-51 FOR USE IN HIGH BAND. \$14.95
AT-598 ANTENNA TAPERED 30" LG. WITH CAST BASE AND COAX. RECEPTACLE FOR UG-100 A/U CONNECTOR. \$1.50 EA. 4/\$5.00
MATCHING COAXIAL LINE WITH 2/UG-100A ON 14" OF RG-14. \$1.50 EA. 4/\$5.00
AN-207 ANTENNA TELESCOPING 20" EXTENDED. 8 1/2" COLLAPSED. CHROME. 50¢ EA. 5/\$2.00
GG1-51048 TELESCOPING WHIP ANTENNA, 15" COLLAPSED 7' EXTENDED. \$1.50 4/\$5.

AS-874 ANTENNA ROTOR, 28 VDC 4 AMPS. APPROX 33 RPM, W/SEL SYN 2J1F3, R.F. CABLE FEEDS THROUGH CENTER OF ANT. MOUNTING AND USES 6 BOLTS. COAX. RECEPT. TAKES UG-494 CONN. USED SIZE: 9 1/2"x12x10; 20 LB. \$24.95

ANTENNA COUPLER FOR REMOTE OPERATION. RANGE APPROX. 2 TO 24 MC. 200 WATTS. MOTORIZED VARIABLE VACUUM CAPACITOR 300 MMF. 7500 VOLTS. ALSO ROTARY INDUCTOR, SERVO MOTORS, FAN, 10 PLATE TYPE RELAYS, SWITCHES, CAPACITORS, RESISTOR TUBES 4/5727, 2/5670, 3/6201 ETC. SIZE: 24x7x8; WTL. 25 LBS. #5821-658-3692

AS-874 ANTENNA ROTOR, 28 VDC 4 AMPS. APPROX 33 RPM, W/SEL SYN 2J1F3, R.F. CABLE FEEDS THROUGH CENTER OF ANT. MOUNTING AND USES 6 BOLTS. COAX. RECEPT. TAKES UG-494 CONN. USED SIZE: 9 1/2"x12x10; 20 LB. \$24.95

GROUND PLANE ANTENNA Ground plane antenna to cover 20 to 50 MC. Made from surplus insulated base & screws in type mast sections. Mounts on 1 to 2 inch pipe. Specify operating frequency range. \$10.95

AN-45 TELESCOPING ANTENNA 8 FT. \$1.95

COPPERWELD WS-13/U COPPERWELD WIRE; ELECTRICAL, 40% CONDUCTIVITY; SINGLE COND. APPROX. #7 AWG. C/O 3 STRANDS #12 AWG. #1A807.12 WT: 39 LBS. COIL OF 675 FT. \$10.00

ANTENNA PHOSPHOR BRONZE #16 1 CONDUCTOR WITH 2 SNAPS & SLIDE CONNECTOR, INSULATED. AN-22 " 20 " .65

AS-813/TRC-47 GROUND PLANE TYPE CORNER REFLECTOR FOR USE IN THE 132 TO 150 MHZ BAND, 50 OHM IMPEDANCE. TRIANGULAR ALUMINUM FRAME AND EXPANDED ALUMINUM BASE. TWO SIDE 65" OTHER 89", 16 VERTICAL RODS, 16 VERT. RODS SCREW INTO FRAME AND RADIATING STUB INTO CENTER AND IS ADJUSTABLE 17 TO 21 1/2", MOUNTING BRACKET FOR POLE OR MAST. SHPG. WT. 55 LBS. MOTOR FREIGHT ONLY. PRICE: \$15.00

AS-125/APR ANTENNA FOR USE WITH RECEIVERS IN THE 1000 TO 6000 MHZ RANGE. HAS 6" MOUNTING RING WITH HARDWARE AND UG-22 COAXIAL RECEPTACLE. SIZE: 6x8; 4 LBS. NEW \$4.95 UG-21 COAX. CONN. TO FIT 50¢

AS-69/APT ANTENNA FOR 535 TO 700 MHZ. RANGE. HAS 2 CROSS DIPOLES BENT DOWN FOR 1/2 WAVE TRANS. AND PHASING. SIZE: 9 1/2"x8; WT: 8LB. TAKES UG-21 \$7.95

MN-20 MANUAL ROTATABLE LOOP ANTENNA, USED AS A DIRECTION FINDING ANTENNA IN THE 150 TO 1500 KC FREQ. RANGE WITH MN-26 & RA-10 RECEIVERS OR ANY OTHER TYPE IN THIS RANGE USED \$2.95 UNUSED \$3.95

MN-52 AZIMUTH CONTROL BOX W/O-360 DEG. DIAL, LIGHT & CRANK USED WITH MC-124 FLEXIBLE SHAFT THAT IS CONNECTED TO THE LOOP AND WHEN CRANK IS TURNED LOOP TURN UNUSED \$2.95

MC-124 FLEXIBLE SHAFT FOR USE WITH LOOP AND CONTROL BOX, 5 1/2 FT. \$1.95 EACH EXTRA FT. 25¢ SPECIFY/SHIP CLOSE

CABLE FOR ANTENNA LEADIN 5 WIRE SHIELDED WITH PLUG TO FIT LOOP OTHER END BARE WIRE 8 FT. LG. #AC58267 \$1.95

AS-313/ARN-6 LOOP ANTENNA WITH MOTOR AND AUTOSYN TRANSMITTER. USED WITH ARN-6 RADIO COMPASS THAT TUNES FROM 200 TO 1750 KC, OPERATES FROM 26 VOLT 400 CYCLE SIZE: 10x11x5; WT: 15 LBS. PRICE: (AS ILLUSTRATED) USED \$7.95

COMPARATOR CM-67/U SIGNAL COMPARATOR MIXES TWO FREQUENCIES AND DELIVERS AN OUTPUT PROPORTIONATE TO THE DIFFERENCE OF THE TWO SIGNALS. WHEN USED WITH A STRIP CHART RECORDER IT WILL COMPARE 2 ALMOST EQUAL FREQ. STANDARDS WHOSE FREQ. ARE EITHER 100 KC OR 1 MC. THIS WILL BE RECORDED AS A SINE WAVE. USES 4 1N21 DIODES IN A FULL BRIDGE CIRCUIT ALONG WITH RESISTORS, CONDENSORS, TRANSFORMERS, ETC. INPUT IMPEDANCE 50-5000 OHMS. INPUT COAX. CONN. BCN. SIZE: 5x3 1/2x3 1/2 WT: 4 LBS. NEW \$4.95

CU-128F/U ANTENNA COUPLING UNIT, DESIGNED TO PROVIDE EFFICIENT SIGNAL TRANSFER BETWEEN ANTENNA TRANSMISSION LINES OF DIFFERENT IMPEDANCE, FREQ. RANGE 4 TO 20 MHZ. INPUT IMPEDANCE 200/250/700 OHMS OUTPUT 70 OHM WATERPROOF METAL BOX WITH MTS. & MANUAL SIZE: 8x4 1/2x7 1/2; SHPG. 15LBS. NEW \$4.95

SMALL ANTENNA INSULATORS Insulating material made of polystyrene Size 1 1/2x1 1/2 Mtg. hole 3/4" Receptacle size 3/8x24 TH. STOCK # 223021-227 Fits ANT. AN-130, 131, Size 7/8x1 1/2 Mtg. hole 5/8" Receptacle size 1/2 x 20 TH. Fits any of the UHF Rods Stock # 223062-237 Specify type each \$7.5

NEON LIGHTING ARRESTOR HI-POWER 4 for \$1

ADAPTER BASE WITH INSULATOR, MAST SECTIONS MS-52 OR MS-53 WILL SCREW INTO THE TOP AND ADAPTER BOTTOM WILL SCREW INTO MS-52 OR MS-53. CAN BE USED TO ISOLATE SECTIONS OF WHIP OR DIPOLE. SIZE: 1 1/2"x8; 1 1/2 LB. NT-66023 \$1.95

CU-168 ANTENNA COUPLER; PROVIDES MEANS FOR OPERATING 5 RECEIVERS FROM ONE ANT. UNBALANCED LINE INPUT NOM. IMPEDANCE 70 OHMS ON OUTPUT ALSO. FREQ. RANGE 2 - 32 MC. EACH COUPLING CIRCUIT HAS 4/12AU7 TUBES. POWER REG. 115V. 10-400CY. RACK MTG. 19x8 1/2; WITH TUBES, UG-21 COAX. CONN. & MANUAL. WT: 75LBS. UNUSED \$29.95

AB-15/GR MAST BASE; SPRING ACTION, INSULATOR 3 1/2"x3" DIA. REQUIRES A 2" HOLE FOR MOUNTING. MAY BE MOUNTED ON SURFACE UP TO 1" THICK. ALSO MOUNTED IN AB-449/G DESCRIBED BELOW. AB-15 OVERALL LENGTH 15"; ABOVE INSULATOR 5/8"x11" TAKES MASTS SECTIONS MS-116, 117, & 118. (SECTIONS NOT AVAILABLE) WT: 2 LBS. \$4.95

AB-449/G INSTALLATION MOUNT FOR AB-15. FOUR BOLTS SECURE MOUNT AT BOTTOM. 5 1/2"x20; 11LBS. \$3.95

MOBILE WHIP ANTENNA BASE MOUNT, SWIVEL TYPE, TAPERED SPRING TAKES STANDARD 3/8" WHIP. WITH 10' RG-59 COAX. CABLE W/PL-259 ALSO INST. TEMPLATE WT: 5 LBS. #M1-31428-B1 \$5.95 UNIT CAN BE DRILLED AND TAPPED SO THE ABOVE SECTIONS CAN BE USED.

A-27 PHANTOM ANTENNA USED WITH BC-375 BC-191 100 WATT TRANSMITTERS FOR TUNING AND LOADING, CONTAINS 0-150 MMF WIDE SPACED VARIABLE CAPACITOR 3/16 SPACING, 2/12 OHM 40 W. NON-INDUCTIVE RES. IN METAL BOX WITH KNOB AND SCALE 0-100, BINDING POST ETC SIZE: 3 1/2"x7x4 1/2; WT: 3 LBS PRICE: RE-NEW \$3.95

AS-27A/ARN-5 HORIZONTAL FOLDED DIPOLE AS USED WITH RC-103, BC-733, ARN-5 EQUIP. ON AIRPLANES. 108-110 MC \$9.95 AT-2/APN-2 DIPOLE ANTENNA 150-180 MC 2.95 AN-104A STUB ANTENNA F/SCR-522 100-156 MC 1.95

AT-911 ANT USD-1 ENNA REFLECTOR 4" DEEP, UG-570/U 18 FOOT SECTIONS ALUMINUM WITH RADIO 14" DIAMETER RADIATOR 7" COAX. RECEPT MAST IN SIX 1 1/2" DIAMETER TUBING, USED PLANE, 10 LB PRICE: \$9.95

AS-27A

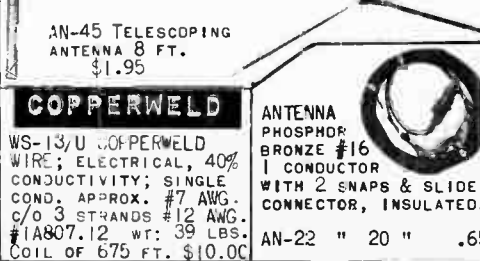
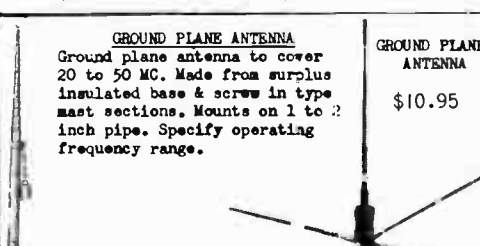
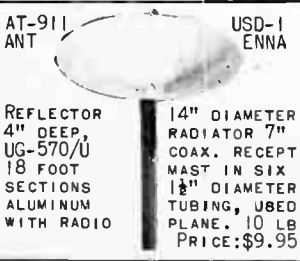
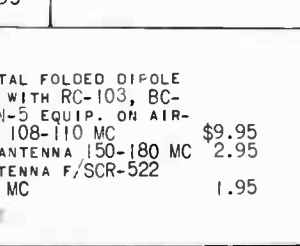
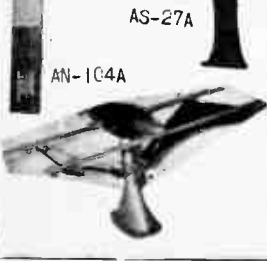
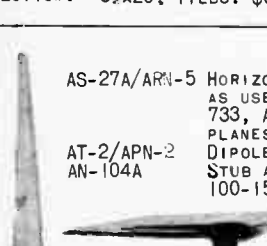
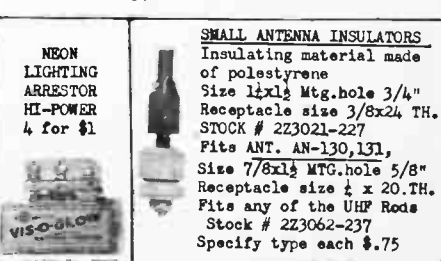
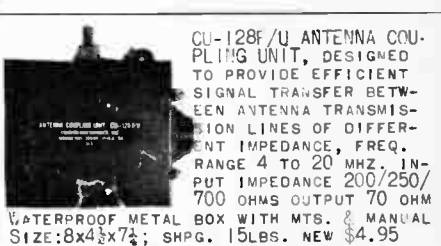
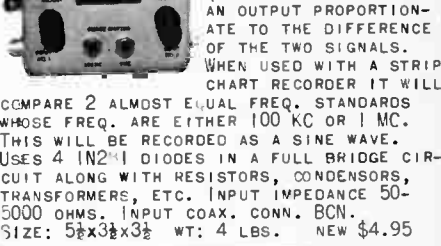
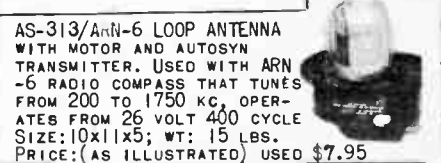
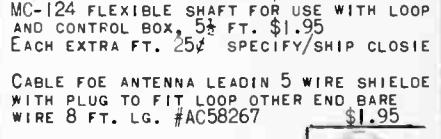
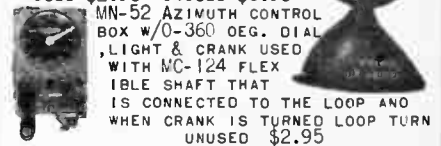
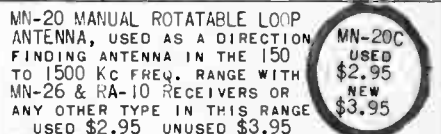
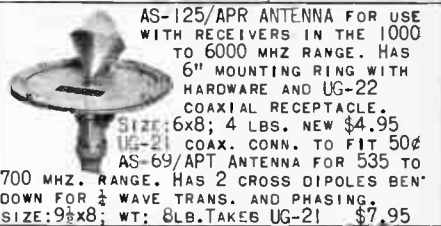
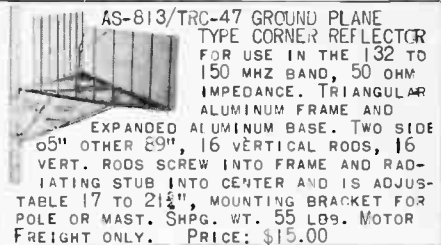
AN-104A

AS-27A

USD-1 ENNA

GROUND PLANE ANTENNA

AN-45 TELESCOPING ANTENNA 8 FT. \$1.95



AS-813/TRC-47 GROUND PLANE TYPE CORNER REFLECTOR FOR USE IN THE 132 TO 150 MHZ BAND, 50 OHM IMPEDANCE. TRIANGULAR ALUMINUM FRAME AND EXPANDED ALUMINUM BASE. TWO SIDE 65" OTHER 89", 16 VERTICAL RODS, 16 VERT. RODS SCREW INTO FRAME AND RADIATING STUB INTO CENTER AND IS ADJUSTABLE 17 TO 21 1/2", MOUNTING BRACKET FOR POLE OR MAST. SHPG. WT. 55 LBS. MOTOR FREIGHT ONLY. PRICE: \$15.00

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MN-20 MANUAL ROTATABLE LOOP ANTENNA, USED AS A DIRECTION FINDING ANTENNA IN THE 150 TO 1500 KC FREQ. RANGE WITH MN-26 & RA-10 RECEIVERS OR ANY OTHER TYPE IN THIS RANGE USED \$2.95 UNUSED \$3.95

MN-52 AZIMUTH CONTROL BOX W/O-360 DEG. DIAL, LIGHT & CRANK USED WITH MC-124 FLEXIBLE SHAFT THAT IS CONNECTED TO THE LOOP AND WHEN CRANK IS TURNED LOOP TURN UNUSED \$2.95

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AS-313/ARN-6 LOOP ANTENNA WITH MOTOR AND AUTOSYN TRANSMITTER. USED WITH ARN-6 RADIO COMPASS THAT TUNES FROM 200 TO 1750 KC, OPERATES FROM 26 VOLT 400 CYCLE SIZE: 10x11x5; WT: 15 LBS. PRICE: (AS ILLUSTRATED) USED \$7.95

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AS-27A

AN-104A

AS-27A

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AS-27A

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AS-27A

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CABLES

NEW COAXIAL CABLE

NEW MANUFACTURE AND BRANDED WITH STANDARD TYPE NUMBERS TO MIL-R-17A SPECIFICATIONS.

PRICES LISTED FOR LENGTHS INDICATED, IN-BETWEEN LENGTHS USE THE HIGHER PRICE. LESS THAN 100 FEET ADD 10% TO HIGHEST PRICE

		100	500	1000	5000
		FEET	FEET	FEET	FEET
RG-8/U	52 OHM	.12	.11	.10	.10
RG-11/U	75 OHM	.14	.13	.12	.11
RG-58/U	53Ω "	.05	.05	.05	.04
RG-59/U	73 " "	.07	.06	.06	.05

PRICES ARE PER FOOT

NEW COAXIAL CONNECTORS

S0-239	PL-259	M-359	PL-258 JUNCTION
\$.45 EA.	\$.45 EA.	\$.49 EA.	\$.89 EA.
10 OR MORE	10 OR MORE	10 OR MORE	10 OR MORE
\$.39 EA.	\$.39 EA.	\$.45 EA.	\$.80 EA.

TYPES MAYBE ASSORTED TO OBTAIN THE LOW PRICE

Coaxial Cable FOR LESS THAN 3c Per Foot!

RG-54 A/U CABLE
DESIGNED FOR LONG LIFE & CONSTANT ATTENUATION 58 OHMS, .250 OD. WITH POLYETHYLENE JACKET.

370 FOOT ROLL \$10.00 70 FOOT ROLL \$1.95
LESS THAN SPECIFIED LENGTHS .03 PER FOOT

COAX CABLE ASSY.

TYPE	OHMS	LENGTH	CONNECTOR	STOCK#	PRICE
RG-26/U	48	30FT	2/UG-34	3E4392-11	4.95
RG-98/U	51	25FT	2/UG-21	GEP19	2.25
RG-58/U	53	26FT	2/UG-88	GEP19	1.75
RG-22/U	95	40FT	PL/284	CD-879	.75
RG-22/U	95	46FT	PL-284	CD-878	.80
RG-22/U	95	50FT	PL-284	CD-877	1.00
RG-62/U	93	8FT	2/UG-88	CG-1410	.75
RG-62/U	93	35FT	2/UG-88	CG-1410	1.00
RG-62/U	93	130FT	2/UG-88	CG-1410	1.95

CABLES FOR SETS

CABLE #	PLUG #	LENGTH	USED WITH	PRICE
3E7243-2	GK12-23	52 IN.	TCS/REC-PS	\$2.75
3E7273-19	SKC16-23	29 IN.	TCS/TRS-PS	2.75
CD-515		48 IN.	BC-669	5.95
CD-501	F/BC-654 & PE-103			4.95
CD-548	2EA PL118	9 FT.	TEST SET	4.95
CD-549	2/ PL-112	9 FT.	TEST SET	4.95
CD-526	2/ PL-153	5 FT.	274 N SERIES	4.95
CD-532	2/ PL-152	5 FT.	" "	2.75
CD-509		8 FT.	BC-659/620	2.75

COAX CONNECTORS USED

UG-290/U	PANEL RECPT.	USED	25¢ EA.	5/	\$1.00
UG-291/U	PANEL JACK	"	30¢	4/	\$1.00
UG-88/U	PLUG	"	35¢	3/	\$1.00
UG-260/U	PLUG	"	39¢	3/	\$1.00
UG-262/U	PANEL JACK	"	45¢	2/	.75
UG-260/U	SPEC. ELBOW	"	45¢	2/	.75
UG-21/U	PLUG	"	59¢	2/	\$1.00
UG-22/U	PANEL JACK	"	59¢	2/	\$1.00
UG-298/U	ADAPTER	NEW	79¢	2/	1.50
UG-29/U	ADAPTER SPEC	USED	59¢	2/	1.00
UG-629/U	PANEL JACK	NEW	85¢	2/	1.50
UG-36/U	PLUG	USED	5.00"	2/	3.00
UG-37A	PANEL JACK	"	5.00"	2/	3.00
UG-420/U	PANEL JACK	"	1.25"	2/	2.00
UG-421/U	PLUG	"	1.25"	2/	2.00
UG-100/U	PLUG	"	59¢	2/	1.00
UG-100/U	PANEL JACK SPEC.	U	59¢	2/	1.00
UG-109/U	STRAIGHT ADPTER	U	79¢	2/	1.00
10H528	PANEL JACK	NEW	79¢	2/	1.50
10H702	ELBOW	NEW	79¢	2/	1.50
10H1366	STRAIGHT	NEW	79¢	2/	1.50



TS-239 OSCILLOSCOPE
GENERAL PURPOSE INSTRUMENT FOR TESTING RADAR & COMMUNICATION EQUIPMENT. DISPLAYS A LUMINOUS PLOT OF TIME-VARYING VOLTAGE PULSE OR WAVE ON A 3" CR TUBE. SINE WAVE OF 10 CYC TO 5 MC ARE SERVEABLE.

INPUT IMP. 300M OHMS W/30 MMFD CAP. SIGNAL INPUT SCOPE ONLY 1 TO 100 VOLTS PEAK. OUTPUT TRIGGER PULSE + 25 V. 4 MICROSEC. DUR FREQ. RANGE 1 CYC TO 3 MC. PULSE DISPLAY .2 TO 5% MISRSEC. INTERNAL SQUARE WAVE 150 CYC PER-SEC. ADJ. .1 TO 1 VOLT. ALSO 75 VOLT SQ. WAVE. SENSITIVITY .1 VOLT PRODUCES STAND. DEFLECTION W/MAX. AMPLIFICATION. CONTROLS & CONN. ON FRONT PANEL. SIX STEP MULTIPLIER EXTENDS RANGE 300 TIMES. SWEEP ADJ. .1 TO 50M MICROSEC. POSITIVE OR NEGATIVE POLARITY. WITH USE OF PROBE INPUT IMP. MAY BE INCREASED TEN TIMES WITH LOSS OF SENS. AND INCREASE IN VOLTSGE TO 450. WITH TUBES 3/6AK5, 2/6AG7, 2/6C4, 8/7F8 1/6AL5, 2/6SN7, 1/VR-105, 2/6X5, 1/5R4 & 1/3JPI SIZE: 2 1/2 x 1 1/2 x 1 3/4 WT: 75 LBS. PRICE: USED CHECKED \$69.50 NOT CHECKED \$55.00



OS-29/UPM-4A PRECISION SYNCHROSCOPE EMPLOYING A THREE INCH CATHODE RAY TUBE. THE SWEEP OF THE CRT CAN BE TRIGGER EXTERNALLY OR INTERNALLY AND CAN BE DELAYED WITH EITHER TRIGGER. THE SWEEP DURATION AND, WHEN INTERNALLY TRIGGERED, THE SWEEP FREQ. CAN BE CONTROLLED. THE INPUT SENSITIVITY OF THE VIDEO AMPLIFIER CAN BE VARIED IN SIX STEPS FROM 0.2-20 VOLTS PER INCH OF VERTICAL DEFLECTION. THE UNIT CONTAINS HIGH VOLTAGE POWER SUPPLY, BUT REQUIRES THE FOLLOWING VOLTAGES FOR OPERATION 300V, -27V, 425, 105V. NORMALLY SUPPLIED BY POWER SUPPLY PP-802/UPM-4A, NOT AVAILABLE. SIZE: 22x19x10. WT: 50 LBS. RENEW- \$34.95.....USED- \$22.95

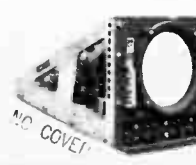
R-65/APN-9 LORAN RECEIVER INDICATOR AS USED IN AIRCRAFT AND BOATS. PROVIDES ACCURATE MEANS OF DETERMINING POSITION OF FIXED SHORE TRANSMITTING DIRECTION STATIONS WHEN OTHER MEANS ARE INEFFECTIVE. CONSISTS OF A RECEIVER OPERATING IN THE MARINE BAND WITH 3" CR TUBE INDICATOR FOR PRESENTATION OF THE RECEIVED SIGNALS. OPERATES FROM 24 VDC & 115 V. 400-800 CYCLE. W/TUBES, LENSE, CRYSTAL. SIZE: 9 1/2 x 12 1/2 x 3 1/2 WT: 40 LBS. USED \$59.50 LESS TUBES, CRYSTAL, HOOD & LENSE..... \$20.00



ID-4/APN-4 INDICATOR 5CP1 CR USED WITH APN-4 LORAN SYSTEM. HAS ALL THE NECESSARY CONTROLS SO IT CAN BE CONVERTED FOR A CONVENTIONAL SCOPE OR AS A FOUNDATION UNIT FOR SLOW SCAN T.V. POWER SUPPLY IS FOR 115 V. 400 CYCLE OPERATION. SIZE: 9x12x20 WT: 35 LBS USED \$24.95 1/6SJ7 AND 8/6H6. \$24.95 LESS TUBES \$12.95

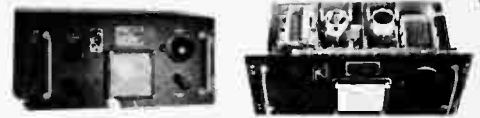


MT-314/MPG-1 INDICATOR TUBE MOUNT FOR 7BP7 C.R. ELECTRIC FOCUSING WITH DIEHL CONTROL MOTOR FPE-25 75 V 60 CYC 2 PH AND A.C. SELSYN 115 V. 60 CYC. TYPE XV #78386, CAST ALUM INUM HOUSING & TUBE SOCKET FOR 7BP7 CATHODE RAY TUBE, FACE 1 1/2" SQ. X 1 1/2" DEEP, WT: 35 LBS. PRICE: LESS 7BP7 C.R. TUBE UNUSHD \$14.95 WITH 7BP7 C.R. TUBE \$24.95



IP-53/CPS-6 RADAR HEIGHT INDICATOR WITH 12DP7AC.R. TUBE ALSO 6/807, 13/6SN7, 5/6AC7, 1/6AG7, 1/6SJ7, AND 1/VR-150. NO POWER SUPPLY WITH THIS UNIT. SIZE: 20x18x31 WT: 125 LB. PRICE: USED \$22.95

PARTS BONNAZA



PLUG-IN TUNING UNITS USED WITH BC-191/BC-375 TRANSMITTER. THESE UNITS CONTAIN MANY PARTS THAT CAN BE USED BY SCHOOLS, LABORATORIES, HAMS, OR EXPERIMENTERS. LISTED BELOW ARE THE VARIOUS TUNING UNITS WITH FREQUENCY COVERAGE, AND PARTS LIST. ALL UNITS INCLUDE CABINET, KNOBS, HANDLES, BRACKETS, AND OTHER PARTS. THE NEW TUNING UNITS ALSO INCLUDE THE OUTER CASE. SIZE: 17x9x7 1/2 WT: 13 LBS.

TU-5B 1500-3000 KC

M-O TANK INDUCTANCE
M-O BAND CHANGE SWITCH
ANTENNA COUPLING SWITCH
P-A BAND CHANGE SWITCH
CAPACITORS:
3/0.0001 MFD 3000 VOLTS
0.00003 MFD 2000 VOLTS
2/0.0004 MFD 5000 VOLTS
3/0.00009 MFD 3000 VOLTS
VAR. 8-26MMF, 20-135MMF, 20-156MMF
ANTENNA COUPLING COIL
P-A GRID CHOKE COIL
M-O GRID CHOKE COIL
P-A TANK INDUCTANCE
RES. 15 OHMS, 4.5 WATTS
2 1/2" VERNIER DIAL
RIGHT ANGLE DRIVE
(NOT AVAILABLE)

TU-6B 3000-4500 KC

M-O TANK INDUCTANCE
P-A TANK INDUCTANCE
P-A GRID CHOKE COIL
M-O GRID CHOKE COIL
ANTENNA COUPLING COIL
M-O BAND CHANGE SWITCH
P-A BAND CHANGE SWITCH
ANTENNA COUPLING SWITCH
CAPACITORS:
2/0.00005 MFD 3000 VOLTS
2/0.0004 MFD 5000 VOLTS
VARIABLE CAP. 19-116 MMF, 8-26, 15-77 MMF
RES. 15 OHM, 4.5 WATTS
M-O TUNING COMPENSATOR
2 1/2" VERNIER DIAL
RIGHT ANGLE DRIVE
NEW \$5.95

TU-7-B 4500-6200 KC

M-O TANK INDUCTANCE
P-A TANK INDUCTANCE
ANTENNA COUPLING SWITCH
ANTENNA COUPLING COIL
P-A GRID CHOKE COIL
M-O GRID CHOKE COIL
CAPACITORS:
2/0.0004 MFD 5000 VOLTS
VAR. CAP. 8-26MMF, 25-111MMF, 19-116MMF
2 1/2" VERNIER DIAL
RIGHT ANGLE DRIVE
NEW \$5.95

BC-306 ANTENNA TUNING UNIT

200-500 KC
VARIOMETER COIL
VARIOMETER DIAL
ANTENNA COUPLE SWITCH
INSULATOR
NEW \$4.95

TU-8-B 6200-7700 KC

M-O TANK INDUCTANCE
M-O GRID CHOKE COIL
P-A GRID CHOKE COIL
P-A TANK INDUCTANCE
ANTENNA COUPLING COIL
ANTENNA COUPLING SWITCH
CAP. 2/0.0004 MFD 5000v
VAR. CAP. 14-66MMF, 8-26MMF, 15-81MMF.
2 1/2" VERNIER DIAL
RIGHT ANGLE DRIVE
NEW \$5.95

TU-9-B 7700-10,000 KC

M-O TANK INDUCTANCE
M-O GRID CHOKE COIL
P-A GRID CHOKE COIL
P-A TANK INDUCTANCE
ANTENNA COUPLING COIL
ANTENNA COUPLING SWITCH
CAP. 3/0.0004 MFD 5000v
VAR. CAP. 19-116MMF
8-26MMF, 15-77MMF
2 1/2" VERNIER DIAL
RIGHT ANGLE DRIVE
NEW \$4.95

TU-10-B 10,000-12,500 KC

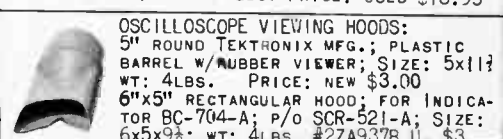
M-O TANK INDUCTANCE
M-O GRID CHOKE COIL
P-A GRID CHOKE COIL
P-A TANK INDUCTANCE
ANTENNA COUPLING COIL
ANTENNA COUPLING SWITCH
CAP. 3/0.0004 MFD 5000v
VAR. CAP. 14-62MMF, 19-116MMF, 8-26MMF
M-O CHOKE COIL
2 1/2" VERNIER DIAL
RIGHT ANGLE DRIVE
NEW \$4.95

TU-26-B 200-500 KC

M-O TANK INDUCTANCE
M-O PLATE COIL
M-O GRID CHOKE COIL
P-A TANK VARIOMETER
P-A GRID CHOKE COIL
M-O BAND CHANGE SWITCH
ANTENNA COUPLING SWITCH
CAPACITORS:
3/0.0004 MFD 3000 VOLTS
2/0.0005 MFD 5000 VOLTS
2/0.0004 MFD 5000 VOLT
2/0.00035 MFD 5000 VOLT
0.002 MFD 5000 VOLTS
0.0005 MFD 3000 VOLTS
0.0007 MFD 3000 VOLTS
12 MMF, 35 MMF
VAR. CAP. 8-26 MMF
RES. 15 OHM 4.5 WATTS
2 1/2" VERNIER DIAL
RIGHT ANGLE DRIVE
USED \$5.95 NEW \$7.95



BC-788 TRANSMITTER RECEIVER AIRCRAFT ALTIMETER, PULSE TYPE, TRANS. OUTPUT 50 WATTS, FIXED FREQUENCY 440 MHz, WITH TUBES 1/6L6 9/6AG5 & 1/5Y3. POWER REQ. 115 V. 400-2400 CYCLE. SIZE: 15 1/2 x 9 x 8; WT: 13 LBS. PRICE: USED \$18.95



OSCILLOSCOPE VIEWING HOODS: 5" ROUND TEKTRONIX MFG.; PLASTIC BARREL W/RUBBER VIEWER; SIZE: 5x11 1/2 WT: 4LBS. PRICE: NEW \$3.00 6"x5" RECTANGULAR HOOD; FOR INDICATOR BC-704-A; P/O SCR-521-A; SIZE: 6x5x9 1/2; WT: 4LBS. #27A937B IL \$3.

G-25A HAND TYPE MAGNETO GENERATOR USED TO RING TELEPHONE LINES; APPROX. OUTPUT 100 VOLTS. CAN BE USED AS SHOCK MACHINE, LIGHT SMALL LAMPS OR DRIVE WORMS OUT OF THE GROUND. PERMANENT MAGNETS. 4 1/2 x 2 1/2 DIA.; 1 1/2 LB. U. \$2.95.



DC AIRCRAFT MOTOR; GE #5A-50LJ29, 0.4 HP, 300 RPM. ARMATURE: 60V. @ 2.3 AMPS FIELD: 27 VOLTS @ 6.5 AMPS DUTY: 10 MIN. @ FULL PAINTING. SHAFT IS COPPERSCREW-TYPE 5/8 INCH DIA. FLANGE MTG. 3/8 INCH DIA. BODY SIZE: 6 1/2 x 4 1/2 x 4 1/2 WT: 11 LBS. \$4.95

SM-30-FR MOTOR, 115 VOLT 60 HZ 1/75 HP, 1-PHASE, 1750 RPM; 5/16 INCH DIA. SHAFT WITH FLY WHEEL THAT CAN BE REMOVED. SIZE: 5 1/2 x 4 1/2 x 4 WT: 5 LBS. \$2.95



JOHN OSTER TYPE C-24A-1B KS-5829 27 VDC, 0.01 HP 7000 RPM. SERIES MOTOR. SIZE: 3x2 DIA. SHAFT 1/8 DIA. WT: 1 LB. USED 75¢ UNUSED \$1.25



NSP-11-R SPEED REDUCER MOTOR, BODINE MFG. 115 VAC .3C AMPS; 1600 RPM SINGLE PHASE 60 HZ. 0.004 HP. GEARSHAFT RPM: 44; TORQUE: 2.8 IN-LBS. WITH STANDARD LINE PLUG AND ON-OFF SWITCH. SIZE: 7 1/2 x 5 1/2 x 4 1/2 SHAFT: 2x3/8" DIA. WT: 10 LBS PRICE: USED \$5.95

ART-13 MOTOR, 28 VDC. .05 HP @ 3900 RPM. REVERSIBLE; BALL BEARING. MOTOR WILL OPERATE ON 12 VDC. SIZE: 4 1/2 x 3 1/2" DIA. WT: 1 1/2 LB. PRICE: USED \$1.75 UNUSED \$2.75



DELCO MOTOR #5069466, 27.5 VDC 2.4 AMP. 1/30 HP 3600 RPM. SIZE: 5 1/2 x 2 1/2 DIA. SHAFT 1/2 DIA. WT: 1 1/2 LB. UNUSED \$2.95

TG-10 KEYER MOTOR, 115V. 60 HZ. 1550 RPM WITH 1-7/8" SHAFT GEARED TO 80 RPM. REMOVED FROM TG-10 EQUIPMENT. SIZE: 3 1/2 x 3 1/2 x 4 1/2 WT: 3 LBS. #3H3000-3 USED \$2.95

ELECTROLUX MOTOR 28.5 vdc 1.8 AMPS. 1/35 HP 220 RPM. SHAFT SIZE: 1 1/2 x 1/2 DIA. MOTOR SIZE: 4 1/2 x 3 1/2 DIA. WT: 5 LBS. USED \$3.95

WESTINGHOUSE BUSINESS MACHINE MOTOR, 0.025 HP. 115V. 50/60 HZ @ 1.2/1.0 AMPS. TO BE USED WITH 4 OR 3 MFD. CAPACITOR FOR 1425 OR 1725 RPM. SIZE: 4 1/2 x 4 1/2 x 5 LBS. SHAFT 5/16 x 1/2 FLATTENED FOR RUEBER SHOCK MTG. BRACKET. NEW \$4.95

TELETYPE MOTOR AC; 110 VOLT 60 HZ. SINGLE PHASE, NON-SYNCHRONOUS. 0.04 HP, 1800 RPM. 1.25 AMP. DOUBLE SHAFT 1 1/2 x 3/16 AND 5/8 x 3/16 MOTOR SIZE: 5 1/2 x 5 x 5 WT: 13 LBS. GE #28478 USED \$4.95

LEECE-NEVILLE 24 VDC @ 45 AMPS. 0.75 HP 4500 RPM. SPLINED SHAFT 5/8 x 3/4. WITH FOUR HOLE MOUNTING BASE AND FLANGE 4 1/2 x 4 1/2. MOTOR SIZE: 4 x 4 x 7; WT: 24 LBS LE TYPE 1504M UNUSED \$7.95

AC GEARHEAD MOTOR, GE #5KC-35KG; 115 VAC 60 HZ. 0.25 HP 1725 RPM. THERMALLY PROTECTED. WITH BOSTON RATIO GEARHEAD: 35 RPM, TORQUE 192 FT-LBS. RIGID CRD MTG. 1 1/2 x 6 x 6 1/2 LESS 1/2" DIA. SHAFT. SHPG. WT: 50 LBS. USED \$20.00

VE KS-5871-LOI MOTOR, 28.3 VDC @ 3.3 A. 5600 RPM. 0.04 HP SERIES WOUND. CONTINUOUS DUTY; REVERSIBLE WITH SPEED GOVERNOR. (MAY ALSO OPERATE AT 12 VDC AT REDUCED SPEED. SHAFT 3/8 x 1/2, OVERALL SIZE: 5 1/2 x 3 1/2 DIA. SHPG. WT: 7 LBS. USED \$7.95

MERCURY MOTOR 24 TO 28 VOLT DC 60 HZ. OPEN FRAME TYPE, APPROX. 2500 TO 3000 RPM DEPENDING ON THE OPERATING VOLTAGE AND LOAD. SIZE: 2 1/2 x 2 1/2 x 3 WT: 1 LB. #MER-MO2428 USED 75¢

OPEN FRAME MOTOR, 115V. 60 HZ. 500 RPM ONE DIRECTION, 1000 RPM THE OTHER. SHAFT 1/2 x 1/16" DIA. SIZE: 2x3x4 WT: 2 LBS. #B30B \$1.00

EMC TYPE 300, 45V. 60 HZ. 6.5 RPM. LIGHT OPEN FRAME 5x2x1 1/2. SHAFT: 1x3/16" DIA. WT: 1 LB. \$1.50.

GEARHEAD MOTOR, 115V. 60 HZ; 54 RPM, OPEN FRAME FOR MEDIUM USE. SHAFT 1/2 x 5/16" DIA. SIZE: 4x3x2 1/2 WT: 2 LB #3M203 UNUSED \$2.95

GEARHEAD MOTOR, 115V. 60 HZ. 3.44 RPM. OPEN FRAME TYPE FOR LIGHT USE. SHAFT 4x5/16" DIA. MOTOR SIZE: 6x2x3 WT: 2 LBS. #ZA-1056 \$1.95

ARN-6 BANDSWITCH GEAR AND MOTOR ASSEMBLY, 28 VDC. BENDIX M-4A MOTOR. ASSY. SIZE: 1 1/2 x 1 1/2 x 3 1/2; MOTOR SIZE: 1 1/2 x 2 1/2 x 1 1/2 WT: 3 LBS. \$2.95

B-701/R-107 MOTOR FROM AS-313/ARN-6 LOOP ANTENNA. OPERATES FROM 26 VOLT 400 HZ @ 2750 RPM. WILL OPERATE FROM 12 VDC 60 HZ. SIZE: 3x2 1/2 x 3 WITH 3/8" GEAR. WT: 2 LB. PRICE: USED \$3.95

DELCO PM MOTOR #5069466, 27.5 VDC, 10,000 RPM. IN ALUMINUM CASE GEARED TO WORM GEAR. WORM GEAR 2000 RPM. MOTOR SIZE: 1 1/2 x 1 1/2 x 2 1/2; CASE SIZE: 2 1/2 x 2 1/2 x 2 WT: 2 LBS. #3H3100A-1 \$3.95

DELCO PM MOTOR 5067125, 27.5 VDC, 10,000 RPM. TWO GOVERNORS, TAPERED SHAFT 3/16 x 1/16" DIA. MOTOR SIZE: 3x1x1 WT: 5 LBS. \$3.95

PM MOTOR ASSEMBLY & GEAR TRAIN USED IN R-44 RECEIVER FOR REMOTE TUNING. CONTAINS DELCO PM MOTOR #5069370, 10,000 RPM, AND IS GEARED TO TWO SHAFTS WITH A 3" AND 1/2" GEAR WHICH TURN AT 40 AND 80 RPM. ASSY. SIZE: 4 1/2 x 6 x 3, SHAFT 1/2 x 1/2 DIA. WT: 3 1/2 LBS. #3H3100-15 \$4.95

DELCO PM MOTOR, 12 VOLT DC, 10,000 RPM, GEARED TO ASSEMBLY. APPROXIMATELY 250 RPM TO PLASTIC WHEEL AND AND POT. SIZE: 4x3x2 WT: 1LB. #5092543/2 USED \$4.95

PINCOR BLOWER, CAST ALUMINUM HOUSING. 24 VDC SHUNT MOTOR, 5000 RPM, 10 CFM BLOWER. MOTOR NOISE FILTERED. SIZE: 3 1/2 x 4 1/2 x 4 WT: 5 LBS. USED \$2.95

JOHN OSTER 10 CFM BLOWER WITH MOTOR C2BP-1A. 27.5 VDC 0.01 HP, 6000 RPM. SIZE: 3 1/2 x 3 1/2 x 4 1/2 WT: 4 LBS. USED \$3.95

28 VDC BLOWER, 6200 RPM WITH THE OPTION OF EITHER A SHUNT MOTOR TYPE OR PM MOTOR. SIZE: 3x2 1/2 x 3 SHPG. WT: 4 LBS. BLOWER WITH SHUNT MOTOR \$3.95 BLOWER WITH PM MOTOR \$6.95

12/24 VOLT DC DUAL BLOWER, APPROX. 50 CFM, 1500 RPM @ 12 VDC; 100 CFM, 3000 RPM @ 24 VDC. SIZE: 10x5x5 WT: 7 LBS. USED \$3.95

LOW SPEED MOTOR, 230 V. 60 HZ, 10 RPM WITH GEARBOX. SHAFT 3/8 x 1/2 DIA. MOTOR SIZE: 2 1/2 x 2 1/2 x 4 WT: 2 LBS. USED \$1.95

PHONOGRAPH MOTOR, 80 VDC 60 HZ. 78 RPM. WILL ALSO OPERATE ON 115V. WITH RESISTOR. ON MOUNTING PLATE. SIZE: 3x3x3 WT: 2 LBS. USED 55¢



AY-201 SYNCHRO CONTROL TRANSFORMER, ROTOR 1 PHASE 26 V., STATOR 11.8 V. 400 CYCLE. SIZE: 1 1/2 x 1 1/2; SHAFT 1/16 x 1/2. VARIOUS MANUFACTURE PRICE: REMOVED FROM EQUIP. \$2.95

AY-165 AUTOSYN DIFFERENTIAL, 400 CYCLE, 11.8 V. 3 PHASE ONE TO ONE RATIO. BENDIX & OTHERS. SIZE: 1 1/2 x 1 1/2. PRICE: REMOVED FROM EQUIP. \$2.95 AY-231 AND AY-232 SAME SPECS. AS ABOVE.

AY-123 AUTOSYN RESOLVERS; 400 CYCLE, ROTOR 2 PHASE 26 VOLT, STATOR 2 PHASE 11.8 VOLT. PRICE: REMOVED FROM EQUIP. \$2.95

AY-177-B1 AUTOSYN DIFFERENTIAL 400 CYCLE 3 PHASE 11.8 V. TO 3 PHASE RATIO 1-1 SIZE: 1 1/2 x 1 1/2; SHAFT 1/16 PRICE: NEW \$2.95

SYNCHRO GENERATOR SPERRY #R5663642, MFG. BY BENDIX. SIMILAR TO BENDIX AY-401-2, OPERATES FROM 26 VOLTS 400 CYCLE SINGLE PHASE WHEN USED IN CONJUNCTION WITH AY-201 CONTROL TRANS. IT WILL OPERATE UP TO 20 UNITS. SIZE: 2 1/2 x 2 1/2; WT: 12 OZ. PRICE: NEW \$2.95

SPERRY RAY-24B, RAY-250, RAY-251, 662428, 662-426, 652174 AND OTHERS. PRICE: RE-MOVED \$2.95

HUGHES RESOLVER 810229, 810228, 810227 RM \$2.95 KETAY TRANSFORMER K-101300-20 RE-MOVED \$2.95

23CX4 TRANSMIT. 115 V. 400 CYC USED \$ 8.95
23TX4 " " " " " " " " 8.95
23TX6 " " " " " " " " 12.95
23CT4 Con/Trans. " " " " " " " " 8.95
23RS4A RESOLVER 90/90V " " " " " " " " 8.95
23CT6 TRANSFORMER 90/1V PER. DEG. "60cy 8.95

2JIHI SELSYN DIFFERENTIAL GENERATOR NORMALLY OPERATES FROM 57.5/57.5 VOLTS 400 CYCLE BUT WILL OPERATE FROM 26 VOLT 60 CYCLE AS SHOWN IN WIRING DIAGRAM ON PAGE 31. SIZE: 2 1/2 x 4 1/2; WT: 8oz. PRICE WITH CONNECTOR CAPS.....\$3.95

DAYSTROM TRANSCOIL CONTROL MOTOR 115 VOLT 60 CYCLE, 1 PHASE, 2 PHASE 200 VOLT CT. 3200 RPM. SIZE: 2 1/2 x 2, SHAFT SIZE: 1/16 x 1/2 WITH GEAR. REMOVED FROM NEW EQUIPMENT. PRICE: \$5.00

GE SELSYN CONTROL TRANSFORMER 57.5/57.5 VOLTS 400 CYCLE. (WILL OPERATE FROM 26 VOLTS 60 CYCLE) SIZE: 2x2; 1 LB. PRICE NEW \$3.95

DIEHL SELSYN TRANSFORMER 812732 115 VOLT 400 CYCLE. (CAN BE OPERATED ON 60 CYCLE WITH CAPACITOR) SIZE: 2 1/2 x 2 1/2; 3 LB. RE-MOVED \$2.95

BENDIX LM108JA 24 VDC, 0.04 HP 15,000 RPM. SERIES MOTOR. GENEVA LOC. ACTUATOR. SHAFT ROTATES 1/2 REVOLUTION, STOPS, AND IS LOCKED INTO PLACE UNTIL NEXT CONTACT IS MADE. THEN THE NEXT CYCLE IS REPEATED. APPROX. CYCLE TIME: THREE SECONDS. SHAFT SIZE: 3/8 x 1/2 DIA. MOTOR SIZE: 4x2 1/2 x 5 1/2 WT: 2 LBS. USED \$4.95

LINEAR ACTUATOR, STAT. 200, TENS. 40, COMP. 40. ARM TRAVEL 5/16". MOTOR 115V. 400 HZ, 1600 RPM. DUTY 1/10, 0.04 HP. TORQUE: 6.7 IN-OZ. SIZE: 5x5x3 1/2 WT: 5 LB. AIRSEARCH#34930 USED \$3.95

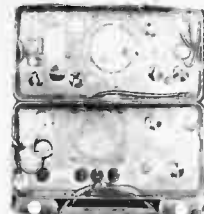
LINEAR ACTUATOR, STAT. 200, TENS 75-100, COMP. 75-100. ARM TRAVEL 3/8". MOTOR 115V. 400 HZ, 0.025 HP 6500 RPM. DUTY 1/10, TORQUE: 3.9 IN-OZ. SIZE: 5x8 1/2 x 4 1/2 WT: 5LB AIRSEARCH#3D146-120 USED \$3.95

RATCHET MOTOR, 24 VDC 60 RPM CONTINUOUS. ALSO THREE POSITION STOP. BAND SWITCH ASSEMBLY AS. USED IN R-5/ARN-7 COMPASS RECEIVER. UNIT WILL ALSO OPERATE FROM 18 TO 24 VDC. SIZE: 3x4x1 1/2 WT: 2 LBS. #609-ARN-7 \$1.25

GENERAL INDUSTRIES HEAVY DUTY PHONOGRAPH MOTOR, 115 VOLT AC 60 HZ. 33-1/3 RPM. SIZE: 4x4 1/2 x 4 WT: 6 LBS. G1#4483 USED \$1.95

JUST RELEASED

RADIO TELEPHONE LINK



AN/GRR-5 RADIO RECEIVING SET FOR USE IN THE 1.5 TO 18 MHZ RANGE, 4 BANDS, 115 VOLTS 50 OR 60 CYCLE, 6, 12, 24 VDC OR DRY CELL BATTERIES 90 AND 1.5 VDC. CAN BE USED FOR OPERATION THE SET CONSISTS OF THE R-174 RECEIVER WHICH IS A SUPERHETERODYNE RECEIVES AM, CW AND MCW SIGNALS, WITH CONTINUOUS TUNING AND FACILITIES FOR PRESETTING ANY 10 CHANNEL FREQ., 200 KHZ CRYSTAL CALIBRATOR, 455 KHZ IF WITH TUBES 1/3V4, 3/1R5, 3/1L4 & 1/1U5. THE OUTPUT OF THE REC. IS FEED INTO A HEAVY DUTY 4" SPEAKER THAT IS PART OF THE PP-308 POWER SUPPLY AND TO OUTPUT PHONE JACKS ON THE REC. PP-308 POWER SUPPLY FURNISHES ALL THE VOLTAGE REQUIRED WHEN ANY OF THE POWER SOURCES ARE APPLIED AS STATED ABOVE AND IT ALSO CONTAINS THE SPEAKER. BOTH UNITS ARE MOUNTED IN A TWO COMPARTMENT CABINET THAT IS SHOCKMOUNTED. PP-308 IS SUPPLIED WITH TUBES 2/6AG7, 1/1007 & 1/0B2.

SIZE: 13 1/2 x 8 1/2 x 1 1/2; WT: SHPG. 75 LBS. ACTUAL 62
PRICE: USED, REPARABLE \$49.50 CHECKED \$59.50
POWER INPUT PLUG ONLY \$2.00; FIVE (5) FT AC LINE CORD 50¢; 15 FT. OC CORD \$1
MANUAL FOR AN/GRR-5 \$7.50



AN/TRC-47 RADIO SET IS PRIMARILY USED AS PART OF A 3 MILE SINGLE CHANNEL RADIO LINK IN A TWO WIRE TELEPHONE SYSTEM. A CONVERTER IS USED TO CONNECT THE TWO SYSTEMS. THE UNIT IS SINGLE CHANNEL AM CRYSTAL CONTROL FOR USE IN THE 132 TO 150 MC BAND AND REQUIRES 115 OR 230 VOLTS 50 TO 400 CYCLE FOR OPERATION. THE TRANSMITTER OUTPUT IS 7 WATTS AND COMES WITH TUBES 1 EA. 2E26, 5763, 5R4, 6AK6, 0A2 12AX7, 2 EA. 12AU7 & 6L6, TUNING METER & METERING SW....RECEIVER HAS SPEAKER AND TUBES 1 EA. 12AT7, 6AK5, 12AX7, 6AX5, 2 EA. 6BA6, 6J6, 0E2 & 4/6AK5...THE CONVERTER IS A COMBINED RINGING SIGNAL CONVERTER AND ELECTRONIC HYBRID NETWORK. IT CONVERTS A 20 CYCLE SIGNAL TO A 800 CYCLE AND 800 CYCLE FROM THE REC TO 20 CYCLE SO THE SIGNALS CAN BE TRANSMITTED AND ADAPTES TO TWO AND FOUR WIRE TEL. SYSTEMS. WITH TUBES 3 EA. 12AT7, 1 EA. 6AS6, 6AK6, 0E2, 2/0A2 & 3/6X4.

CABINET SIZE 21 1/2 x 14 1/2 x 2 1/2; SHPG. WT: 100 LBS.
PRICES: USED SERVICEABLE \$59.50

RT-159/URC-4 RADIO RECEIVER-TRANSMITTER USED FOR GROUND TO AIR-CRAFT RESCUE WORK. VHF FREQ. 120-130 MC. UHF FREQ. 240-260 MC. CRYSTAL CONTROL TRANSMITTER, SUPER REGENERATIVE RECEIVER. DIPOLE COLLAPSIBLE ANTENNA AND COMB. MIC & EARPHONE ARE PART OF THE SET. WITH 8 TUBES 4/6050, 2/6147, 2E32, & 3G4. BATTERY VOLTAGES REQUIRED 1.4 AND 90 VDC. UNITS USED SERVICEABLE.
SIZE: 3 1/2 x 7 x 2 1/2; WT: 3LBS. PRICE: USED \$14.95



URC-4 TEST SET TS-684/URM-30 USED FOR ALIGNMENT AND TESTING URC-4 RADIO SET. CONTAINS 0-1 MA METER METERING SWITCH, CRYSTAL OSCILLATOR, ANTENNA, CABLES ETC. IN CASE.
SIZE: 6x6x4; WT: 4 LBS. NEW \$9.95

RT-285/URC-11 RECEIVER-TRANSMITTER SIMILAR TO URC-4 RESCUE UNIT FOR USE BETWEEN AIRCRAFT AND GROUND. UNIT IS SET FOR 243 MC. TELESCOPING ANT. REC.-TRANS-TONE SW. BUTTON VOLTAGES REQ. 1.4 & 90 VDC. SAME AS URC-4 ALSO URC-4 TEST SET CAN BE USED. TS-684 SHOWN ON PAGE 16
SIZE: 3x1 1/2x4; WT: 1 1/2 LBS.
PRICE: USED..... \$18.95

TS-712/TCC-11 TELEPHONE TEST SET IS A BATTERY-OPERATED PORTABLE UNIT WITH FACILITIES FOR MAKING TEST OF REPEATER TCC-11 AND ALSO RINGING 1600 CPS. THE 1600 CPS IS BY TRANSISTOR OSC. CIRCUIT USING ONE 2N21. THE AMPLIFIER CIRCUIT USES 2/1U5 TUBES. BATTERY VOLTAGE REQ. 1.5 V. & 90 V. HAS 3 1/2" RUGGEDIZED DB METER -12 TO -8 BASIC 100 MICROAMP. SELECTOR SW. 8 POS. 2EA. 3 POS. BINDING POSTS FOR CONN. EXTERNAL TELEPHONE. HOUSED IN ALUMINUM CASE W/HASP COVER (6).
SIZE: 7 1/2 x 9 1/2 x 1 3/8; WT: 19 LBS. \$19.95

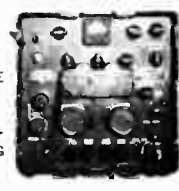
TELEMETER PROGRAM SELECTOR FOR PAY TELEVISION
CHOICE OF THREE PROGRAMS WITH PROVISIONS FOR DEPOSITING THE AMOUNT OF MONEY REQ. FOR EACH PROGRAM AS INDICATED ON THE COIN REGISTER WHICH ALSO SHOWS THE CREDIT BALANCE. THE PRE-RECORDED TAPE GIVES THE PROGRAM INFORMATION. (THE EXACT FREQ. OF THE SIGNAL CARRYING THE VIDEO AND SOUND IS NOT KNOWN BUT IS THOUGHT TO BE ABOUT 35 MC. WITH A 8 MC. SIGNAL FOR TRIGGERING THE CONTROL MECHANISM. SIZE: 15x7x7; WT: 25 LB!
THE ITEMS LISTED BELOW ARE PART OF THIS UNIT AND CAN BE PURCHASED SEPARATELY.
COMPLETE UNIT #1001/5 \$9.95
CABINET ONLY; HIGH IMPACT PLASTIC, 3LBS. \$2.25

REGISTER MECHANISM FROM T.V TELEMETER PROGRAM SELECTOR, SHOWN ON PAGE 24 OF REGULAR CATALOG. CONTAINS 2 ACTUATING PLATE SELENIUMS 300 & 1200 OHM, 1 5 RPM 115 V. 60 CYCLE SYNCHRONOUS MOTOR, 1 115V 60 OPEN FRAME MOTOR GEARED, CONTACTS, GEARS, LIGHTS ETC. #TELE-Reg.1001
SIZE: 7x5x6; WT: 5 LBS. A GOOD BUY FOR \$4.95

TAPE MAGAZINE 1/2" CONTINUOUS REEL APPROX. 66 FT. WITH RECORDING HEAD TENSION ROLLERS. UNIT WAS USED WITH THE REGISTER MECHANISM WHICH TURNED AT 20 RPM. CAN ALSO BE USED AT OTHER SPEEDS IF PROPERLY COUPLED. PART OF THE COIN COLLECTOR FOR THE TV TELEMETER UNIT. #TAPE MAG.1001
SIZE: 4x6 1/2 x 3; 2 LBS. PRICE: \$2.95

TELEMETER TV CHASSIS #334 WITH TUBES 1/6BE6, 3/6UBA 1/12BH7 & 1/6BABA, 4" SPEAKER, PLATE RELAYS 1 3000 OHM COIL SPOT & SPST NORM. CLOSED, 1 3000 OHM 2PST NORM. OPEN. THE R.F. SECTION IS APPROX. 8 MC. WITH CRYSTAL OF 8135. THE 115 VOLT 60 CYC. POWERSUPPLY IS 150 VDC 100 MA. AND 6.3 3A. CHASSIS SIZE 10 1/2 L. x 6 DEEP x 6 HIGH WITH SPEAKER. WT: 10 LBS.
TELE-CHASS. 1001 \$5.95

R-392/UHR RADIO RECEIVER 500 MHZ TO 32 MHZ IN 32 BANDS OF 1 MHZ EA. EXCEPT 500 MHZ TO 1 MHZ IS 1/2 MHZ. TYPE SIGNAL IS CW, MCW, VOICE AND FREQ. SHIFT KEYING, TRIPLE CONVERSION ON LOWER 8 BANDS, DOUBLE ON ALL OTHER BANDS, CONTINUOUS TUNING READ DIRECTLY ON COUNTER TYPE INDICATOR, CALIBRATOR IS BUILT IN, 100 KHZ POINTS CRYSTAL CONTROL. WITH 25 TUBES CONSISTING OF 26A7, 26A6, 12AU7, 26C6 AND 26D6. POWER REQUIRED FOR OPERATION 24/28 VDC @ 3 AMPS. ONLY, NO OTHER VOLTAGES REQ. HIGH-PERFORMANCE, RUGGED DESIGNED/MOBILE SIZE: 11 1/2 x 14 1/2 x 1 1/2; WT: ACTUAL 52 LBS. SHPG. 70
PRICE: USED, REPARABLE \$295.00 CHECKED \$350
POWER INPUT PLUG \$2.00 MANUAL \$8.50



RC-263 TRANSMITTING EQUIPMENT; 1.5 TO 10 MC CRYSTAL CONTROL OR M.O. ON ANY 4 PRESELECTED CHANNELS WITH LOCAL OR REMOTE DIALING OF "CW" OR "OFF" CHANNEL SELECTION ETC. 75 WATT C.W 50 WATT PHONE. POWER REQ. 100 TO 260 V. 25-60 CYCLE FOR OPERATION OF THE BUILT IN POWER SUPPLY. THE BC-1100 TRANSMITTER CAN BE OPERATED REMOTELY AND COMES WITH TUBES 6/6L6, 3/807, 1/VR-150, 1/5Z3 & 2/RK-60. THE RM-40 CONSISTS OF AMPLIFIER W/LINE LEVEL METER, MICROPHONE CIR. SWITCHING AND PULSE DIAL CIRCUITS TO CONTROL THE TRANS. WHICH CAN BE DONE OVER TEL. LINES. WITH TUBES 2/6J5 & 1/80.
TRANS. SIZE: 18x40x30; WT: 411 LBS.
REMOTE " 10x14x13 1/2; WT: 50 LBS.
SPARE PARTS BOX CONTAINS THE OPERATING TUBES, SPARE TUBES 16 SAME AS USED IN EQUIP. 2 HAND TYPE CHROME, CARBON MICS. 100 OHM, 7 METERS, 8 RELAYS, 1 SWITCH, 25 RESISTORS, 20 CONDENSER 110 FUSES, 2 RECT. 2 RHEO. 2 POTS, 24 LAMPS ETC
ALSO 2 MANUALS. SPARE PARTS BOX WEIGHT 72 LBS
PRICE: BC-1100, RM-40 & SPARE PARTS \$195.00
WITH BC-1100 & RM-40 W/OPERATING TUBES \$150
MANUAL BC-1100 W/OPERATING TUBES \$125.00
RM-40 REMOTE CONTROL UNIT ONLY \$35.00

USED \$3.95
PORTABLE REPEATER
EE-89 TELEPHONE REPEATER; PORTABLE BATTERY OPERATED, 2 WAY LINE UNIT, CAN BE USED AS TERM. OR INTERMEDIATE AMPLIFIER, USES ONE 3Q5GT TUBE, INCLUDES HEADSET ELEMENT FOR MONITORING AND GAIN CONTROL. BATTERY VOLTAGE REQUIRED 1.5 & 90 VDC. IN WOOD CASE W/CARRING STRAP. SIZE: 6x9x8; WT: 12 LBS.

EE-101 TELEPHONE RINGING EQUIPMENT USED FOR CONVERTING 20 CYCLE RINGING TO 1000/20 CYCLE ALSO 1000 TO 20 CYCLE FOR OPERATING TELE. DROPS ON 2 CHANNELS. POWER REQ. 115 OR 230 V. 50/60 CYCLE OR 12 VDC. WITH TUBES 6/6SJ7, 1/6V6. SIZE: 19x9x10; WT: 75 LBS. USED \$10

TG-30 TELEGRAPH REPEATER TERMINAL FOR TRANSMITTING OR RECEIVING ON A HALF DUPLEX ONE CHANNEL OPERATION. CAN BE USED TO INTERCONNECT NEUTRAL AND POLAR TELEGRAPH OF TELETYPE SYSTEMS ON SIMPLEX OR COMPOSITED RETURN CIRCUITS. SPEEDS 60/66 POWER REQ. 115/230 V. 50/60 CYC. 150 LBS. SHPD. IN WOOD CHEST 25x16x14 USED \$16.95

RA-133 POWER SUPPLY; VOLTAGE REGULATED FOR BC-221, TS-175 AND SIMILAR TYPE FREQ. METER INPUT 115/230 V. 50/60 CYCLE OUTPUT 125 VDC & 6.3 VAC. FITS IN BATTERY COMPARTMENT. SIZE: 8 1/2 x 7 x 4 1/2; WT: 10 LBS. USED \$24.95

MAGNETRON
O-444/ALT-68 OSCILLATOR SECTION WITH TYPE L-3110-A MAGNETRON TUBE AND AIR PUMP MOTOR WITH FITTINGS FOR "L" BAND WAVE GUIDE SIZE 1 1/2 x 2 1/2. 3000 TO 4000 MHZ. MOTOR 27 VOLTS DC. SIZE: 7x13 1/2 x 11; WT: 23 LBS.
PRICE: USED \$24.95


IDENTIFICATION SET
RT-82/APX RADAR IDENTIFICATION SET RECEIVER-TRANSMITTER COVERING RANGE OF 950-1150 MC. IF FREQ. 59.5/1.5 MC. (CAN BE CONVERTED TO 1215 MC. QST FEB. '61, SEPT. '60; 1296 MC. QST JUNE '61). WITH (30) TUBES 6/6J6, 1/6AS6, 1/3E29, 3/6AL5, 1/5Y3, 2/3B24, 3/6AL5, 2/12AU7, 7/6AK5, 1/2CA2, 1/2CA6, 1/1B40, 1/1N-43, 1/1N-25. DIGIT COUNTERS ON TUNERS FOR TRANS-REC-LO FREQ. CONTROLS. VOLTAGE REQUIRED 24 AND 115 400/800 CYCLES. SIZE 13x13x10; WT: 45 LBS. \$39.50
PRICES: USED \$18.95 GOV'T RE-COND.

APX-6 R.F. HEAD A-403 P/O RF-29 WITH COUNTERS AND ANTENNA INPUT. USES TUBES 2CA2, 2CA6 & 1B40 8x8 1/2 x 3; WT: 6 LB. \$8.95

R-38C/MPN RECEIVER 30 MC T.R.F. PULSE RECEPTION RADAR "S-X" WITH AFC AND GAIN CONTROLS AND TEST JACKS. 117V. 60 CYCLE VOLTAGE REGULATED POWER SUPPLY. WITH TUBES 7/6AC7, 3/6BA6, 2/6SN7, 2/6V6, 2/6SJ7, 2/5BR4G, 2/VR-105, VR-150, 884, V11, 6H6. RACK MTC. 19x8x20 1/2; WT: 100 LBS. PRICE: \$25.00

Control Boxes Filters Indicators Tuning Units Amplifiers

VACUUM CAPACITOR




VACUUM CAPACITOR 3 MMFD 15 KVDC, PLUS OR MINUS 10% W/ CONNECTORS. SIZE 5/8x4; 8oz. JENNINGS TYPE Y-3 \$1.50


WESTERN ELECTRIC No. 8047 50 MMF, 5 KV, 5 AMP. SIZE: 1 1/2x1 1/2; 4 OZ. U/WBC442 \$2.50

C-345A/MRC-2 CONTROL BOX HAS VOLUME CONTROLS, PHONE & SPEAKER JACKS, FOR TWO RECEIVERS A & B. ALSO 2 1/2 FT CORDS W/PL-68 PLUGS TO CONNECT THE UNIT WITH A & B. 6x3 1/2x2 WT: 4LB PRICE: \$3.95

FL-8 BEAM FILTER AIR FORCE TYPE ACCEPT OR REJECT 1020 CYCLES. NO CORDS OR PL-5E SIZE: 2 1/2x2 1/2x3 1/2 WT: 1 1/2 LB. \$2.50



TL-150 TUNING WAND FOR BC-659, BC-620 \$7.75



SIDE BAND Loading Coil C-114 - \$1.50



PHONE PATCH TRANSFORMER C-161 - \$1.50



HORN

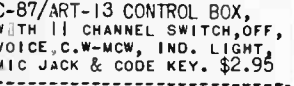
AIRCRAFT HORN SIGNAL WARNING EMERGENCY. TYPE J-1 PART# 71918 24 VOLT DC. 4"x1 1/2" 1LB PRICE: \$2.00



TELECORD REMOTE CONTROL 3 NEON IND. 2 SPST PUSH SW W/25' 7 COND. CORD. 3x2x5 1/2; 5 LB. NEW \$4.95



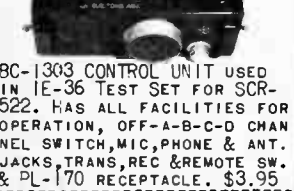
C-87/ART-13 CONTROL BOX, WITH 11 CHANNEL SWITCH, OFF, VOICE, C.W-MCW, IND. LIGHT, MIC JACK & CODE KEY. \$2.95



C-626/ARC-27 CONTROL BOX. AUTOMATIC CHANNEL SELECTOR PRESET MECH. W/ 24 V. DC MOTOR, RELAYS, GEARS ETC. SIZE 6 1/2x6x5; WT: 13 LBS. PRICE: USED \$4.95



BC-1303 CONTROL UNIT USED IN IE-36 TEST SET FOR SCR-522. HAS ALL FACILITIES FOR OPERATION, OFF-A-B-C-D CHANNEL SWITCH, MIC, PHONE & ANT. JACKS, TRANS, REC & REMOTE SW. & PL-170 RECEPTACLE. \$3.95



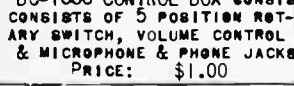
ALARM BELL OPERATES ON 24 VDC. 4 1/2x4 1/2x2 1/2 #561-3 \$1.25



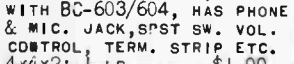
BC-1366 C-4/APN-7 RADIO COMPASS CONTROL BOX USED W/R-5, 5A ARN-7, THREE BANDS 200-1750 2" TUNING METER & GRAIN OF WHEAT LAMPS. TAKES MC-124 CONTROL SHAFT. USED \$3.95 FT-224 MOUNTING FOR C-4 BOX WITH TERMINAL STRIP & PLUG USED \$1.50



BC-1366 CONTROL BOX CONSISTS OF 5 POSITION ROTARY SWITCH, VOLUME CONTROL & MICROPHONE & PHONE JACKS PRICE: \$1.00



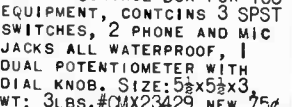
BC-606 CONTROL BOX; USED WITH BC-603/604, HAS PHONE & MIC. JACK, SPST SW. VOL. CONTROL, TERM. STRIP ETC. 4x4x2; 1 LB. \$1.00



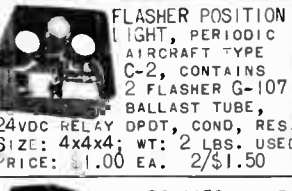
C-493A/VRC-2 CONTROL BOX W/ VOL. & SQUELCH CONTROLS, RED & GREEN IND. LIGHTS, AND STD 4-PRONG AMPHENOL MIKE RECEPTACLE. SIZE: 7x2 1/2x2 1/2 WT: 3LB PRICE: UNUSED \$2.95



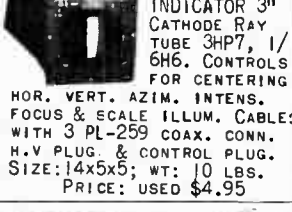
REMOTE CONTROL BOX FOR TCS EQUIPMENT, CONTAINS 3 SPST SWITCHES, 2 PHONE AND MIC JACKS ALL WATERPROOF, 1 DUAL POTENTIOMETER WITH DIAL KNOB. SIZE: 5 1/2x5 1/2x3 WT: 3LBS. #CMX23429 NEW \$7.50



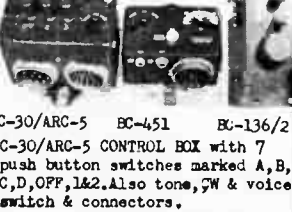
FLASHER POSITION LIGHT, PERIODIC AIRCRAFT TYPE C-2, CONTAINS 2 FLASHER G-107 BALLAST TUBE, 24VDC RELAY DPDT, COND. RES. SIZE: 4x4x4; WT: 2 LBS. USED PRICE: \$1.00 EA. 2/\$1.50



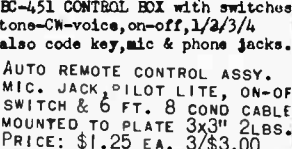
BC-1152 SCOPE INDICATOR 3" CATHODE RAY TUBE 3HP7, 1/6H6. CONTROLS FOR CENTERING HOR. VERT. AZIM. INTENS. FOCUS & SCALE ILLUM. CABLES WITH 3 PL-259 COAX. CONN. H.V. PLUG & CONTROL PLUG. SIZE: 14x5x5; WT: 10 LBS. PRICE: USED \$4.95



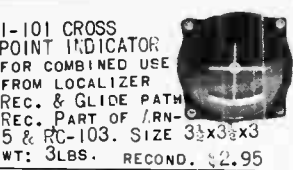
C-30/ARC-5 BC-451 BC-136/2 C-30/ARC-5 CONTROL BOX with 7 push button switches marked A, B, C, D, OFF, 1 & 2. Also tone, SW & voice switch & connectors. Price... \$1.00 BC-451 CONTROL BOX with switches tone-CW-voice, on-off, 1/2/3/4 also code key, mic & phone jacks.



AUTO REMOTE CONTROL ASSY. MIC. JACK, PILOT LITE, ON-OFF SWITCH & 6 FT. 8 COND CABLE MOUNTED TO PLATE 3x3" 2LBS. PRICE: \$1.25 EA. 3/\$3.00



1-101 CROSS POINT INDICATOR FOR COMBINED USE FROM LOCALIZER REC. & GLIDE PATH REC. PART OF IRR-5 & RC-103. SIZE 3 1/2x3 1/2x3 WT: 3LBS. RECOND. \$2.95

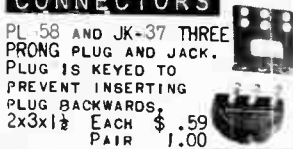


CAMERA LIGHT FILTER GRAY COLOR 50% TRANS. SCREW IN MOUNTING. 2-23/32 69MM DIA. WRITTEN DENSITY .30 FOR WOLLENSAK TYPE V254 MM F4.5 35 MM P/O PH330G CAMERA 8A1101-50 \$1.95



CONNECTORS

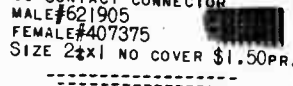
PL-58 AND JK-37 THREE PRONG PLUG AND JACK. PLUG IS KEVED TO PREVENT INSERTING PLUG BACKWARDS. 2x3x1 1/2 EACH \$.59 PAIR 1.00



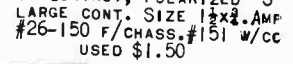
CONNECTOR PLUGS 15 CONTACT SIZE: 2 1/2x1 1/2x3 PER PAIR \$1.50 P-601



18 CONTACTS 2 1/2x2x1 P-2802 PER PAIR \$2.00



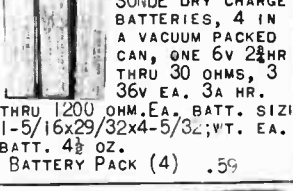
35 CONTACT CONNECTOR MALE #621905 FEMALE #407375 SIZE 2 1/2x1 NO COVER \$1.50 PR.



15 CONTACT, POLARIZED 3 LARGE CONT. SIZE 1 1/2x2 AMP #26-150 F/CHASS.#151 W/CC USED \$1.50



GENERAL ELECTRIC HEAVY DUTY MULTI-SWITCH FOUR CONTACT POSITION & OFF. POS. 1 & 2, 2 & 3, AND 3&1 SIZE: 5x4x2 1/2; WT: 3 LBS. GE#16SBI6F11X4/SF-1 \$4.95



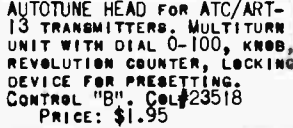
BB-208/AMT RADIOSONDE DRY CHARGE BATTERIES, 4 IN A VACUUM PACKED CAN, ONE 6V 2 1/2HR THRU 30 OHMS, 3 36V EA. 3A HR. THRU 1200 OHM. EA. BATT. SIZE 1-5/16x29/32x4-5/32; WT. EA. BATT. 4 1/2 OZ. BATTERY PACK (4) .59




N-T-6 PLASTIC STORAGE BATTERY DRY CHARGE, 6 VOLT 4 AMP. 3 1/2x 2 1/2x2; 1 1/2 LB \$3.95



WILLARO PLASTIC STORAGE BATTERY 2 VOLT 28 AMP. HOUR NON-SPILLABLE, BALL INDICATOR DRY CHARGE, ADD ELECTROLYTE SIZE 4x5x3; WT: 4LB. \$2.95

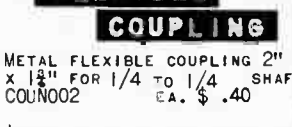


SINGLE BAND BEAM BALUNS INPUT 75 OHM-BALANCED. OUTPUT 100 OHM-BALANCED. 10, 15, AND 20 METER UNITS. WEATHERPROOF. 3 1/2x3 1/2x4 WT: 5LBS SPECIFY METER BAND 10, 15 OR 20. PRICE: NEW \$1.95

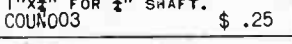


FLEXIBLE COUPLING

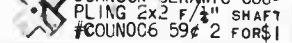
METAL FLEXIBLE COUPLING 2" x 1 1/2" FOR 1/4 TO 1/4" SHAF COUN002 EA. \$.40



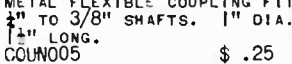
INSULATED FLEXIBLE COUPLING 1" x 1/2" FOR 1/8" SHAFT. COUN003 \$.25



JOHNSON CERAMIC COUPLING 2x2 F 1/4" SHAFT #COUN006 59¢ 2 FOR \$1



METAL FLEXIBLE COUPLING FIT 1/2" TO 3/8" SHAFTS. 1" DIA. 1 1/2" LONG. COUN005 \$.25



TERMINAL BOARD, P/O BD-71 SWITCHBOARD HAS 15 BRASS BINDING POSTS ON INSULATING BOARD SIZE 3 1/2x16 1/2; WT: 3LB PRICE: \$1.50 EACH 4/\$5.00

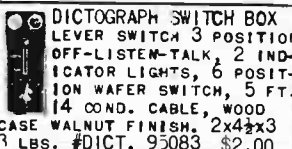


LANDING GEAR

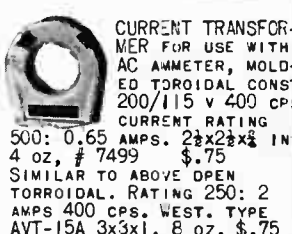
SWITCH ASSEMBLY, SINGLE POLE DOUBLE THROW, PLUNGER TYPE, PLUNGER IS DEPRESSED OPENS ONE CONTACT, CLOSES OTHER, SPRING RETURN. SIZE 3 1/2x2 1/2x1 1/2, PLUNGER 2 1/2. WT: 8 OZ. PRICE: \$1.50



DICTOGRAPH SWITCH BOX LEVER SWITCH 3 POSITION OFF-LISTEN-TALK, 2 INDICATOR LIGHTS, 6 POSITION WAFER SWITCH, 5 FT. 14 COND. CABLE, WOOD CASE WALNUT FINISH. 2x4 1/2x3 1/2 LBS. #DICT. 95083 \$2.00



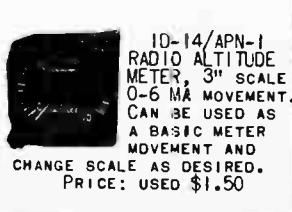
CURRENT TRANSFORMER FOR USE WITH AC AMMETER, MOLDED TOROIDAL CONST 200/115 V 400 CPS CURRENT RATING 500: 0.65 AMPS. 2 1/2x2 1/2x2 1/2 IN. 4 OZ, # 7499 \$.75



RIGHT ANGLE DRIVE WITH SPIM KNOB AND 1 1/2" DIAL INDICATOR. 1 1/2x5/16 SPLINE SHAFT. 2 1/2x1 1/2x1 1/2; #9922 \$1



VERNIER DIAL 2 1/2" 100 TO 0 SCALE. TAKES 1/8" SHAFT. PRICE: \$2.00

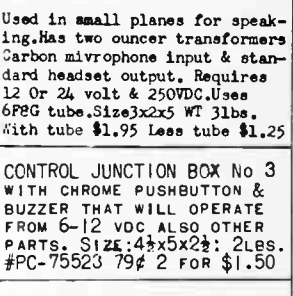


BC-347 AIRCRAFT INTERPHONE AMPLIFIER

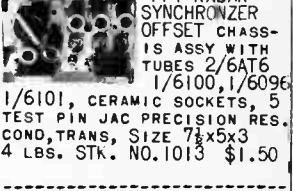


Used in small planes for speaking. Has two oncner transformers Carbon microphone input & standard headset output. Requires 12 Or 24 volt & 250VDC. Uses 6P8G tube. Size 3x2x5 WT 3lbs. With tube \$1.95 Less tube \$1.25

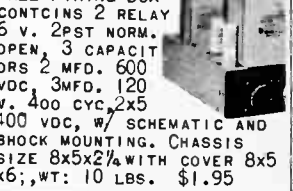
CONTROL JUNCTION BOX No 3 WITH CHROME PUSHBUTTON & BUZZER THAT WILL OPERATE FROM 6-12 VDC ALSO OTHER PARTS. SIZE: 4 1/2x5x2 1/2; 2LBS. #PC-75523 79¢ 2 FOR \$1.50




PPI RADAR SYNCHRONIZER OFFSET CHASSIS ASSY WITH TUBES 2/6AT6 1/6100, 1/6096 1/6101, CERAMIC SOCKETS, 5 TEST PIN JAC PRECISION RES. COND, TRANS, SIZE 7 1/2x5x3 4 LBS. STK. NO.1013 \$1.50



FREE FIRING BOX CONTAINS 2 RELAY 6 V. 2PST NORM. OPEN, 3 CAPACITORS 2 MFD. 600 VDC, 3 MFD. 120 V. 400 CYC, 2x5 400 VDC, W/ SCHEMATIC AND SHOCK MOUNTING. CHASSIS SIZE 8x5x2 1/2 WITH COVER 8x5x6; WT: 10 LBS. \$1.95



VERNIER DIAL 6" 2 SCALES WITH LOCK. USED ON TAJ TRANSMITTER MO TUNING. 5 LBS. \$3.50



VIBRATORS

VB-16/6, 12 OR 24 VOLT FOR PE-237 \$3.95

TYPES LISTED BELOW \$1.95 EACH

VB-1/6VOLT FOR PE-117 PE-97 & PE-237 SAME AS VB-7

VS-3/6VOLT FOR PE-104 SAME AS MALL-550C

G534/12 VOLT FOR PE-110

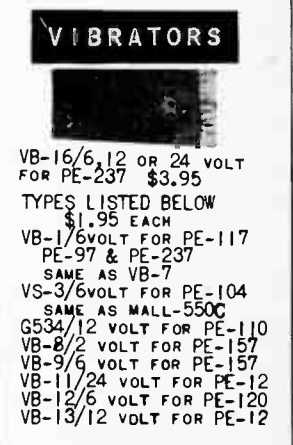
VB-8/2 VOLT FOR PE-157

VB-9/6 VOLT FOR PE-157

VB-11/24 VOLT FOR PE-12


VB-12/6 VOLT FOR PE-120

VB-13/12 VOLT FOR PE-12



BB-51 BATTERY 6 VOLT 2.75 HOURS THRU 300HME LEAD CELLS SIZE 1 1/2x3 1/2x7/8. 5 OZ. DRY CHARGE PRICE: 3 FOR \$1.00

BB-52 BATTERY, SAME AS BB-51 EXCEPT 36V. EA. 3A. HR. THRU 1200 OHM. PRICE 3 FOR \$3.95



MINIMUM ORDER \$3.00

DC. SUPPLIES

OPERATE FROM 115 VOLTS 60 CYCLE AND ARE COMPLETE WITH TRANSFORMER, RECTIFIER, CAPACITOR, SWITCH, LINE CORD, PILOT LIGHT, LINE FUSE ETC. INDICATED RATINGS ARE FOR LOAD CONDITIONS.

DUAL OUTPUT 12/14 OR 24/28 VDC @ 6 AMPS. SIZE 7x6x13; WT: 17
STK#PS-12/24VDC6A

KIT OF PARTS...\$20.00
WIRED COMPLETE... 24.95

OUTPUT 12/14 VOLTS DC @ 6 AMPS.
SIZE: 5x9x5; WT: 20 LBS.
STK#PS-12VDC6A

KIT OF PARTS...\$14.00
WIRED COMPLETE... 18.95



OUTPUT 24/28 VOLTS DC @ 4 AMPS
SIZE: 5x9x5; WT: 12 LBS.
STK#PS-24VDC4A

COMPLETE WIRED...\$17.95
KIT OF PARTS... 13.00

OUTPUT 12/14 VOLTS DC @ 4 AMPS
SIZE: 5x9x5; WT: 12 LBS.
STK#PS-12VDC4A

COMPLETE WIRED...\$14.95
KIT OF PARTS... 10.00

OUTPUT 24/28 VOLTS DC @ 1 1/2 A.
SIZE: 7x6x5; WT: 6 LBS.
#PS-24VDC1.5A WIRED...\$10.95
KIT OF PARTS \$8.00

OUTPUT 12/14 VOLTS DC @ 2 AMP
SIZE: 7x6x5; WT: 7 LBS.
#PS-12VDC2A WIRED...\$9.95
KIT OF PARTS... 7.00

MOBILE SUPPLY

AVA-126 VIBRATOR POWER SUPPLY;
OUTPUT 300 VDC 100 MA. OPERATES
FROM 6, 12 OR 24 VOLTS D.C. WHEN
THE PROPER VIBRATOR IS USED, OCTAL
BASE. SUPPLIED WITH 6 VOLT VIBRATOR
(USED WITH AVT-112 AIRCRAFT TRANS)
ILLUST. COVER REMOVED. UNUSED
SIZE: 7x7x7 1/2; WT: 12 LBS. \$4.95

RA-42 POWER SUPPLY RACK
MOUNTING 19", 115/230 V
60 CYC OPERATION. OUT-
PUT 200-250 VDC 100 MA
HOUSED IN CABINET 7x8x6
WT. 30 LBS.
USED \$12.00

RA-87 RECTIFIER; FOR USE
WITH TELETYPE EQUIPMENT.
CONVERTS 95 TO 125 VOLT OR
190 TO 250 VOLTS 50-60 CYC
TO 115 VDC 400 MA AND 115
VAC 4.35 A. WHEN USED WITH
190 TO 250 VAC INPUT. RE-NEW \$12.95
SIZE: 14x7x8; 45 LBS.. USED \$8.95

RA-74D POWER SUPPLY FOR
RECEIVERS BC-779, 794, 1004,
R-270 & R-129U.
INPUT 95/105/117/130/190/
210/234/260 VAC 25-60 CYC.
OUTPUT 380 VDC @ 50 MA. 250
VDC @ 100 MA 100 VDC 4.5 MA
-50 VDC 11 MA & 6.3 VAC 7 AMP. WITH TUBES
1/5Y3GT & 1/5U4G.
RACK PANEL MTG. SIZE: 19x10x10; WT: 100 LBS
PRICE: RE-NEW\$24.95

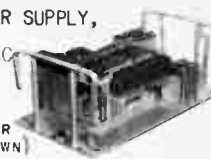
LAMBDA POWER SUPPLIES

LAMBDA C 481M REGULATED
POWER SUPPLY 25-25
VDC @ 400 MA. .25%
REGULATION. 6.3 VAC @
15 AMPS. WITH 0-350
VOLTMETER AND 0-400 MILLIAMMETER. SIZE: 19x
5x14 1/2; WT: 65 LBS. USED, NOT CHECKED \$34.95

LAMBDA VOLTAGE REGULATED
POWER SUPPLIES 105-125V.
60 CYC, RACK MOUNTINGS.
28M 200-325 VDC @ 100MA 6.3 VAC 3A.
WITH METERS (PICTURED) \$18.95

PERKINS 100XA, INPUT: 230 VAC 12 AMPS. 60 HZ
3-PHASE; OUTPUT: 24-32 VDC 100 AMPS. \$99.50

LENKURT MODEL 5047A POWER SUPPLY,
INPUT: 115 VAC 60 HZ.
OUTPUT: 24 VDC. 10 AMPS AC
AND 160V. 150 MA DC.
CONSTRUCTED ON AN ALL-
ALUMINUM CHASSIS WITH
VENTILATED ALUMINUM COVER
WITH FLIP-LOCKS. (NOT SHOWN)
SIZE: 19x7x10 1/2; WT: 45 LBS. \$24.95



SOM-603601 VOLTAGE REGULAT
ED 24 VOLT D.C. 3 AMP. POWER
SUPPLY FOR RACK PANEL
MOUNTING. LINE REG.
1% LOAD 5%. THREE
CAPACITORS 37,500 MFD
35 VDC, SILICON RECT.
SIZE: 19x6x7 1/2; WT: 20 LBS. NEW \$19.95

PP-142 POWER SUPPLY 115 V
60 CYC VOLTAGE REGULATED
300 VDC 250 MA. ALSO
6.3 @ 3.75, 6.6 @ 9 A.
WITH TUBES 3/6Y6G,
2/5U4G, 1/6A7 & VR-15C
ADJUSTMENT FOR B FUSE-LINES, INDICATOR AND
EXT. JACKS FOR OUTPUT ON FRONT PANEL.
SIZE: 9x16x12 1/2; WT: 85 LBS. USED \$22.50

PP-629/URR POWER SUPPLY
INPUT: 115/230 VAC 60 CYC
OUTPUT: 24 VDC PULSATNG
(NO FILTERS) 17 AMPERES.
ON-OFF SWITCH WITH INDICATOR
LIGHT.
SIZE: 23x21x15 1/2; SHPG. WT: 120 LBS.
PRICE: RE-NEW \$29.95

PP-308/URR POWER
SUPPLY; OUTPUT VOLT-
AGES OF 90 VDC, 1.4
VDC, AND --4.2 VDC.
A PORTABLE UNIT
WHICH CAN OPERATE
FROM 115V. 60 CYCLE
LINE OR FROM 6, 12 OR
24 VOLT VEHICULAR BAT-
TERY; WITH FUSE HOLDERS, POWER-SELECTOR
SWITCH, POWER ON-OFF SW, SPEAKER ON-OFF SW,
AND SPEAKER FOR A RECEIVER*. TAKES 4 COND.
FEMALE CONNECTOR (NOT AVAILABLE). WITH TUBES
2/6A7 AND 0B2. SIZE: 5x8x12 WT: 30 LBS.
WITH GOV'T SPEAKER \$14.95 NO SPEAKER \$9.95
" COMMERCIAL " \$12.95 CONDICTION USED SERVICE

PP-691/G POWER SUPPLY
USED WITH THE TCC-13
MULTIPLEXER SYSTEM,
OUTPUT 250 VDC @ 1.5 A
AND 115 VAC @ 5 A.
TRANSFORMER HAS 34 VCT
WINDING THAT IS NOT
USED, METER 2 1/2" 0-150
VOLTS AC, CIRCUIT BREA
KERS AND FUSED CIRCUIT
RACK PANEL MTG. 19x12x
19; WT: 125 LBS.
PRICE: USED SERVICEABLE EXCELLENT \$19.50

AUTO-RACE PACK BY VARNEY
TWO 14 VDC 600 MA. SECONDARIES
MAKE THIS IDEAL FOR A SMALL
BENCH POWER SUPPLY WITH THE
ADDITION OF A REGULATOR AND
FILTER. INCLUDES TRANSFORMER COVER, SWITCH,
5 1/2 FT. LINE CORD. 5x3x2 1/2; WT: 3 LBS. \$2.95

AC TO DC POWER SUPPLY; 115
VOLT 50-60 CYCLE INPUT,
OUTPUT 115 TO 230 VDC IN
VARIOUS STEPS AS CAN BE
ADJUSTED BY THE TAP SWITCH
ON THE PRIMARY AND SECOND-
ARY IN SIX STEPS, APPROX. 400 TO 500 MA. D.C.
#KS-5825-L01 SIZE: 19x3x10; WT: 45 LBS.
PRICE: USED \$9.95

PP-484/FGC-5 VOLTAGE
REGULATED POWER SUPPLY
OPERATES FROM 115/230
VOLT 50/60 CYCLE 1 PH.
OUTPUT 115 VDC 100MA,
225VDC 550 MA.; 4/6.3
VAC 12 AMP. --6.3V BIA. WESTON 301 METERS
3 1/2" 0-10 VAC; 0-200 VDC & 0-500 VDC; W/
TUBES 2/3B28, 2/2050, 2/12AU7, 6Y6 & 5U4A.
ALSO 2 AC OUTLETS ON FRONT PANEL. 19x11x
x20; WT: 150 LBS. USED \$29.95

RECEIVER POWER SUPPLIES AND
SPEAKER FOR THE FOLLOWING:
R-23/ARC-5 BC-453 BC-342
R-24/ARC-5 BC-454 BC-344
R-25/ARC-5 BC-455 BC-348
R-26/ARC-5 BC-946 BC-429
R-27/ARC-5 R-108, 109, 110
COMPLETE WITH DYNAMIC SPEAKER HOUSED IN A
METAL CABINET WITH CONNECTING CABLE, PLUG,
PHONE JACK, VOLUME CONTROL, BFO SWITCH, ETC.
IF APPLICABLE. CAN ALSO BE USED FOR OTHER
SETS. OUTPUT: 200/250 VDC @ 90/60 MA AND
24 VAC @ 2 AMPS. INPUT: 115 VAC 60 HZ.
PLEASE SPECIFY THE TYPE SET. DIMENSIONS AND
PARTS OF THE POWER SUPPLIES MAY VARY WITH
AVAILABILITY OF MATERIALS. 9x6x5 WT: 10 LB
PRICE: KIT OF PARTS \$18.00 WIRED \$21.00

BC-652 RECEIVER POWER SUPPLY WITH SPEAKER
SAME AS ABOVE; KIT \$20.00; WIRED \$23.95

BC-603/BC-683 RECEIVER P.S.
DESIGNED TO BE PLUG IN-TO
THE SAME PLACE AS THE DYNA-
MOTOR WITH NO CONVERSION TO
THE SET THAT WILL EFFECT
THE OPERATION FROM THE
DYNAMOTOR. ONLY WORK
REQUIRED ID ADD ON/OFF
SWITCH IN PLACE OF SPAR
FUSE HOLDER. TRANSFORM-
ER TYPE USING 5Y3GT TUB
OUTPUT 220 VDC, 80 MA. & 24 VDC 2 A. WT: 5 LBS.
No. P.S. 603/683 KIT \$11.00 WIRED \$16.00

PE-1100 POWER SUPPLY FOR
BC-669 TRANSMITTER-RECEI-
VER. INPUT 115 VOLT 60 CYC.
OUTPUT 520 VDC @ 420 MA.
A 12 VDC VIBRATOR TYPE
POWER PACK WITH AN OUT PUT OF 275 VDC @ 64
MA THAT PLUGS INTO THE CHASSIS SERVES AS A
RECEIVER STANDBY. INCLD. FOUR 5Z3 TUBES,
RESET CIRCUIT BREAKERS, A.C. OUTLETS, AND
POWER OUTPUT PLUGS.
SIZE: 20x9x12; WT: 100 LBS. UNUSED \$30.00

R-77/ARC-3 RECEIVER POWER SUPPLY
OPERATES FROM 115 VOLT 60 CYCLE; SUPPLIES OUT-
PUT OF 210 VOLTS DC @ 125 MA. & 24 VOLTS AC @
2 AMPS. COMPLETE WITH TRANSFORMER, CHOKE, CAP-
ACITORS, SWITCH, PILOT LIGHT, LINE FUSE, 5Y3GT
TUBE, CHASSIS, LINE CORD ETC. #PS-R77/ARC-3
SIZE: 5x6x9 1/2; WT: 14 LBS. (LAYOUT SAME AS 923)
PRICE \$22.95

POWER SUPPLY No. 7630019.
OPERATES FROM 115 VOLT 60 CYCLE
DUAL HIGH VOLTAGE OUTPUT 400 DC
200 MA & 400 DC 200 MA. ALSO
6.3 VAC 2.75 A. & 6.3 VAC 5.5 A
WITH 2/5R4GY TUBES.
SIZE: 10x7x15; WT:
PRICE: \$19.95
CABLE WITH 18 CONTACT PLUG TO FIT P.S \$2.00

POWER SUPPLY No. 7630020VR
VOLTAGE REGULATED, OPERATES
FROM 115 VOLT 60 CYCLE.
OUTPUT 200-250 DC. @ 150-
250 MA. ALSO 6.3 VAC 2.75A
& 6.3 VAC 5.5 TUBES
2/6AS7G, 1/VR-105, 1/6AK7 &
1/5R4G. WT: 30 LBS.
SIZE: 11x10x6 1/2 \$18.95

CABLE WITH 18 CONTACT PLUG TO FIT POWER
SUPPLY PLUG, 4 FOOT \$2.00

POWER SUPPLY 763003 (MODIFIED)
OUTPUT 375 VDC @ 225 MA & 6.3
VAC @ 2.75 A, 6.3 VAC @ 5.5 A.
INPUT 115 VOLT 60 CYCLE. WITH
2/5R4GY TUBES.
SIZE: 9 x 13 x 7; WT: 35 LBS.
PRICE: \$14.95


CONNECTOR 18 CONTACT \$2.00

PP-662/GPN POWER SUPPLY, VOLTAGE
REGULATED, 300 VDC 10 TO 90 MA.
PLUS POTENTIAL, 210 VDC MINUS.
WITH TUBES 4/5651, 2/6AH6, 1/
12AT7, 2/6AS7, 1/5Y3 & 1/5R4.
OUTPUT PIN JACKS WITH ADJUST
MEASURING SWITCH, FUSED OUT-
PUT & INDICATOR LIGHTS.
SIZE: 10x8x20; WT: 35 LBS.
NO. COVER OR PLUG IN RELAY.
POWER REQUIRED 115 VOLT 60 CYC
PRICE: USED \$14.95

RELAY

RELAY 24 VDC SPDT
1x1x1
#CWS 571981 \$3.35

TELEPHONE TYPE



RELAY 4PST NORMALLY OFF 12 VDC GR204-BC-966A 1x1x1x3 3380-557180-7435 \$1.00

6PST 50 VDC 1/2 A. COIL 250 OHMS 50 VDC 39 MA. OPERAT. 4x2x1x1; #4C8400-26 \$1.00

1FDT & 3PST 50 VDC 2 A. OFER. 46 VDC 38 MA 1200OHM 4x2x1x1; #4C7737-62 \$1.00

RELAY 200 VDC 135 MA, ONE CGIL 1100 OHM, OTHER 1200 OHM, CONTACTS 2PDT, 6PST-NO 1PST-NC#5945-259-4275 \$1.

RELAY 150 VDC 150 MA. 1000 OHM COIL, CONTACTS 6PDT & 4PST-NO POTTER & BRUMFIELD 82-92-1005 BS-2202 \$1.00

RELAY CONT. ARRANGEMENT 2E/ E IC. 115 VAC 60 CYC 2E/ E BREAK 7 MAKE 4. 4x2x1x1 #27593-41 \$1.50

SEALED RELAYS 24 VDC 3 A. CCNT. VARIOUS MFG. ROUND, DELONG OR SQUARE, WIRE OR PLUG-IN. SORRY NO CHOICE.

1PST	#C-400	USED	.35
1PDT	#5703-34	"	.40
2PDT	#5709-7H	"	.45
3PDT	#56467	"	.50
4PDT	#54428	"	.55
6PST	#56469	"	.60

POTTER & BRUMFIELD 12 PIN PLUG-IN PLASTIC COVERED 24 VDC, CONT. 2PDT, 1PST N.C AND 1PST N.C. 1x2x2x2 #82-70-5133/24 \$1.75

12 VDC RELAY, DPST, NORMALLY OPEN, 67 OHMS, 2x3x3 1/2; # SW-182 USED 50¢

RELAY 6V D 1x1x1x1 41F 500S-SIL \$1.50

PLATE RELAY 10,000 OHMS. CONTACTS 115 VAC @ 5 AMPS 1x1x1x1 #R73P-3189 \$1.50

FIVE ASSORTED RELAYS \$1.00

SUCH AS SEALED OPEN FRAME, TELEPHONE ETC MAY BE 6, 12 24 OR 48 VOLTS. \$1.00

INTERVAL TIMER ASSEMBLY RELAY TIME DELAY 5 MIN. RESET DELAY 100 SEC. MOTOR VOLTAGE 120V 400 CPS CLUTCH VOLTAGE 28 VDC. ALLIED CONTROL UNIT; 115V 400 CPS, CONT. 2A-29VDC AND 24V 4PDT RELAY. 5LBS. #SS 19180 \$2.95

WESTON SENSITROL RELAYS MODELS 723 AND 705; 3 1/2" ROUND. USED \$4.95 EACH SPECIFY:

RANGE	MODEL
80% TO 120% VOLTS DC	723
90% TO 110% VDC	723
95% TO 105% VDC	723
110% TO 100% VOLTS AC	705
100% TO 90% VAC	705
.9 TO 1.1 MILLIAMPS	723

SILICON RECTIFIER

POWER TESTED AT 1 MA MAX. LEAKAGE

1 AMP (TOP HAT)

50-200 PIV	\$.10
200-400 "	.15
400-600 "	.25
600-800 "	.35
300- "	.45
1000 "	.55

5 AMP (STUD)

200-400 PIV	.50
400-600 "	.60
700 "	1.00
800 "	1.20
1000 "	1.75

IN1347 6 AMP. 500 PVI (GOLD) 1.50

35 AMP (STUD)

50 V	.75
100 V	1.00
200 V	1.60
300 V	2.00
400 V	2.25
500 V	2.50
600 V	3.00
900 V	4.00

STRATOPACK FOUR SECTION RELAY SECT. #1 4PDT

"	2 4PDT
"	3 4PDT
"	4 6PDT

24 VOLT D.C. 3 1/2x4 1/2x7 1/2 5LB \$1.95

RHEOSTAT

OTHER VALUES IN STOCK WRITE FOR YOUR NEEDS



STK#	WATTS	OHMS	PRICE:
24609	25	5	\$.50
29392	25	25	.50
7500K	25	75	.50
13990	25	100	.50
1352 (DUAL)	25	100	.50
351KK	25	350	.50
501KK	25	500	.50
270-5	25	3500	.50
502KK	25	5000	.50

41132	50	7.5	.75
50-12 SCREW ADJ	12		.75
2954	50	15	.75
15822	50	17	.75
5895 (DUAL)	50	20	1.50
850-30	50	30	1.50
666-1731	50	34	.75
3124	50	35	.75
32229	50	60	.75
3066 w/sw	50	100	1.00
2533	50	150	.75
251KK	50	250	.75

RHEOSTAT CONTROL UNIT FOR HEATED CLOTHING; 100 WATT 5.75 OHM RHEOSTAT MOUNTED IN CONTROL BOX WITH INDICATOR KNOB ALSO ON/OFF SWITCH & DUAL LOCKING TYP. SOCKETS FOR INPUT AND CONTROLLED OUTPUT VOLTAGES. SIZE: 5x4x2; WT: 3 LBS. TYPE C-1C UNUSED \$2.95

CRYSTALS

100 KC CRYSTAL FOR HPN-9 LORAN SET. CR-15/U HOLDER OR EQUIVALENT, 3 PRONG 1/2 x 1. PRICE: \$4.95

VARIOUS CRYSTALS IN STOCK FOR TCS REC OR TRANS. SPECIFY FREQ. \$1.50 EACH.

1000 KC CRYSTAL FOR BC-221 \$6.95

465 Kc CRYSTAL, RESONATOR TYPE FILTER AS USED IN BC-794, BC-1004 ETC. \$1.50

200 Kc CRYSTAL IN OCTAL TYPE TUBE HOLDER \$3.50

CRYSTALS: FT-241-243 21-39 Mc. F/BC-604-684-620-659 NO CHOICE FREQ. 5 FOR \$1.00

JK-02 CRYSTAL OVEN FOR CR-26 CRYSTALS, OPERATES FROM 6.3-24.2 V. AC/DC, OCTAL BASE.

MOTOROLA #251B1001 FOR ONE CRYSTAL AS USED IN R-394-257 RECEIVERS. \$1.95

MOTOROLA #251B1003 FOR TWO CRYSTALS AS USED IN T-273-208 ETC. TRANSMITTERS \$2.50

CRYSTAL DIODES IN-21C IN-32 \$1.00 EACH 6 FOR \$5.00

CRYSTAL HOLDERS WITH CRYSTAL NO CHOICE OF FREQUENCY CR-1A/FT-171/FT-249/FT-254/NAVY 40130B/40068/CR-26 PRICE: 59¢ EA. 2 FOR \$1.00

CIRCUIT BREAKER



AIRCRAFT BAT HANDLE TYPE LUMINOUS TIP 24 TO 30 VDC

3H913-5	5 AMP	\$.50
8751K4	10 "	.50
AN-3160	15 "	.75
AN-3160	20 "	.75
AN-3160	50 "	.75

AIRCRAFT PUSH BUTTON TYPE 24 TO 30 VDC

AN-3161	5	.75
AN-3161	10	.75
AN-3161	15	.75
AN-3161	35	.75
AN-3161	50	.75

3H900-35-6 14.6 vdc 35 AMPS SIZE 3 1/2x2 1/2x1 1.50

850-0980 28 vdc 15 AMP SIZE 3 1/2x2 1/2x1 \$1.00

HEINEMANN 1-132 24 VDC 2 AMP. 3 1/2x2 1/2x1 \$1.00

115 v. 60 CYC SIZE 2 1/2x2 1/2x2 CAT# AM12HK 1.5 AMP \$1.00

" AM12 2.0 " 1.00

" AM12RSK 20.0 " 1.00

115 v. 60 CYC SIZE 3 1/2x1x2 3H900-1.5 1 AMP \$1.00

3H900-1.25 1 1/2 " 1.00

3H900-3-2 3 " 1.00

AM2511M6-115 7.4 " 1.00

SQUARE "D" CIRCUIT BREAKER TYPE MO-4 "PLUG-IN"

OR CAN BE MODIFIED FOR DIRECT WIRING. FOUR (4) 20 A. CIRCUITS 115 VOLT 60 CYCLE SIZE: 4 1/2x2 1/2x2; WT: 8 OZ. CAT# M0482222 PRICE: \$1.95

MANUALS

\$3.00 EACH \$5.00 EACH

BC-191 30-312-BC-342
BC-375 BC-603-BC-604
PP-867-868 BC-652-BC-653
869 BC-683-BC-684
PP-281-282 BC-659
494 BC-1000
PP-846 BC-1335
..... BC-683-BC-684

TCS-12 \$12 \$7.50 EACH

BC-669/110 1-49
BC-1306/237 1-72G-H-1-K
PP-351 1-129B
PP-638 1-208
PE-95 TS-352
R-48/T-30 BC-221AH ONLY
T-14/R-19 HALLICRAFTERS
TS-175 5-20R SX-28
BC-221/211 NATIONAL
BC-610 NC-100 HRO
BC-779 HALLICRAF S36

EE-94 & 95 CONTAINS TG-34 RD-60-VQ-3-BD-114 ETC \$7.50

FGC-20 & 21 CONTAINS TT-98 TT-99-TT-100 & PP-978 \$10

MOTOROLA FST-250, FMR-13, FMT-25A, P-8C28, FMT-30 \$7.50

ARN-6 REVISED SOME PAGES MISSING, WITH ALL SCHEMATICS, R-101 & ASSOC. EQ. \$5

SCHEMATICS \$1.00 EACH

"BC" SERIES 923/624/603/604/652/653/624/625/224/348/659/620/645/665/733/745/778/779/683/684/929/1206/1306/1016/

"R" SERIES 48/77/122/320/2E/316/257/394/105 T-23/T-67/RT-91/RT-58/RT-71 SCR-625/PE-237/FE-110/TBY/RAX-1, 2 OR 3/ARE/FMR-13/ARR-2/TCS-REC OR TRANS/ART-13/MN-26/ COMMAND SERIES 274 OR ARC5

OTHER MANUALS & SCHEMATICS AVAILABLE, TELL US YOUR REQ

ANTENNA CHANGE-OVER RELAY 6 V.D.C. SWITCHES BCN TO SUB-MINIATURE COAX. SPDT. 2x1x1x1; 4 OZ. #3380-511125-1125 \$2.95

ANTENNA CHANGE-OVER RELAY RE-MOVED FROM T-278 XMITTER 6 VDC, 16 OHM COIL. MOTOROLA MFG. WITH TWO UTG-88 CONNECTORS. 3x2x1 WT: 1 LB. PRICE: \$1.25 EA 5 FOR \$5.

DIMMER CONTROL TYPE A-4 667498 150 OHM 50 WATT 2 1/2 MTG. HOLES, W/KNOB 2 LBS. \$2.50 MATCHING PLUG \$1

BENDIX HEAVY DUTY TAP SWITCH BENDIX HEAVY DUTY TAP SWITCH 12 POSITION, W/ KNOB. AIRCRAFT TYPE. SIZE: 3x1 1/2 WT: 4OZ. \$2.95

EACH TYPE 6104 RELAY, 115 V 50/60 CYC. DPST CONTACTS, 30 A. 110 V 20 A 220V SIZE: 3x4x2 1/2; 1 LB. \$2.95

AH RELAY No. 51303 COIL VOLTS 24, 50-60 CYCLE, DPST, MAX. AC. RATINGS VOLTS F.L.A.L.R.A. 240 40 240 440 20 120 600 20 120 SIZE: 3 1/2x2 1/2x3 1/2; 2LBS. NEW \$6.95

MANUALS

ABBREVIATIONS: . HAND-BOOK OF MAINTANANCE INSTRUCTIONS/O.I. OPERATING INSTRUCTIONS/N.S. NO SCHEMATICS/1.B. INSTRUCTION BOOK/W.S. WITH SCHEMATICS.

ARC-27/ARC-55 O.I./N.S. \$3.00

ARC-44 1.B./W.S. \$10.00

ARC-60 1.B./W.S. 8.50

ARN-12 1.B./W.S. 5.00

ARN-30 O.I./N.S. 3.00

ARN-59 O.I./N.S. 3.00

ART-13 REPRODUCTION WITH SCHEMATICS & OPERATING TRANS. & ASSOC. EQ. \$10.00

FRR-36 1.B./W.S. 8.50 w/R-394/PP-846

GRC-3-8 1.B./W.S. 8.50

GRC-9 1.B./W.S. 8.50

GRC-19 1.B./W.S. 8.50

GRC-26 1.B./W.S. 8.50

GRR-5 1.B./W.S. 7.50

PRC-6 1.B./W.S. 7.50

PRC-8-9-10 1.B./W.S. 7.50

VRC-19 1.B./W.S. 8.50 w/R-394/T-278/DY-93 98-100/PP-867-8-9

RT-67-68-69 1.B./W.S. \$5.00

RT-70 1.B./W.S. 5.00

R-108-109-110 " " 7.50

R-274 1.B./W.S. 10.00

R-390 1.B./W.S. 10.00

R-392 1.B./W.S. 10.00

R-394 1.B./W.S. 7.50

R-140 1.B./W.S. 7.50

R-257 1.B./W.S. 7.50

T-278 1.B./W.S. 8.50

T-368 1.B./W.S. 8.50

T-208-417 1.B./W.S. 8.50

DY-93-98-100 " " 3.00

ARC TYPE 12 RADIO SET 8.50

COVERS R-10-11-15-19 T-11-13 & ACCESSORIES SIMILAR R-508-509-R-22 AND OTHERS. H.M.I.I.W.S.

CV-431/R-508 ARC-60 8.50

R-13B/B-10A ARN-30 8.50

ANTENNA CHANGE-OVER RELAY 6 V.D.C. SWITCHES BCN TO SUB-MINIATURE COAX. SPDT. 2x1x1x1; 4 OZ. #3380-511125-1125 \$2.95

ARC-12 ANTENNA CHANGE-OVER RELAY BNC CONNECTORS FOR EQUIP. UG-23-UG-21 F/ART. REGULAR & AUX ANT. CONN. 24 VDC RELAY. W/BNC CABLES. \$2.75

UG-21 ANTENNA CONN. \$1.75

ANTENNA CHANGE-OVER S.P.D.T FOR COAXIAL CABLE 28 VDC ROTARY ACTUATOR WAFER, LOW-LOSS HIGH-POWER. GENERAL COMM #2LN180RC-1 NEW \$3.95

SIZE: 4 1/2x3x2 1/2; WT: 1LB. TYPE "LN" CONN. CUT-OFFS 50¢ AN CONN. 7 CONTACT \$1.00

HYDROPHONE UNIT MAGNETOSTRICT-ION TYPE 20 KC RESONANT FREQ. THIS A STANDARD SECTION OF A COMPLETE ASSY. AS USED IN AN/SQS-10 SONAR. SIZE: 3 1/2x5 1/2x1 1/2 WT: 3LBS. #875446/Y901 \$5.95

FIRE DETECTOR PHOTOELECTRIC RESISTANCE TYPE 1.5 MEG. MAX DECREASES WITH INTENSITY OF LIGHT. #6340-651-6213 SIZE 2x3 \$2.95

ART-13 TRANSMITTER

100 WATT AIRCRAFT AUTOTUNE TRANSMITTER

MAKES A VERY SATISFACTORY AMATEUR UNIT FOR 80, 40, 20 AND 10 METERS. THE AUTOTUNE FEATURE PERMITS YOU TO PRESET THE FREQUENCY DESIRED ON ANY 10 PRESELECTED CHANNELS. (FOR CONNECTION INSTRUCTIONS SEE MANUALS #2 & #3 \$3.00 EA. TUBE INQUIRY 1/837, 1/813, 2/1625, 1/12SJ7, 2/6V6, 2/811, 2/12SL7, 1/12SA7. VOLTAGE REQUIRED 28VDC 10AMP, 400VDC, 225MA & 1250VDC 250MA. SIZE: 23x16x11 1/2 WT. 70LBS.

PRICE: USED WITH TUBES \$39.50
CONNECTOR PLUGS FOR TRANS. U/7 & U/8 \$2.50 EA. DYNAMOTOR FOR ART-13 WITH FILTERS & RELAYS 28VDC INPUT. PRICE: USED \$12.95
NEW

CONNECTOR PLUGS FOR DYNAMOTOR U-9 OR U-10 EACH \$2.50

CU-24/ART-13 ANTENNA SHUNT CAPACITOR CONSISTS OF 3 CAPACITORS 25MMF 10KV. PRICE USED \$1.00

0-17/ART-13 LOW FREQUENCY OSCILLATOR PLUGS INTO THE FRONT OF THE TRANSMITTER AND COVERS THE FREQ. RANGE OF 200 TO 600 KC IN 3 BANDS WITH VFO AND CRYSTAL CONTROL ON THREE PRESELECTED FREQ. COMPLETE WITH ONE 1625 TUBE. ALL OPERATING VOLTAGES ARE OBTAINED FROM THE TRANS. POWER SUPPLY. SIZE 5 1/2x5 1/2x9; WT: 4LBS.

PRICE: USED \$7.50 UNUSED \$9.95

SA-22/ART-13 ANTENNA SWITCHING UNIT CONTAINS A BENDIX VACUUM RELAY LM-26G, 24VDC, 2 POSITION CERAMIC SWITCH & 4 LARGE INSULATORS SAME AS USED ON TRANSMITTER, ALSO SO-239 COAX. CONNECTOR. SIZE: 11x7x7 WT: 10LBS

PRICE: NEW \$4.95

CU-25/ART-13 TRANSMITTER ANTENNA TUNER FOR 200 TO 600 KC, CONSISTS OF A VARICOUPLER, 13 POSITION SWITCH WIRED TO A FIXED TAPPED COIL, ALSO .0008 5000 VOLT MICA CAPACITOR INSULATED COUPLINGS ETC. SIZE: 10x9x9 1/2; WT: 13 LBS. UNUSED \$4.95

ART-13 AUDIO SPEECH AMPLIFIER CONTAINS TWO 6V6GT & ONE 12SJ7 TUBES, CAN BE USED FOR CARBON OR DYNAMIC MIC. SIZE: 7x4x3 1/2, WT: 4LBS, USED STK#2C254 PRICE \$5.95

ART-13 CRYSTAL CALIBRATOR AND MCW OSCILLATOR UNIT; PROVIDES STABLE 50 KC FUNDAMENTAL FREQ. UTILIZING A 200 KC. CRYSTAL THAT IS USED TO CHECK THE CARRIER FREQ OF THE TRANS. OSC. A 1000 CYC. TONE IS ALSO PROVIDED FOR MCW OPERATION. WITH 2/12SL7, 1/12SA7 TUBES AND 200 KC. CRYSTAL. SIZE: 6x5x3; WT: 4 LBS. RE-MOVED \$9.95

ART-13 KEYING RELAY & VACUUM SWITCH; THREE S.P.S.T., CONTACTS NORMALLY OPEN; ONE S.P.S.T., CONTACTS NORMALLY CLOSED; TWO S.P.D.T. AND ONE S.P.D.T. VACUUM SWITCH COIL VOLTAGE 28 VDC RESISTANCE 2 COILS 27 OHMS IN SERIES, CONTACTS RATED 28 VOLTS 8 ANPS. CONT. NON-INDUCTIVE LOAD WITH VACUUM SWITCH. SIZE: 3x4x5; 2 LBS. #K-102/S-116 STK.#27595-7 RE-MOVED \$9.95 S-116 VACUUM SWITCH ONLY \$2.00

OSCILLATOR UNIT

ODA-T CRYSTAL OSCILLATOR UNIT FOR ART-13B TRANSMITTER; USED TO CONVERT TO CRYSTAL CONTROL FOUR CHANNELS ON LOW FREQ. 300-500 KC, CRYSTAL SOCKET SIZE 5/32 DIA. 13/16x1/2 RECTANGULAR SELECTED FROM THIS UNIT. 10 CHANNEL CRYSTAL CONTROL FROM 1670 TO 18000 KC SELECTED FROM TRANS. CRY. SOC. SIZE 3/64" DIA PINS SPACED 1/8" C-C. W/TUBES 1625 & 6AQ5 ALSO 10/24VDC RELAYS, PLUGS INTO FRONT, DOES NOT EFFECT OPERATION OF VFO HIGH BAND. WT: 6 LBS. SIZE: 5x5x5 1/2. USED \$9.95 CONNECTORS \$1 EA 2REQ.

COLLINS 618S-1 TRANSCIEVER 2 TO 25 MHZ, AM AND CW. 100 WATTS ON TRANSMITTER, CRYSTAL CONTROL 144 CHAN. USING CR-18/U CRYSTAL HOLDER. SAME CRYSTAL USED FOR RECEIVER AND TRANSMITTER. CROSSBAND OPERATION POSSIBLE BY CHANGING FREQUENCY SELECTOR PLUG-IN MODULES ARE USED IN BOTH THE REC. AND TRANS. WITH TUBES 3/5654, 2/5781, 4/5686, 8/5749, 3/5726, 4/5750, 2/5814, 5/6159 AND 0A2. ALSO 8/1N98 AND ONE 1N458 GERMANIUM CRYSTALS. THE POWER WAS NORMALLY SUPPLIED FROM 28 VDC DYNAMOTOR AND 115 VOLT 400 HZ. HOWEVER, 60 HZ OPERATION IS POSSIBLE WITH 600 VDC, 250VDC, -50 VDC, -65 VDC AND 6.3 VAC 115 V. 400 HZ FOR THE SELSYN THAT IS MOUNTED TO THE P.A. INDUCTOR COIL. SIZE: 15 1/2x8x23 1/2 WT: 60 LBS. PRICE: USED \$65.

TRANSCIEVER R.F. TUNER FOR COLLINS 618S-1. THIS SUBASSY. CONTAINS 1ST & 2ND R.F. AMP, 1ST & 2ND REC. MIXER, 1ST & 2ND TRANS. MIXER, I.F. AMP, DISCRIMINATOR, MULTIPLIER AND 2 DRIVER CIRCUITS. WITH TUBES 2/5654, 3/5749, 4/5750 & 2/5686. TUNING IS DONE BY THE SLUGS MOVING IN AND OUT OF THE COILS, FREQ. RANGE 2-25 MC. SIZE: 8x7x6 1/2; WT: 10 LBS. #5821-547-5718/618S-1 PRICE: USED \$14.95

MODULATOR FOR COLLINS 618S-1 AUDIO DRIVE AND MODULATOR USES 2/6159, 1/5751, 1/5814 & 1/5726 TUBES. MODULATION TRANSFORMER INPUT 5500 OHM 300 V RMS, OUTPUT 4&5 2000 OHM 3000 V RMS 6&7 200 OHM 750 V RMS. MODULATION TRANSFORMER IS NOT PART OF THIS SUB-ASSEMBLY. SIZE: 4 1/2x3x6; WT: 4 LBS. #5821-505-3599/618S-1 PRICE: USED \$7.95

POWER AMPLIFIER 618S-1 COLLINS TRANSMITTER WITH VARIABLE INDUCTOR COIL 12.8 FT. #14 WIRE 27 TURNS, APPROX. 100 WATTS FOR 2 TO 25 MC, COIL IS ROTATED BY 115 V. 400 CYC SELSYN CONT. MOTOR, USES 3/6159 TUBES ALSO LARGE CERAMIC ROTARY SW. COILS, CHOKES ETC. SIZE: 11x5x6; WT: 10 LBS. #5821-547-3496/618S-1 PRICE: LESS TUBES \$14.95 WITH TUBES \$18.50 SCHEMATICS FOR 618S SUB-ASSEMBLIES EACH \$1.00 MATING CONNECTORS " " " EACH \$1.50

BENDIX TYPE TA-188B AIRCRAFT TRANSMITTER; 118.0 TO 135.95 MHZ FREQ. RANGE WITH 180 CHANNELS IN 100 KHZ STEPS WHICH WITH MINOR MODIFICATION AND TEN ADDITIONAL CRYSTALS (NOT AVAILABLE) CAN BE INCREASED TO 360 CHANNELS IN 50 KHZ STEPS. DESIGNED FOR .005 PERCENT FREQUENCY STABILITY. DELIVERS 35 WATTS RF OUTPUT INTO 52 OHMS. AMPLITUDE MODULATION IS LINEAR FROM 10 TO 90 PERCENT MODULATION. METER AND SWITCH ON FRONT ALLOWS CHECKING OF LF OSCILLATOR GRID, HF OSCIL. GRID, DOUBLER GRID, DOUBLEE CATHODE, TRIPLER GRID, TRIPLER CATHODE, PA GRID, PA CATHODE AND MODULATOR CATHODE. WITH TUBES VR150, 5/5654, 4/2E26 AND 2/829B. 27.5 VDC DYNAMOTOR INCLUDED. SIZE: 10 1/2x7 1/2x24 1/2 WT: 49 LBS. USED \$59.50

T-366A/ARC TRANSMITTER 116 TO 132 MC, 5 CHANNELS CRYSTAL CONTROL WITH 5/5763 TUBES FOR 24- TO 28 VOLTS D.C. OPERATION. USES ARC#14958 CRYSTALS. APPROX. 5 WATTS OUTPUT, USED IN AIRCRAFT. SIZE: 4 1/2x4 1/2x6; WT: 6 LBS. PRICE: RE-COND. \$16.95

RT-18/ARC-1 TRANSMITTER & RECEIVER AM, 100 TO 156 MC 30 WATT CW AND PHONE, CRYSTAL CONTROL. VOLTAGE REQUIRE 360 VDC @ 135 MA AND 24 VDC WITH TUBES 18/6AK5, 2/6C4, 2/6V6, 2/6J6, 2/12A6, 1/6SL7 AND 2/832. SIZE: 10 1/2x8x20; WT: 45 LBS. PRICE: USED 10 CHANNEL \$49.50/20 CHANNEL \$60 DY-9 DYNAMOTOR 26VDC \$10/DY-10 13/26 USED \$15

APR-4 RECEIVER

R 444/APR-4Y RECEIVER AND CV-253/ALR TUNING UNIT FOUR BAND TO COVER THE FREQUENCY OF 38 TO 1000 MC. USED IN AIRCRAFT AS SEARCH EQUIP. TO DETECT ELECTROMAGNETIC RADIATION, THE FREQ. OF SIGNALS, RELATIVE FIELD STRENGTH AND AUDIO OUTPUT. SELECTOR PERMITS CHOICE OF AM NARROW/WID FM. ALSO IF ATTN. SELECTOR, HET. SW., RANGE SELECTOR, SWEEP CONTROL & TUNING KNOB. METER 2 1/2" FOR TUNING. ORIGINALLY DESIGNED FOR 115 V. 400 CYCLE POWER SOURCE UNITS ARE AVAILABLE FOR 115 VOLT 60 CYCLE. ALSO REQUIRED IS 24 VDC FOR PILOT LIGHTS AND SCANNING MOTOR WHEN TUNING UNITS WITH MOTORS ARE USED. REC. USED SIZE: 8x10 1/2x12 1/2; WT: REC. ONLY 33 LBS. TU.20LBS. PRICE: REC. ONLY \$95.00 WITH CV-253 TU \$250.00 CV-253 CONVERTER 38-1000 MC NEW \$175.00

ANY OF THE TUNING UNITS LISTED BELOW CAN BE USED WITH THE R-444/APR-4Y OR R-54/APR-4 WE WILL SHIP WHICHEVER RECEIVER IS AVAILABLE. R-54/APR-4 RECEIVER SAME AS ABOVE ONLY DIFF. POWER REQ. 115 VOLT 60 TO 2600 CYCLE & 24 VDC SAME PRICE AND TUNING UNITS CAN BE USED.

CONVERTER TUNING UNITS FOR USE WITH 30 MC. I.F. NO POWER SUPPLIES REQUIRE 300 VDC, 6.3 VAC OR 24 VDC WHICHEVER THE CASE MAY BE. SIZE: 9x7x15; 25 LBS. A1

TN-16/APR-4 TUNING UNIT	38- 95 MC	\$25.00
TN-17 " " " "	NOT AVAILABLE	
TN-18 " " " "	300-1000 "	45.00
TN-19 " " " "	975-2200 "	39.95
TN-54 " " " "	2150-4000 "	75.00
CV-253 " " " "	38-1000 "	\$175.00

TN-1/APR-1 " " "	38- 95 "	25.00
TN-3/APR-1 " " "	300-1000 "	35.00

POWER PLUG TO FIT SETS \$1.50 SHOCKMOUNT 2.50

RT-380/AR RECEIVER-TRANSMITTER 2 TO 18.5 MC C.W. PHONE, 100 WATT TRANS. AM CRYSTAL CONTROL ON 10 PRESELECTED FREQ. RECEIVER 50 MW MIN. INTO 600 OHM LOAD. WITH TUBES 1/813 2/811, 1/1625, 1/6AG7, 1/6V6, 1/12BE6, 2/12AU7, 1/12AL5, 2/28D7 & 4/6BA6. POWER REQUIRED 400 VDC @ 750 MA. 750 VDC @ 350 MA. AND 27 VDC FOR RELAY AC FOR FILAMENTS. (SAME VOLTAGES AS ART-13) (SIMILAR TO COLLINS 18S4) SIZE: 15 1/2x7 1/2x23 1/2; WT: 70 LBS. LESS CRYSTALS PRICE: USED LESS DYNAMOTOR \$49.50

CV-431/AR CONVERTER THIS TRANSVERTER IS A COMBINED TRANSMITTER AND RECEIVER CONVERTER. THE TRANSMITTER PORTION FUNCTIONS AS A INDEPENDENT TRANSMITTER ON A FREQUENCY RANGE OF 228 TO 258 MC; IT DOES NOT REQUIRE THE USE OF ANY VHF COMPONENT FOR TRANSMISSION. THE CONVERTER SECTION CONVERTS RECEIVED SIGNALS IN THE RANGE OF 228-258 MC TO 118-148 MC AFTER MIXING WITH A 110 MC CRYSTAL OSCILLATOR AND REQUIRES THE USE OF A VHF RECEIVER FOR RECEPTION. HIGH VOLTAGE FOR THE TRANSVERTER IS SUPPLIED BY THE DYNAMOTOR WHICH IS MOUNTED ON THE RECEIVER AND HAS A OUTPUT OF 250 VDC 60 MA. THE TRANSMITTER IS 8 CHANNEL CRYSTAL CONTROLLED, VOICE AM CIRCUIT DESIGNED FOR AIRCRAFT TO GROUND COMMUNICATION AND USES 4/5763, 1/6201 AND 1/5763 TUBES. POWER OUTPUT 0.5 WATT AT AN ALTITUDE OF 5000 FT. WITH A RANGE OF APPROX. 60 AIR MILES. SIZE: 5 1/2x11 1/2x4 1/2; WT: 9 LBS. PRICE: USED SERVICEABLE WITH TUBES \$7.95

AMPLIFIER-MULTIPLIERS USED AS PLUG-IN UNITS FOR THE T-302 TRANSMITTER, COMPANION TO THE R-417. UNITS COVER FREQUENCIES FM FROM 50 TO 600 MHZ, 120 WATTS. 12x6x14 40 LBS. USED-COMPLETE AN-1180/GRC 50-100 MHZ, 4X150A TUBE \$49.50 AN-915/TRC 225-400 MHZ, 2/4X150A 49.95 AN-1178/GRC 400-600 MHZ, 2/4X150A 54.50



ML-117 INDICATOR, WIND DIRECTOR AND SPEED. UNLIMITED WIND SPEED RANGE INDICATED BY ONE LIGHT, 0-360 DEG. WIND DIRECTION RANGE INDICATED BY 8 LIGHTS, FLASHING LIGHTS OR BUZZER INDICATORS, INTERRUPTED CURRENT ACTUATED, 110 V 60CY OR 6.8 VDC. (THIS IS ONLY THE INDICATOR, REQUIRES OTHER PARTS FOR OPERATION) FREIZ ITEM #18-1475. SIZE: 9x4; WT: 24 LBS. PRICE: RE-NEW \$12.95

AM-447 AUDIO AMPLIFIER



AM-447 AUDIO FREQUENCY AMPLIFIER, VOLUME LIMITING TYPE, INSURES UNIFORM OUTPUT UNDER CONDITIONS WHERE THE RECEIVED SIGNAL LEVEL MAY VARY IN AMPLITUDE, ELIMINATING THE NEED FOR CONSTANTLY READJUSTING THE OUTPUT LEVEL. IT IS INTENDED TO BE USED RECEIVING EQUIPMENT, LINE AMPLIFIER OR

AMPLIFY THE OUTPUT OF A MICROPHONE FOR MODULATING TRANSMITTING EQUIPMENT. INPUT IMPEDANCE 600 OHMS, OUTPUT IMPEDANCE 200 AND 600 OHMS, AUDIO INPUT: -10 DBM TO -10 DBM, FREQ. RESPONSE FLAT WITHIN 2 DB FROM 300 TO 3500 CPS., GAIN: 34.3 DBM MAX. AUDIO OUTPUT 3 WATT HAS INPUT, OUTPUT AND PHONE JACKS ALSO VOLUME CONTROLS. WITH TUBES

POWER REQUIRED: 15 VOLT 50/60 CYCLE. SIZE: 7x12x14; (NO COVER WITH UNIT) WT: 23 LBS. PRICES: USED SERVICEABLE \$8.95 TWO FOR \$15.00



NAVY INTERPHONE AMPLIFIER USED WITH TCS EQUIPMENT, 12A6 TUBES IN PUSH-PULL 75-200 OHMS CARBON MICROPHONE INPUT, 600 OHM OUTPUT VOLTAGE REQUIRED 12 VDC & 250 VDC @ 60 MA. HAS MOUNTING FOR 35x032, 12 VOLT DYNAMOTOR. SIZE: 7x10x7; WT: 15 LBS. PRICE: WITH TUBES \$3.95/W/TUBES & DYN. \$7.95



AMPLIFIER

AM-142/AIC AMPLIFIER USED IN LARGE AIRCRAFT AS A AUDIO LINE BOOSTER AND MIXER FOR THE INTER COMMUNICATION SYSTEM. INPUT IMPEDANCE 500 OHM OUTPUT 600 OHM. OPERATES FROM 24 VOLTS D.C. USES ONE 26A7 TUBE. WITH TUBE & SCHEMATIC. SIZE: 5x5x2; WT: 3 LBS. PRICE: USED \$2.95

SERVO AMPLIFIERS



SERVO AMPLIFIERS FROM MD-2 ELECTRONIC CONTROL STABILIZATION BOMBING NAVIGATIONAL COMPUTER.

PART No.	DESIG.	PART No.	DESIG.
658657	I H	656662	P H
672168	MAH	673097	MDH
658659	K H		

SIZE: 3x3x3; WT: 3 LBS. U \$1.95
 SIZE: 5x3x3; WT: 4 LBS. U \$1.95
 SEALED UNITS. CONNECTOR PLUGS EACH USED \$1

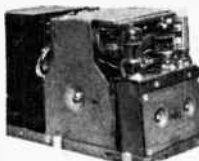
AMPLIFIER

AM-2E/AIC AMPLIFIER; USED IN AIRCRAFT FOR AUDIO INTERCOMMUNICATION. CARBON MICROPHONE INPUT, 600 OHM AND 2000 OHM OUTPUT IMPEDANCE WITH 2/12J5 & 2/12A6 TUBES. VOLTAGE REQUIRED 24 VDC FOR FILAMENT AND 250 VDC @ 60 MA. MOUNTING BOR DM-32 DYNAMOTOR 24 VDC. (PAGE 9) SIZE: 9x5x5; WT: 8 LBS. PRICE: USED \$4.95



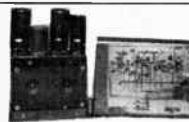
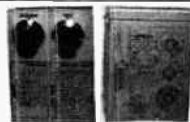
TS-328A/U FREQUENCY METER, JBT MANUFACTURE. 400 CYCLE POCKET TYPE. NINE REEDS, 380-420 CYCLES IN UNITS OF 5 CYCLES. SIZE: 3x6x4; WT: 2 LBS. PRICE: USED \$7.95

COMPUTER SYSTEM



AMPLIFIER, ELECTRONIC CONTROL TYPE D-1; CHOPPER SAMPLING TYPE WITH TOROIDAL TRANSFORMERS WITH FEED-BACK LOOPS, 6 VOLT 400 CYCLE CHOPPER, 1/5814 & 1/5751 TUBES, SELENIUM RECTIFIER SUPPLY, RESISTORS, CONDENSERS ETC. W/SCHEMATIC VOLTAGES REQ. 255VDC, -35VDC, 6.3VAC, 115/400CY SIZE: 4x6x9; WT: 12 LB. PRICE: USED \$4.95

COMPUTER-POWER SUPPLY LA-15 CONTAINS 115 V 400 CYCLE P.S OUTPUT -35VDC & 210 VDC, 3 DECK 25 POS. WAFER SW. 3 POLE 25 POS. WAFER SW. 1 " 12 POS. WAFER SW. 33 PRECISION RESISTORS WIRED TO THE SWITCHES ALSO COND. RECTIFIERS, CONTROL ETC. W/SCHEMATIC USED \$3.95



AMPLIFIER, ELECTRONIC CONTROL TYPE E-1; TORRID COIL TRANSFORMERS, K2701 CHOPPER ERROR SAMPLING & FEED-BACK COMMAND SIGNAL. 1/5751 & 1/5678 TUBE, TRANS. ETC. VOLTAGE REQ. 255 VDC, -22V, 6.3 VAC & 115V400C SIZE: 4x6x1; WT: 2LB. W/SCHEMATIC U \$1.95

MOUNTING BASE FOR AMPLIFIER ASSY. LA-18; USED WITH CAMERA CONTROL SYSTEM LA-17, HELDS COMPUTER P.S LA-15, CONTROL AMP. E-1 & D-1 DESCRIBED ABOVE CONTAINS 4 RELAYS 4PDT, SWITCHES FILTER, RESISTORS ETC. ALSO MATTING PLUGS FOR ABOVE UNITS. SIZE: 13x5x2; WT: 8 LBS. \$3.50 BASE ONLY, WITH SCHEMATIC CONNECTOR PLUGS TO FIT BASE ONLY, EACH \$2.50 CONNECTOR PLUGS TO FIT UNITS " " 1.00



T-233/URW-3 TRANSMITTER & MODULATOR 65.9 TO 93.8 MC AM WITH 4/815 & 10/12SN7 TUBES. CRYSTAL CONTROL ONE CHANNEL. USED IN AIRCRAFT FOR REMOTE CONTROL OF DRONE RECEIVERS. OUTPUT APPROX 50 WATTS. VOLTAGE REQ. 400 VDC @ 400 MA. AND 24 VDC. SIZE: 8x16x16; WT: 32 LBS. USED \$19.95



SA-235/APA-57 CONTROL UNIT HAS A SMALL GYRO CONNECTED TO CONTACT ARM THAT MOVES ACROSS A RESISTANCE CONTACTS WHICH WILL GIVE FOUR VOLTAGE READINGS IN RIGHT OR LEFT POSITIONS. ALSO HAS 24 VDC SEALED RELAY 2PDTCLARE SK5235, AMP. THERMAL RELAY 26C8, 7 POS. & 3 POS. WAFER SWITCHES. SIZE: 10x5x5; WT: 4 LBS. UNUSED \$4.95



R.F. OSCILLATOR, PART OF 3KA-1 EQUIPMENT. CONTAIN SEVERAL TYPES OF BAND PASS FILTERS, VARIABLE CAPACITOR, TUBE SOCKETS, PIN JACKS, RESISTORS 1% PILOT LIGHTS, SWITCH, POTS 2/UG-88 COAX. CONNECTORS ETC. OSC. FREQ APPROX. 24 KC. SIZE: 12x12x4; 13 LBS. RE-MOVED \$1.95



RT-35/AM RADIOSONDE TRANSMITTER-RECEIVER 675 TO 725 MC, USED FOR WEATHER AND RADAR OBSERVATION WITH 4/1L4 & 1/2C35 TUBES. VOLTAGE REQ. 90 VDC & 1/2VDC SIZE 3x4x10; WT: 5 LBS. PRICE: NEW \$3.95

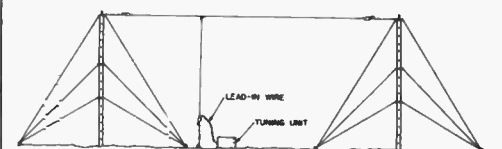


1-196 SIG'AL GENERATOR 160 TO 220 MC, USED TO CHECK IFF SETS WITH ONE 957 TUBE, VARIABLE FREQUENCY AND TONE, PILOT IND. ON/OFF SWITCH. DRY BATTERIES 1 1/2 & 135 VDC. RFQ. HOUSED IN WOOD CASE WITH CANVAS COVER. SIZE: 8x8x14; 10 LBS. PRICE: USED \$3.95

DIGITAL DISPLAY



DIGITAL DISPLAY: EACH UNIT WILL SHOW NUMBERS 0 TO 9 ALSO \$ SIGN 3-3/16" HIGH ON 3x4 SCREEN THAT CAN BE SEEN FOR QUITE A DISTANCE. OPERATES FROM 6.3 VAC. CAN BE ADAPTED FOR BASKETBALL FOUL INDICATOR BY PLACING ONE OVER EACH SCOREBOARD AND HAVE A CONTROL PANEL CONSISTING OF 5 SWITCHES AND TRANSFORMER AT THE SCORER'S TABLE. (WIRING DIAGRAM FURNISHED ON REQUEST) CAN ALSO BE ADAPTED FOR USE AS A MOVING READOUT BOARD. SIZE: 3x5x1 1/2; WT: 7 LBS. PRICE: USED \$5.95 EACH 2 FOR \$10.00



AN/3RA-4 PORTABLE HALF WAVE ANTENNA: DESIGNED FOR TRANSMITTING UP TO 100 WATTS AND RECEIVING IN THE 1.5 TO 18 MHZ RANGE. VERTICAL OR VARIOUS TYPES OF HORIZONTAL ANTENNAS CAN BE ASSEMBLED. (ORDER THE INDIVIDUAL PARTS YOU NEED TO MAKE THE TYPE ANTENNA YOU WANT) AB-85 MAST SECTION, ALUM. 3" 1-5/8" DIA. WITH ONE END SMALLER SO IT SLIPS OVER PRECEDING SECTION. WT: 2 1/2 LB \$1.50

- MX-1116 FRAME USED TO CARRY 16 AB-85 SECTIONS W/CARRING STRAPS EA. END & STORAGE SPACE INSIDE. WT: W/16 AB-85, 40 LBS. MX-1116 FRAME & 16 AB-85 SECT. \$25.00**
- RL-122 REEL ASSY. W/150 FT. BARE WIRE STRANDED 42/32 AND MATING TERMINATIONS SO OTHER REELS CAN BE ATTACHED. 3LB. \$4.95**
- MX-384 INSULATOR; FITS AT THE JUNCTION OF ANY 2 MAST SECTIONS, FOR VERTICAL. 3LB \$2.95**
- AB-154 MAST BASE W/SWIVEL STAKE, SEC. OR INSULATOR FITS INTO FOR VERTICAL. 1LB \$1.95**
- MX-857 ADAPTER FOR TOP OF MAST SO MS-116-117 & 118 WHIPS CAN BE ADDED. 1 LB. \$1.95**
- IL-4 INSULATOR, HAS TERMINALS (2) FOR CONN. ANT. WIRE AND FEMALE COAXIAL FITTING FOR CONN. CG-357/U CABLE. 1 LB. \$2.95**
- CG-357/U COAXIAL CABLE RG-59A/U 72 OHMS WITH W/JACK & PLUG EA END, TYPE "N" 2LB \$2.50**
- MX-GLY ROPES ARE MADE OF 3/16 NYLON AND COME WITH LENGTH ADJUSTMENT FASTENER, SNAP HOOK AND INSULATOR, 800 LB. TEST.**
- MX-3E2 GUY 31FT WITH ATTACHMENTS. 12oz \$1.00**
- VX-3E1 " 40" " " 14" \$1.25**
- VX-3E3 " 50" " " 16" \$1.50**
- VX-378 GUY PLATE FOR FASTENING GUYS 2oz \$.35**
- MX-516 HALYARD 3/16" NYLON ROPE 800 LB TEST 140 FT. WITH INSULATOR, FASTENER THAT ATTACHES TO RL-122 REEL OR WIRE AND A PULLEY THAT FLOATS ON HALYARD AND ATTACHES TO GUY PLATE W/SNAP HOOK. \$4.50**
- CP-12 COUNTERPOISE; FOUR 25 FT RADIALS OF WIRE 16/#30 WEATHER PROOF, WITH ATTACHMENTS THAT ARE FASTENED TO GROUND STAKES, USED W/VERTICAL. 2LB. \$3.95**
- GRA-4 GUY STAKE; ALUMINUM 18" WITH FASTENER FOR GUY, 1 1/2"x1 1/2" ANGLE. 1 LB. \$.50**
- HM-1 HAMMER SLEDGE 36 OZ HEAD, 1 3/8" HANDLE DOUBLE FACE HEAD. 3 LB. \$4.95**
- GRA-4 TAPE; MEASURING STAINLESS STEEL 100 FT 3/8" W. 1/10 & 1/100 FT. GRAD. \$4.95**
- W-128/146 WIRE LEAD-IN, WEATHERPROOF FT \$.05**
- TN-174 TUNER WITH 12 TO 244 MMF VARIABLE CAP. USED IN ANTENNA CIR. TO BRING SET INTO RESONANCE, W/ ATTACHMENTS. 2 LB \$4.95**
- BG-102 BAG; CANVAS WITH SHOULDER STRAP AND CLOSURES. SIZE 14x9x14; 3LB \$1.50**



CARRIER MONITOR: WHEN COUPLED TO AN ANTENNA TRANSMISSION LINE IT PROVIDES DIRECT CURRENT TO A REMOTE POSITION WHICH CAN BE USED AS AN INDICATION OF PROPER TRANSMISSION. THE OUTPUT AMPLITUDE IS PROPORTIONAL TO THE CURRENT FLOW IN THE TRANSMISSION LINE. INPUT IMPEDANCE 600 OHM, OUTPUT IMP. 600 OHM. OUTPUT LEVEL - 30DBM FOR 100% MOD. INTO 600 OHM LINE. WITH TUBES 6X4, 6J6, 6AL5, V103. VOLTAGE REQ. 115/230V 60 CYC. OUTPUT JACKS AND CONTROLS ON FRONT PANEL. ALSO 2 VACUUM CAPACITORS 3MFD 15 KV AND LEAD FOR CONNECTING TO 500 TO 50K WATT TRANSMITTER IN THE 2 TO MC. RANGE. UNIT ALSO HAS COVER. SIZE: 6x5x8; 15 LBS. #1028017 UNUSED \$4.95

AF/URG-60 RECEIVER
100 TO 156 MC AM
CRYSTAL CONTROL ONE
CHANNEL, AVC, SQUELCH
AND NOISE LIMITER
CIRCUITS, 115 VOLT 25-60 CYCLE WITH TUBES
4/6AK5, 4/6SG7, 2/6H6, 2/6SJ7, 1/6F6 & 1/5Y3GT.
OUTPUT PHONE AND LINE JACKS, RF AND VOLUME CON-
TROLS, PILOT LIGHT, SWITCH ETC.
RACK PANEL MTG. 19x5x15; WT: 50 LBS.
PRICES; USED \$39.50 CHECKED FOR OPERATION \$45

MOTOROLA
T-193 TRANSMITTER 30-40
MC, F.M. 30 WATT, CRYSTAL
CONTROL SINGLE CHANNEL,
6 VOLT DC DYNAMOTOR WITH
TUBES 4/7C7, 2/7AB, 1/6V6
& 1/807.
SIZE: 15x9x9; WT: 30 LBS.
PRICES: EW \$14.95 USED \$9.95 NO TUBES \$5.50
MOTOROLA TRANSMITTER 152-172 MC FM USED \$14.95

20 MC - 28 MC
BC-499 RECEIVER F.M. 20-28
MC, 5 CHANNEL CRYSTAL CON-
TROL, FB 15 KC. WITH 11
TUBES 3/12SH7, 1/12SJ7, 2/
12H6, 2/12A6, 1/12SL7GT &
2/12X8. WITH 14 VDC DYNA-
MOTOR OUTPUT 260 VDC 60
MA., AUDIO OUTPUT 500OHM
& SQUELCH CIRCUIT.
SIZE: 12x9x9; WT: 23 LBS.
PRICE: RE-NEW \$18.95
CONNECTOR PLUG TO FIT UNIT ... \$1.50

PHILCO
PHILCO TRANSMITTERS PRT150GT 154-172 MC. FM.
30 WATT, 6 VOLT DYNAMOTOR P.S.
CRYSTAL CONTROL SINGLE CHANNEL
TUBES 2/3A4, 1/9003, 1/6B6, 2/
2E24, 1/6CA, & 1/2E30. USED COND
SIZE: 15x10x8; WT: 35 LBS.
PRICE: W/TUBES, L/CRYST. \$14.95
PHILCO RECEIVER PRT72G 70-80 MC.F.M. 6 VOLT
VIBRATOR POWER SUPPLY, CRYSTAL CONTROL,
SQUELCH CIRCUIT, WITH TUBES 3/6B6, 3/6AK5,
2/6AQ6, 1/6CA, 1/7F7 & 1/7AB. USED LESS CRYST.
SIZE: 15x10x8; WT: 30 LBS. \$14.95

NAVY WALKIE TALKIE MARINE BAND
NAVY WALKIE TALKIE TRANSMITTER &
RECEIVER. THIS EQUIPMENT IS CRYSTAL
CONTROLLED AND CAN BE OPERATED ON
ANY ONE CHANNEL IN THE FREQUENCY
RANGE OF 2.3 TO 4.5 MC. VOICE (A3)
COMMUNICATION ONLY, OUTPUT OF TRANS
IS 0.2 WATTS AND SATISFACTORY COMMUN-
ICATION BETWEEN UNITS OVER AVERAGE
TERRAIN SHOULD BE ABLE TO BE MAINTAIN-
ED UP TO APPROX. (1) ONE MILE.
WITH TUBES 1/1R5, 1/1S5, 2/1T4, 3/3A4. VOLTAGES
REQUIRED 67.5 vdc 3 MA; 135 vdc 4 MA; 1.5vdc
225 MA FOR REC. 67.5 vdc 1.5 MA; 135 vdc 19
MA; 1.5vdc 225 MA & -6vdc 30 MA FOR TRANSMIT.
UNIT COMES IN A WATERPROOF PLASTIC CASE WITH
SPACE FOR BATT. OR POWER SUPPLY. TELESCOPING
ANTENNA 6 FT. HAS SPEC. LOADING COIL.
COMPLETE WITH TUBES, ANTENNA, 2 CRYSTALS
FT-243 (NO CHOICE) HEADSET W/CANVAS BAND
CARBON MICROPHONE, CANVAS COVER, \$9.95
& MANUAL. SIZE: 8x8x2; WT: 8 LBS.

**NAVY WALKIE-TALKIE DIRECTION
FINDING EQUIPMENT MODEL DAV**
SAME AS "MAB" DESCRIBED ABOVE
ONLY HAS A DIRECTION FINDING
LOOP CIRCUIT FOR HOMING AND IS
IN A WATERPROOF PLYWOOD CASE
WITH WEB STRAPS FOR CARRYING ON
BACK OR FRONT. ALSO COMPLETE
WITH TUBES, HEADSET WITH CANVAS
BAND, LIP MICROPHONE, TELESCOPING,
ANTENNA & 2 CRYSTALS (NO CHOICE)
WITH MANUAL. SIZE: 14x10x; 11LB
PRICE: UNUSED \$12.95

VIBRATOR POWER SUPPLY MAB & DAV
DESIGNED FOR USE WITH MAB & DAV
DESCRIBED ABOVE, OPERATES FROM 6 V
DC STORAGE BATTERY NT-6, THAT FITS
ON BOTTOM OF P.S. PACK, 6 V 4AMP.
(CAN BE OPERATED FROM ANY 6 VDC 4 A.
SOURCE) SUPPLIES 1.5 VDC .3 A, .6 VDC
.02 A, 67.5 VDC .005 A, 135 VDC .02A.
ALSO USED WITH NAVY EQUIP. MU, MV
MW & VX. SIZE: 6x3x3; WT: 2 LBS. NEW \$6.95

N-T-6 PLASTIC STORAGE BATTERY
FOR ABOVE POWER SUPPLY CRF-20221A
SUPPLIES 6 VOLTS DC 4 AMP.
SIZE: 3x2x2; WT: 2 LBS. DRY
CHARGE BATTERY. \$3.95

TRANSMITTER RECEIVER
53/T-7 TRANSMITTER-RECEIVER
TO 156 MC AM VOICE, 30 WATT
CRYSTAL CONTROL ON TWO PRESELECTED
CHANNELS, 1 1/2" METER FOR CHECK-
ING OPERATION, MIC, PHONE AND
MONITOR JACKS ALSO VOL CONTROL
ON FRONT PANEL. WITH 16 TUBES
3/1AB5.3/1L4.1/1S5, 1/1LA3.5/3A5,
1/3Q4, 2/3A4. VOLTAGES REQUIRED
90 VDC. 4 1/2 VDC AND 60 VDC.
SIZE: 11x5x13; WT: 15 LBS. USED \$24.95

LINK RECEIVER 30-50 MC FM
TYPE 11-UF-ED-6. CRYSTAL
CONTROL SINGLE CHANNEL,
DUAL CONVERSION, SQUELCH
CIRCUIT WITH TUBES 5/7AG7
2/7AG, 1/7C7, 1/7F7, 1/7B5 &
1/7F7. VOLTAGES REQUIRED
FOR FILAMENT 6 VOLTS,
HIGH VOLTAGE 250 VDC 60MA.
SIZE: 12x13x9; WT: 22 LBS. PRICE: USED \$27.50
POWER & CONTROL PLUG \$1.00 ANTENNA PLUG \$1.00

115V 60 CYC & 6 VDC
LINK TYPE 5-FRX TRANSMITTER
RECEIVER 30-40 MC
115 VOLT 50-60 CYCLE OR
6 VOLT DC. SINGLE CHAN-
NEL CRYSTAL CONTROL. SET
IS HOUSED IN METAL BOX
WITH SPEAKER, HANDSET, PILOT
LIGHT CONNECTOR AND SWITCH
FOR 6 OR 115 V. OPERATION.
TRANSMITTER OUTPUT IS 3 WATT USING TUBES 1/
7F7, 1/7W7, 2/7C5, CRYSTAL FREQ. IS MULTIPLIED
32 TIMES FOR OPERATING FREQ.
RECEIVER SENSITIVITY 2 MICROVOLT OR BETTER.
WITH TUBES 2/6AC7, 2/6K8, 1/6V6, 1/6SH7, 1/6SJ7,
2/6H6, 1/6SL7 & 1/6K6. FREQ. DEVIATION - 15KC
CASE SIZE 21x9x15; WT: SHPG. 80 LBS.
RECEIVER CAN BE OPERATED WITHOUT TRANSMITTER
PRICE: USED AS DESCRIBED \$29.50

**NAVY TCS
TRANSMITTER**
AM, 1.5 TO 12 MC IN 3
BANDS, 40 WATTS CW, 20
WATTS PHONE, VARIABLE
MASTER OSCILLATOR AND
4 CRYSTAL CONTROL PRE
SET CHANNELS OVER THE
ENTIRE FREQ. RANGE.
WITH 3/12A6 TUBES IN
THE OSC. AND BUFFER-
DOUBLER, 4/1625'S MODU-
LATOR AND POWER AMP
IFIER STAGES. ILLUMIN-
ATED DIAL WITH VERNIER
AND SPIN TUNING, 2 1/2
INCH METERS FOR READ-
ING VOLTAGES & R.F.
ALL TUNING AND OPERAT-
ING CONTROLS ARE ON
THE FRONT PANEL. VOLT
AGES REQUIRED 12 VDC
& 400-440 VDC 200 MA.
SIZE: 11x11x13; 41LB
USED \$34.50
USED CHECKED
FOR OPERATION \$44.50

TCS POWER SUPPLIES
115 V 60 CYCLE (NOT SURPLUS)
COMBINATION UNIT FOR RECEIVER,
TRANSMITTER & CONTROL Bx
7x8x13; 50 LBS. WIRED \$50.00
TRANSMITTER ONLY; 5x6x9; 15 LB. " 35.00
RECEIVER ONLY WITH SPEAKER
10x10x6; 15 LB. " 20.00

TCS CABLES RECEIVER TO POWER SUPPLY \$2.75
" " TRANSMITTER TO " " 2.75
PLUGS FOR CONTROL BOX & " " (2) 3.00
TCS ANTENNA LOADING COIL #47205; USED TO MATCH
THE OUTPUT OF THE REC./TRANS. TO A WHIP
ANTENNA TO OBTAIN THE MAXIMUM PERFORMANCE.
OR BY USE OF THE 6 POSITION TAP SWITCH IT
CAN BE USED TO MATCH VARIOUS LENGTHS OF
STRAIGHT WIRE ANTENNA SYSTEMS.
SIZE: 6x9x6; WT: 7 LBS. PRICE: USED \$6.95
TCS PARTS
MOST PARTS AVAILABLE, ADVISE US OF YOUR NEEDS.

LINK RECEIVER 1905 152-172
MC F.M. DOUBLE CONVERSION,
SINGLE CHANNEL CRYSTAL CON-
TROL, SQUELCH CIRCUIT, WITH
TUBES 2/7A6, 1/7F7, 7/7AG7,
1/7B5, 2/6AK5. LESS CRYSTALS
SIZE: 8x10x12; WT: 30 LBS.
PRICE: WITH 6 VOLT POWER SUPPLY \$34.95
" " " " \$39.50
LINK TRANSMITTER 1906 152-172 MC FM LESS TUBE
DYNAMOTOR, RELAYS CRYSTALS, USED 6.95

R-114/VRC-4 RECEIVER AM CRYSTAL
CONTROL ON FOUR CHANNELS IN THE
1.7 TO 8.7 MC BAND, ONE TUNEABLE
BAND OF 190 TO 510 KC. IF FREQ.
525 KC. FOR PHONE AND CW USE.
WITH TUBES 4/6SK7, 1/6K8, 2/6SG7 & 1/6K6. VOLTAG
REQUIRED 6 V. FOR FIL. AND 220 VDC 80 MA.
SIZE: 15x11x14; WT: 80 LBS. RE-NEW \$29.95

CONTROL RECEIVER
R-27-RADIO CONTROL CONVER-
SING RECEIVER 162-174 MC
F.M. CHANNEL OUTPUT, BATT-
ERY OPERATION, REQUIRED VOL-
TAGES 67.5, 45, 30, 15, 7.5 & 10
WITH TUBES 2/959, 2/1T4, 2/3S
4, 1/1S5 & 1/958. I.F. 8.25 MC
CHASSIS AS PHOTO. W/SCHEMATIC
SIZE: 12x.8; WT: 12 LBS. RE-NEW \$9.95
CONNECTOR PLUG TO FIT UNIT..... 1.50

RECEIVER
R-74/CRW-2 RECEIVER A.M.
SUPERREGENERATIVE TYPE FOR
REMOTE CONTROL USE IN THE
53-88 MC BAND. WHEN THE RF
TRANSMITTING CARRIER IS MOD-
ULATED BY 475 OR 3000 CYCLE
TONE. IT ACTUATES THE RELAY
IN THE RECEIVER WHICH CAN
BE USED TO CONTROL EQUIP.
SINGLE PRESELECTED FREQ. MOST BE USED.
WITH TUBES 1/6SG7, 1/6J5, 3/6SL7 AND 1/6SN7. AND
DYNAMOTOR 24 VDC INPUT, OUTPUT 250 VDC 60 MA.
SIZE: 6x8x10; WT: 15 LBS. PRICE: USED \$6.95

**NAVY TCS
RECEIVER**
AM, 1.5 TO 12 MC IN 3
BANDS, CRYSTAL CONTROL
ON FOUR PRESET CHANNEL
OR VARIABLE FREQUENCY
OVER THE ENTIRE RANGE.
AUDIO OUTPUT 1.5 WATTS
INTO A 500 OHM LOAD.
WITH TUBES 12SK7 RF AM
PLIFIER, 12SA7 CONVERT-
ER, 2/12SK7 IF AMPLIFIER
12SC7 DETECTOR/BFO,
12A6 OSC. & 12A6 AUDIO
AMP. IF FREQ. 456.
ILLUMINATED DIAL WITH
VERNIER & SPIN TUNING.
AUDIO GAIN, AVC & BFO
CONTROLS. VOLTAGES REQ
UIRED 12 VDC & APPROX.
220 VDC @ 100 MA.
CW PITCH AND OSCILLAT-
OR SELECTOR CONTROLS.
SIZE 11x11x13; 37LB.
USED \$44.95
USED CHECKED FOR
OPERATION 54.95

TCS REMOTE CONTROL UNIT TYPE
23270 FOR REC. TRANS. AND
AMPLIFIER WITH HEAVY DUTY 5"
PM SPEAKER, MIC & PHONE JACKS,
VOL. CONTROL & SWITCHES.
3x5x7; 7 LBS. RE-NEW \$9.95
RUBBER SHOCK MOUNTS ONLY EACH \$1.50
MOUNTING BASE ONLY \$1.50 WITH 4 MOUNTS \$2.95
NOISE LIMITER CONVERSION KIT W/6H6 TUBE 2.00

TCS DUAL DYNAMOTOR POWER SUPPLY
INPUT 12 VDC 14.5 AMP.
OUTPUT 440 VDC 200 MA.
FOR TRANS. 225 VDC 100
MA. FOR REC., FILTERED
INPUT & OUTPUT WITH
START RELAY & CONNECTORS FOR CONNECTING REC.
TRANS. & CONTROL BOX. RE-NEW
SIZE: 12x7x7; WT: 35 LBS. PRICE: \$14.95
D-401 DYNAMOTOR ONLY FOR TRANS. INPUT 12 VDC
9.9 AMP, OUTPUT 440 VDC 200 MA. RE-NEW \$6.95
D-402 DYNAMOTOR ONLY FOR REC. INPUT 12 VDC
3.8 AMP, OUTPUT 220 VDC 100 MA. RE-NEW \$4.95

STEPPING SWITCHES

WESTERN UNION AUTOMATIC NUMBERS CONSISTS OF 3 ROWS OF LIGHTS NUMBERED 0-9, 3 STEPPING SWITCHES 6 DECK 11 POSITION, ONE 10 DECK 24 POSITION STEPPING SWITCH, ONE RELAY 4PDT & 4PST, OPERATES 40-48 VDC, MOUNTED ON CHASSIS 4x7 1/2x13 1/2; WT: 12 LBS. #9701.1A
PRICE: USED \$19.95

STOCK#	POS. DECK	VDC	PRICE:
7709181P2	25 10	24	\$9.95
7709181P6	25 9	24	8.95
7709181P1	26 9	24	9.50
H-7256	26 5	24	5.95
A336427	12 10	24	5.95
PW104121	26 4	1F	5.95
A315174	21 2	12	3.95
A2 5701	27 6	24	5.95
B215238	27 10	24	9.95
917722	24 8	30	5.95

R-196C/ARW-26Y REMOTE CONTROL RECEIVER, MAY BE TUNED TO ANY FREQUENCY BETWEEN 60 AND 74 MHZ. APPEARS FREQ. CAN BE CHANGED SO THAT THE UNIT MAY BE ADAPTED FOR REMOTE RADIO SIGNAL ACTUATION AS POSSIBLY GARAGE DOOR OPENER, SECURITY SYSTEM ACTUATOR, ETC. ACCEPTS A SIGNAL MODULATED AT 300, 650, 955, 1390 AND 3000 HZ. AUDIO TONE OPERATES A SEPARATE RELAY FOR EACH FREQUENCY. THE 955 HZ RELAY ACTIVATED WHEN THE OTHER RELAYS ARE NOT. THE UNIT PERFORMS MOST EFFECTIVELY FROM VISUAL DIRECTION. RECEIVER CONTAINS AN RF AMP, DETECTOR STAGE AND FIVE AUDIO FILTERS. WITH SIX 12AU7 TUBES. 7 1/2x8 1/2x5 1/2; WT: 8 LBS. UNUSED \$9.95

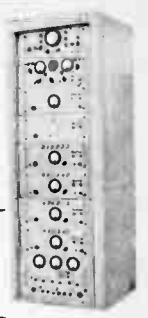


BC-1333 MARKER BEACON RECEIVER 75MC. USED TO RECEIVE SIGNALS FROM ABOVE TRANSMITTER. WHEN SIGNAL IS RECEIVED IT OPERATES A RELAY IN THE RECEIVER WHICH IN TURN CAN BE USED TO OPERATE SIGNALS, LIGHTS, MOTORS, TURN ON EQUIPMENT ETC. VOLTAGE REQUIRED 24VDC. COMPLETE WITH TUBES 1 12SN7, 1 6SH7, 1 6SL7
SIZE: 3x5 1/2x5 1/2; WT. 3LBS. PRICE: USED \$2.95



EQUIPMENT CABINETS

FGC-5 DELUXE CABINET PICTURED WITH COMPONENTS FOR 9" PANEL MOUNTING; 8 DRAWERS 7" HIGH WITH FULL GLIDE SUSPENSION AND TIP OVER FEATURE FOR EASY SERVICING; BOTTOM DRAWER 11-1/8" HIGH, STANDARD MOUNTING. GLIDES CAN BE REMOVED FOR STANDARD MOUNTING. FULL DOOR IN BACK WITH DUAL BLOWER. SIZE: 73x27x24 1/2; SHPG. WT: 300 LBS. \$45.00



EQUIPMENT CABINET WITH REAR DOOR AND HINGED TOP COVER; SIZE: 22x37x15; WT: 80 LBS. WEST.#2237 PRICE: USED \$20.00

FGC-29 EQUIPMENT CABINET WITH REAR DOOR AND 115 VOLT 60 CYCLE BLOWER; SQUARE CORNERS SO THEY CAN BE GANGED. SIZE: 22x75x24 WT: 175 LBS. USED \$40.00



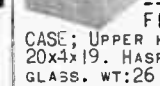
CY-1334/G ACCESSORY CASE THE OUTER FRAME IS FOR RACK MOUNTING AND THE DRAWER SLIDES INTO THE FRAME AND HAS FULL GLIDE SUSPENSION ALSO BRACKET WITH 7 & 9 PIN TUBE PULLERS AND PIN STRAIGHTENER: CASE SIZE 19x12 1/2x20, DRAWER SIZE 15 1/2x10 1/2x19 WT: 18 LBS. (ALUMINUM) EX-COND. \$8.95



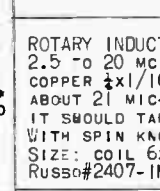
CABINET, FROM MULTI-POINT STATION, STEEL CONSTRUCTION WITH WIRED CONTROL PANEL. CONTROL PANEL INCLINES AT 45 ANGLE AND EXTENDS 7 1/2" DEEP FROM THE CABINET FACE. ONE SIDE IS REMOVABLE. PANEL INCLUDES VARIOUS INDICATOR LIGHTS, SWITCHES, FUSE HOLDERS, JACKS, ETC. INTERNAL COMPONENTS REMOVED EXCEPT FOR FOUR PLUG-IN RELAYS AND JUNCTION BOX. SIZE: 36"x24"x12" SHPG. WT: 100 LBS. #5815-638-2333 \$12.95



AN/USM-25A CASE; TWO COMPARTMENTS ONE 11x19x13, WITH 1" RUBBER GUIDES ON ALL FOUR SIDES; THE OTHER 4x19x13, WITH 1/2" RUBBER GUIDES. HASP FASTNERS; PLYWOOD; WT: 29 LBS. PRICE: \$5.00



FIBERGLASS J-22-51 CASE; UPPER HALF 20x8x19; LOWER 20x4x19. HASP FASTNERS; FIBERGLASS. WT: 26 LBS. PRICE: \$5.00



ROTARY INDUCTANCE TUNER COIL 2.5 TO 20 MC. 26 TURNS FLAT COPPER 1/16 (APPROX. #18) ABOUT 21 MIC-HY (LOOKS LIKE IT SHOULD TAKE 1000 WATTS) WITH SPIN KNOB AND COUNTER DIAL. SIZE: COIL 6x5x8 1/2, DIAL PLATE 6x3 1/2; WT: 9 LBS RUSSC#2407-1M PRICE: RE-MOVED F/EQUIP. \$14.95



ROTARY INDUCTANCE TUNER COIL 2.5 TO 20 MC. 29 TURNS WIRE NO. 14, COIL FORM 2-3/16x4-3/8 APPROX. 19 MU-HY, 100 WATTS, 1/2" SHAFT WITH COUPLING. SIZE: 3x4 1/2x7; WT: 4 LBS. RUSSC#2407-1C PRICE: RE-MOVED F/EQUIP. \$9.95



ROTARY INDUCTOR & DIAL 32.7 UH, 43 TURNS 1 1/2" DIA x 2 1/2 LG. COIL, OVERALL LENGTH 2 1/2x2 1/2x7, P/O TCS TRANSMITTER. (SHOULD BE GOOD UP TO 100 WATTS) WT: 2 LB. #TCS-L108 REMOVED \$9.95



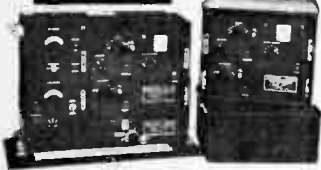
VARIABLE CAPACITOR TO MATCH ABOVE ROTARY COIL; 425 MMFD, 3/4x1 1/2x1 1/2 WITH SHAFT. TCS-C116 REMOVED FROM UNITS \$2.95



ROTARY INDUCTOR COIL FROM COMMAND TYPE TRANSMITTER, COMPLETE UNIT LESS TUBES, CRYSTAL WITH DIAL, CAPACITORS, 2 VARIABLES ETC. SHPG. WT: 10 LBS BC-457-458 OR EQUIV. ENT. USED \$4.95

BC-223 TRANSMITTER

\$19.95



BC 223 TRANSMITTER 25 WATT 2000 TO 5200kc BY USE OF 3 PLUG IN TUNING UNITS, CRYSTAL CONTROL AND VARIABLE OSCILLATOR, FOUR PRESELECTED CHANNELS, USES

FT-171 CRYSTAL HOLDERS WITH TUBES 1/801 OSCILLATOR, 1/801 POWER AMPLIFIER, 2/46 MODULATORS, 1/46 AUDIO AMPLIFIER, 2" METERS, 0-3 R.F. & 0-300 VDC MA. VOLTAGE REQUIRED 12 OR 24 VDC & 500 VDC @ 150-200 MA.

SIZE: 18x13x7; WT: WITH 3 TUNING UNITS 100 LBS PRICE: W/TUBES AND 3 TUNING UNITS WITH CASES FOR 2 TUNING UNITS.. NEW \$19.95

TU-17 TUNING UNIT 2000-3000 KC.	\$3.95
TU-18 " " 3000-4500 "	2.95
TU-25 " " 4500-5200 "	2.95
CS-56 CASE FOR HOUSING TUNING UNIT	1.00
FT-173 SHOCKMOUNTING	1.95
POWER PLUG CONNECTOR F/TRANS OR POWER	1.25
PE-135/PE-55 DYNAMOTOR 12/24 VOLT, USED	10.95
AC POWER SUPPLY	
KIT OF PARTS \$25.00 WIRED \$29.95	

COMCO MODEL 278 TRANSMITTER-RECEIVER

275 MC. RECEIVER-TRANSMITTER FOR 6/12/24 VOLT OPERATION. POWER OUTPUT 2-3 WATTS. UNIT IS CRYSTAL CONTROLLED (CRYSTALS NOT INCLUDED). COMPLETE WITH TUBES: 2E26, 5686, 5/68H6, 12AX7, 2/6AQ5, 6AT5, 3/68J6, 6BE6, 2/6AK5, 6AK5. UNIT COMPLETE WITH TUBES, CABLES, SPEAKER, AND CONTROL BOX. SIZE: 12 1/2x11 1/2. WT: 35 LBS. USED \$39.95



DIVERSITY RECEIVER

DIVERSITY RECEIVING EQUIPMENT PROVIDES A MEANS FOR COMBINING THE OUTPUT OF THREE RECEIVERS TO PRODUCE A SINGLE KEYED AUDIO OUTPUT SIGNAL, FREE FROM NOISE AND OTHER UNDESIRABLE INTERFERENCE. IT IS SUITABLE FOR USE ONLY IN CW & MCW SIGNALS AND NOT VOICE. THE BAND PASS FILTER IS FOR 600 TO 1200 CYC. AND THE OUTPUT OF EACH RECEIVER IS INDICATED ON THE METERS WHICH ARE 500 MICROAMP. THE AUDIO FREQ. CONTROL CAN BE ADJUSTED FOR THE PROPER BAND PASS. INPUT AND OUTPUT IMPEDANCE IS 600 OHMS. EQUIPMENT OPERATES FROM 115/230 VOLT 50/60 CYC. AND CAN BE RACK MOUNTED. W/TUBES 1/VR-150, 1/6F8, 3/6A6, 2/6SJ7, 1/77, 1/1V, 1/8C. SIZE: 21x19x14; WT: 125 LBS. PRICE: NEW WITH MANUAL \$19.95



STANDARD ELECTRIC TIMER TYPE S-1 ONE (1) REV. PER SEC. MOTOR 115 VOLT 400 CYCLE, CLUTCH 24 VDC, RESET 24 VDC. SIZE: 5 1/2x5 1/2x4 1/2. WT: 8 LBS. STOCK NUMBER 6645-803-21C7 PRICE: UNUSED \$24.95

AIR SPEED INDICATOR

10-1681 APA-44 AIRSPEED INDICATOR. CONTAINS A KOLLMAN TRUE AIRSPEED METER AND AN INDICATING DEVICE WITH A RANGE OF 84 TO 434 KNOTS. BY OPERATION OF THE TEST SWITCH THE AIRSPEED SERVO MAY BE MADE TO RUN IN DIRECTION OF INCREASING AIRSPEED, IN DIRECTION OF TRUE AIRSPEED, OR TO HOLD THE PRESENT SETTING FLEXIBLE TUBE CONNECTED TO A TEMPERATURE COMPENSATING THERMOMETER. JOHN OSTER MOTOR # AV 240 28 VDC. TUBES 1/6AK5W. WESTERN ELECTRIC RELAY D171584. SIZE 15x7 1/2x5. WT. 19 LBS. USED \$5.95 RE-NEW \$8.95



RT-122/APW-11 REC. TRANS.

RT-122/APW-11 RECEIVER TRANSMITTER, THIS UNIT CONSISTS OF A TUNABLE RECEIVER CAVITY, A CRYSTAL DETECTOR, A VIDEO AMPLIFIER, DECODING CIRCUITS, A TRANSMITTER AND CIRCUITS FOR OBTAINING AUDIO FREQUENCY TONES FROM THE PULSE POSITION MODULATED SIGNALS OF THE AN/MSQ-1. THE TRANSMITTER CONTAINS CIRCUITS FOR ENCODING THE REPLY BY VARYING THE SPACING BETWEEN THE TWO REPLY PULSES. THE RECEIVER-TRANSMITTER RECEIVES INPUT PULSES TRANSMITTED AT A PULSE REPETITION FREQUENCY OF 410 CYCLES PER SECOND AND A PRESET CARRIER FREQUENCY RANGING BETWEEN 2680 AND 2920 MC. THE REPLY PULSES ARE AUTOMATICALLY TRANSMITTED AT A PRESET CARRIER FREQUENCY RANGING BETWEEN 2700 AND 2950 MC. TUBES: 1/12AT7; 2/2021; 6AS6; 6AL5 2C40. SIZE: 13x5 1/2x6. WT. 19 LBS. PRICE: USED WITH TUBES.... \$14.95 USED LESS TUBES.... 5.95



C-400/APW-11 SELECTOR UNIT FOR RT-122 REC-TRANS. CONTAINS 6 RELAYS 24 VDC SPST NORM OPEN, 15 9 PIN SOCKETS, 1 OCTAL, 6 FILTERS, 1 DPDT SW. RESISTORS CONDENSERS ETC. 5x6x12; 8 LBS PRICE: USED LESS TUBES \$2.95



SERVO AMPLIFIER

SERVO AMPLIFIER #358661 IN SEALED BLACK BOX CONTAINING SIX (6) TUBES 2/6AL5, 2/6AQ5, 1/6096, 6101, RELAY DPDT, OUTPUT TRANS. COND. RESISTORS ETC. SIZE: 5x3x4; WT: 4 LBS. USED \$1.95



AMPLIFIER

WEBSTER ELECTRIC AMPLIFIER SERVO TYPE. OPERATES FROM 115 VOLT 60 CYCLE, WITH TUBE 3/6SN7, 1/6H6, 1/6SN7 & 1/5T4, POWER SUPPLY OUTPUT 250 VDC 80 MA (UNFILTERED) 5 VAC @ 3 A 6.3 VAC @ 3 A., 6.3 VAC @ 4 AMP. ALSO INTER-STAGE TRANSFORMERS, RESISTORS, CONDENSERS CONTROLS ETC. CHASSIS SIZE 14x6x1 1/2; WT: 19 LB PRICE: USED \$4.95



INSULATORS



STAND-OFF
 STK#M-1016SD; DIA. 1 1/2", 4" LONG, 1-20 THREAD, 3/8" MTG. 2 LB. PRICE: \$3.50
 STK#3G1300-8002; DIA. 1" 5" LONG, 1-20 THREAD, 3/8" DEEP. 1LB. \$2.50

STK#3G1300-128; 1 1/2" DIA., 8" LONG, 1-20 THREAD, 3/8" DP. 2 1/2" IN. MTG. 1 1/2 LB. \$3.50

STK#INS.1014; FEED-THRU 4" LONG 1/2" HOLE, 7/8 DIA. WITH NECK. PRICE: 25¢

STK#3G2001-6; FEED-THRU 6" IN. 1/2" HOLE, 9/16 DIA. NO NECK. PRICE: 35¢

STK#INS.#1015; FEED-THRU BRASS BOLT 6 1/2" LONG X 1/2" W/ NUTS, SPLIT INSULATOR FOR 3/4" THICK MOUNTING WITH CORK WASHERS, OVERALL LGTH 3 1/2 X 2, WT: 2LB. \$2.50

STK#3G584 IN-84 FEED-THRU CONICAL SHAPE, 5" LG. O/A; 2 CONICAL SHAPED 1-1/8 LG. 1 1/2 DIA. AT BOTTOM, 1" AT TOP, 1/4" DIA. ROD WITH 1/4 20 THREAD WITH NUTS, WASHERS 1/2 LB. 25¢ EA. 5 FOR \$1.00

SIMILAR TO ABOVE CONICAL BOTTOM INS. 3/4 X 3/4 X 1/2; TOP 2 X 1-1/8 X 1 1/2; 3/16 BOLT 3" LG W/ NUTS & WASHERS. 1/4 LB. 35¢ EA. 3 FOR \$1.00
 STK#IN-1017



33136-20.11 RIGGED CONICAL 2" BASE, 1/2" TOP, 1 1/2" LONG, PUSH SPRING TYPE BINDING POST ON TOP, WHICH CAN BE REMOVED AND BOLT INSERTED. 1/2 LB. 35¢ 3 FOR \$1.00

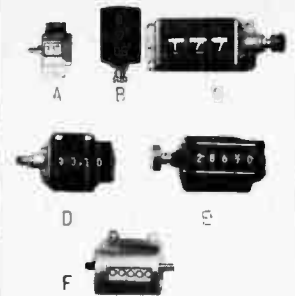
#1V-70 STRAIN INSULATOR; CYLINDRICAL WITH FOUR 1/2" RIBS. 7/16" HOLE. 2 1/2 X 1 1/2 DIA \$.35 EA. 3 FOR \$1.00

STK#CBJ61023 ENTERING INSULATOR, CERAMIC 2 1/2 X 2, CADMIUM PLATED MOUNTING RING 3 1/2" WITH 6 MOUNTING HOLES, CASNET, 4" 1/4-20 THREAD BRASS BOLT WITH NUTS. 1/2 LB 39¢ EACH 3 FOR \$1.00

SPREADER INSULATORS #1N-1020; 4" LG X 3/4 DIA 2 1/2" HOLE CENTERS. 25¢ EA. 5/\$1

ART-13 TRANSMITTED ANTENNA INSULATOR PANEL; 1 EA. 3 1/2 X 4 OBLONG WITH 2 ISOLATED SPRING TYPE BINDING POST, ONE/ COMPLETE ASSY. \$1.00

COUNTERS



A. 3 DIGIT COUNTER. 1/8" SHAFT. EACH NUMERAL 1/8 IN. SIZE: 1 1/2 X 1 1/2. STK#CBSH334 \$.75
 B. 3 DIGIT COUNTER. FOR VERTICAL MOUNTING. 3/8 IN. GEAR ON SHAFT. EACH NUMERAL 1/8". 1 1/2 X 1 1/2 X 1-1/8 STK#CBSH173 \$.79
 C. 3 DIGIT COUNTER WITH BEVELED GEAR 2 1/2 X 1 1/2. NUMERALS 1 1/2 X 1 1/2. STK#CBSH177 \$1.00

D. 3 DIGIT COUNTER W/DIGITS 10THS, ONES, TENS. 100 THS DIGIT REMAINS 0. 1/8 IN. NUMERALS. 2 X 1 1/2 X 1 STK#CBSH9030 \$.75

G. THREE DIGIT COUNTER WITH BEVEL GEAR OPEN FRAME BACK, LEFT DRIVE. SIZE 1 X 3/4 X 3/4, MTG. MASK 1 X 1. STK#G32163 \$.50

F. 5 DIGIT COUNTER W/3/16 IN SHAFT EXTENDING 3/8" AT EACH END. 99999-0 DESCENDING ONLY. 1/8" NUMERALS. 1 1/2 X 1 1/2 X 1 STK#CBSH00000 \$1.00

3 DIGIT COUNTER, VEEDER MFG. 1/2" DIA. GEAR SHAFT; 1/2" DIA. EXTERIOR SHAFT CAN BE GROUND TO 1/4". OVER-UNDER MOUNTING. 2 1/2 X 1 1/2 X 4 1/2; BC-1323 COUNTER \$1.00

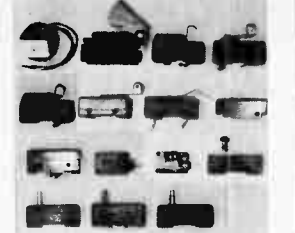
TELEPHONE JACK STRIPS

#4C4426-14 TWENTY JACKS 3 CONDUCTOR CONTACT ARRANGEMENT J-2. KEL#261 \$2.80
 #4C4322-25 TEN JACKS 3 CONDUCTOR CONTACT ARRANGEMENT J-2-1A; \$1.95
 #4C4426-11 TWENTY JACKS 3 CONDUCTOR CONTACT ARRANGEMENT J-2, NUMBERED 0-19 \$2.50
 #4C4436-92-2 TWENTY JACKS 3 CONDUCTOR CONTACT ARRANGEMENT J2, NUMBERED 20-39. KELLOG #369 \$2.50
 #4C4692-2 TEN JACKS 3 CONDUCTOR CONTACT ARRANGEMENT J2 WECO#92 TYPE139 \$1.95



3G1830-67076 ENTERING INSULATOR, BOWL 4-3/8" HIGH, 6-15/16 AT BASE, 1 1/2" ROD 3/8 BRASS WITH NUTS, MOUNTING RING 3 SEC. 8-3/4" DIA. W/ 6- HALF INCH NUTS & BOLTS 2 1/2" LG., BELL CAP 6" DIA. 10 LBS. \$5 EA. 3 FOR \$12.00

MICRO SWITCHES



SPST, R-RL2, NORMALLY CLOSED ROLLER LEVER ASSEMBLY, 15 A 125/250V. 2 1/2 X 5/8 \$.75

SPDT; 3Z-3R244T4; ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. PIN PLUNGER; 2 X 1 X 1/2 \$.30

SPST; WHBT349A-1, NORMALLY OPEN. LEVER PLUNGER. 2" X 1" X 5/8". \$.30

SPDT; BZ-2R; ONE SIDE NORMALLY, OTHER CLOSED; PUSH PLUNGER ASSY. W/MOUNT. 2 X 1 X 1/2 \$.50

SPST; WZ-RQ41; NORMALLY OPEN; PUSH PLUNGER W/ MOUNT. 2 X 1 X 1/2 \$.45

DPDT; MS25008, ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. EXTENDED BUTTON PLUNGER. 2 1/2 X 2 X 1 1/2 \$1.50

SPDT; YZ-3RLTC2, ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. STRAIGHT LEVER PLUNGER. 2" X 7/8" X 1 1/2 \$.25

SPDT; WHBT349B-1; ONE SIDE NORM. OPEN, OTHER CLOSED. LEVER PLUNGER 2 X 1 X 1/2 \$.30

SPST; MU SWITCH TYPE D; 3PLIT DIE CAST ENCLOSURE 4/8" TAP CONDUIT HUB; 17/8.5A 125/250V. PUSH PLUNGER; 2 1/2 X 2 X 1 \$.75

SPDT; 2MD3-1A, ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. PIN PLUNGER. 1 5/8" X 1 1/2" X 1 1/2" \$.45

SPST; 2MC3-1A, NORMALLY CLOSED. PIN PLUNGER. 1 5/8" X 1 1/2" X 1 1/2" \$.45

SPST; SW-186, NORMALLY CLOSED. EXTENDED PIN PLUNGER. 2 1/2 X 1 1/2 X 5/8" \$.25

SPST; G-RS, NORMALLY OPEN. EXTENDED PIN PLUNGER. 2" X 1 1/2 X 5/8" \$.40

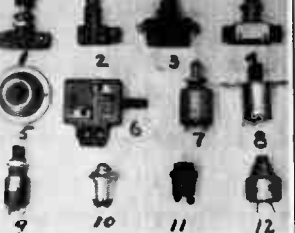
SPST; MO7-102T, NORMALLY OPEN. EXTENDED PIN PLUNGER. 2" X 1 1/2 X 5/8" \$.40

SPST; WZ-RS9, NORMALLY CLOSED. EXTENDED PIN PLUNGER. 2" X 1 1/2 X 5/8" \$.40

SW-118 SWITCH ASSY SPST, ONE SIDE HOLDING ON; -OTHER SIDE MOMENTARY ON CENTER OFF. SWITCH SIZE: 1 1/2 X 1, CAL SIZE: 2 1/2 X 1 \$.35 EA 3/\$1.00

THUMB-IT WHEEL WAFER SWITCHES NUMBERED 1 TO 10 CAN BE USED SINGLY OR IN BANKS. EACH SECT. ON SIZE 2 X 2 X 1/2, PRICE EACH SECT. 65¢ BANK OF FIVE AS ILLUSTRATED NOT AVAILABLE
 #5930-539-6550

PUSH SWITCHES



PUSH SWITCH WITH TWO SPDT MINIATURE MICRO SWITCHES, ONE SIDE NORM. OPEN, OTHER CLOSED; SCREW CAP COVERS PUSH BUTTON. #2PB1 .75

SPST NORMALLY OPEN; 3A/250. PSW002 \$.35

DPST NORMALLY OPEN; 1A/250. PSW004 \$.35

SPST GOLD-FINISHED DOORBELL NORMALLY OPEN; 1 5/8" DIA. HARDWARE INCLUDED. PSW005 \$.35

JPST INTERLOCK, NORMALLY OPEN. (3Z9825/254) PSW006 \$.35

SPST PULL SWITCH, NORMALLY OPEN. PSW007 \$.35

SPST NORMALLY CLOSED; CAPING AS GROUND; 1/2" SCREWS REQUIRED FOR MOUNT. PS1008 \$.35

SPST, NORM. OPEN, FITS 3/8" HOLE. PSW1323 \$.35

SPST NORMALLY OPEN. PS7010 \$.35

SPST NORMALLY OPEN. PUSH-IN MOUNT REQUIRES 5/8" HOLE. PSW011 \$.25

SPST, NORM. OPEN, FITS 5/8" HOLE. J-3-PB \$.39



DPST PUSH-LEVER SWITCH. PSW013 \$.50

DPST PUSH-LEVER SWITCH. NORMALLY OPEN. PSW014 \$.50

DPST NORMALLY OPEN. PSW015 \$.50

FIVE-PUSH SWITCH 2PST NORM. GL. 1PST NORM. OP. 1PDT. 5 X 3 X 1 #PSW5022 \$1.00

SIX-PUSH SWITCH; FIVE ARE SPST NORMALLY OPEN, THE OTHER DPST AND DPDT ON THE OPPOSITE SIDE. 4 1/2 X 2 1/2 PS7017 \$1.00

SPST PUSH-LEVER SWITCH. 3 5/8" X 1 1/2" X 1 1/2". PSW022 \$.35

SPST NORMALLY CLOSED MICROPHONE SWITCH. COVER AS GROUND, WITH MOUNT. PS7019 \$.75

SPST NORMALLY OPEN START-STOP DOUBLE SWITCH. #401. PSW020 \$1.00

DPST, MICRO SW. NORM. CLOSE PUSH PLUNGER W/ SIDE MOUNT; 1 1/2 X 1 1/2 CR107CC103 \$.50

EIGHT PUSH SWITCHES DPST NCRM. OPEN AUTO RELEASE. PUSH SW. RELEASES ALL SPST NG. CL. 5 X 2 X 1 1/2 #855-151 \$1

CHAFF DISPENSER CONTROL BOX AND 24 VOC 5 DIGIT DECLINING COUNTER 2 DIGITS AT A TIME ALSO 12 POSITION WAFER SWITCH. LESS DIAL LAMPS \$ TOGGLE SWITCH. 6 X 4 X 3; 2LBS. \$1.95

SWITCHES



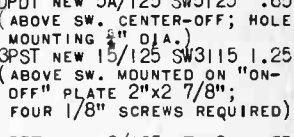
AIRCRAFT TYPE SWITCH TWO HOLE MOUNTING FIG. #1

CIR	CON	RATING	NO	PR
SPST NEW	5A/125	B-5A		.25
SPDT NEW	15/125	B-9-A		.35
(ABOVE SW. CENTER-OFF)				
SPDT REM	15/125	3022-7		.35
(ABOVE SW. CENT-OFF MOM. B.S)				
SPDT NEW	15/125	B-1B		.30
DPST NEW	30/125	C-1		.40
DPDT NEW	20/125	3023-10		.55
SPDT REM	5/125	B-7A		.55
(CENTER-OFF, MOM. ONE SIDE)				

TOGGLE SWITCHES

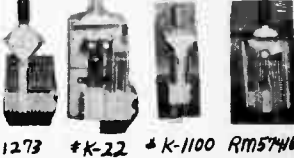
TOGGLE SWITCHES SINGLE HOLE MOUNTINGS: CONDITION NEW & "REM" RE-MOVED FROM EQUIPMENT, ALL GUARANTEED.

CIR	CON	RATING	NO	PR
SPST REM	6A/125	SW-105		.20
DPDT REM	15/125	ST-52R		.35
(MOMENTARY, NO OFF POS.)				
DPST NEW	10/250	8829K4		.50
(ABOVE SW. MOMENTARY)				
DPST NEW	3A/125	CH7590		.35
DPST REM	15/125	ST50-K		.45
DPST REM	5A/125	8822K1		.35
DPST REM	10/250	CH3545		.40
DPST REM	3A/125	SW3125		.20
DPDT REM	6A/125	SW6125		.30
DPDT REM	5A/125	ST22R		.35
SPDT REM	15/125	ST-42D		.25
("ON" BOTH SIDES)				
DPDT REM	15/125	ST52N		.35
3PST NEW	15/125	SW3115		1.00
4PST REM	10/125	7661K5		1.00
SPST REM	6/125	8817K2		.35
(MOMENTARY)				
DPDT NEW	5A/125	SW5125		.65
(ABOVE SW. CENTER-OFF; HOLE MOUNTING 1/2" DIA.)				
3PST NEW	15/125	SW3115		1.25
(ABOVE SW. MOUNTED ON "ON-OFF" PLATE 2" X 2 7/8"; FOUR 1/8" SCREWS REQUIRED)				
SPDT REM	8/125	ST-13D		.25
("ON" BOTH SIDES)				
DPDT NEW	15/125	BARKELEW		\$2.50
(ABOVE SW. MEASURES 5" X 6 1/2" X 1 1/2"; FOUR SCREW MOUNTS FOR 1/8" SCREWS)				



1273 #K-22 #K-1100 RM5746

LEVER SWITCHES



TELEPHONE TYPE LEVER SWITCH 6 MAKE ONE SIDE-CENTER "OFF" 6 MAKE OTHER SIDE; REMOVED. #HAC4803 \$.60

4 CIRCUIT EA. SIDE NORMALLY OPEN #3Z9818-9.1 50¢ EA. 1 SIDE 8 BREAK 8 MAKE 4 MAKE OTHER 1 BREAK #SW-BC1323 RE-MOVED 60¢

1 SIDE 2 MAKE OTHER SIDE 2 BREAK 2 MAKE SW-EE-2 35¢
 TCK#404 GE#P7763503-2 50¢
 1 SIDE DPDT NC & DPST NO.

PUSH-TO-TEST



PUSH-TO-TEST INDICATORS. DOUBLE LAMP HOLDERS WITH MINIATURE BAYONET BASE. 2 1/2"x1 1/2"x2". KORRY ST-260 SCREW TERMINALS OR TYPE 260 WITH SOLDER TERMINALS. AVAILABLE WITH THE FOLLOWING INSCRIPTIONS:
 POWER - AIR CONDITIONING-IGNITER - POWER SUPPLIES-ERECTOR - 100% LIQ OXY
 PRICE: \$2.00EA

PUSH-TO-TEST INDICATOR WITH MINIATURE BAYONET SINGLE LAMP HOLDER. 2 1/2"x2 1/2"x2". KORRY ST-136 SCREW TERMINALS OR TYPE 136 WITH SOLDER TERMINALS. AVAILABLE WITH THE FOLLOWING INSCRIPTIONS:
 LOW - OVERLOAD - MALF. - POWER ON
 PRICE: \$1.25EA

PUSH-TO-TEST INDICATOR WITH MINIATURE SCREW BASE. PED 7/16" DIA. SMOOTH JEWEL. 0" TO 1/2" SURFACE CLEARANCE. REQUIRES 3/8" HOLE TO MOUNT. 1 5/8" LONG. USED.
 VM-500-2 \$.59EA

PUSH-TO-TEST INDICATOR WITH MINIATURE SCREW BASE. 3/4" DIA. CARAMEL-COLOR COVER. 0" TO 1/2" SURFACE CLEARANCE. REQUIRES 11/16" HOLE TO MOUNT. 1 15/16" LONG. NEW.
 6210-617-0946 \$.59EA

PUSH-TO-TEST INDICATOR WITH MINIATURE BAYONET DOUBLE LAMP HOLDER. 2 5/8"x1 1/16"x5/8" WITHOUT LAMP COVER. COVERS NOT AVAILABLE. NEW. KORRY TYPE 261 WITH SOLDER TERMINALS
 PRICE: \$1.00EA

INDICATOR LIGHT WITH MINIATURE BAYONET DOUBLE LAMP HOLDER. 2 1/2"x1 1/2"x2". INSCRIBED WITH "CHECK FULL RPM" NEW. KORRY TYPE 204 SOLDER TERMINALS.
 PRICE: \$1.75



BULLS EYE PILOT LIGHTS
 DULL FINISHED BRASS, BAYONET BASE, AND 0" TO 1/2" SURFACE CLEARANCE. ALL USED. LESS BULBS. PRICE: \$.39EA

B. PILO01. 7/16" CLEAR JEWEL. SINGLE CONTACT MINIATURE BASE. 2-1/8"x7/8"
 D. LH62RY2. 3/8" DIA. AMBER JEWEL. SINGLE CONTACT MINIATURE BASE. 2 1/2"x1"

GRIMES INDICATOR LIGHT WITH ROUND LENS CAP; RED LENS, SUB-MIN. 28V. BULB INCLD. 7/16" THREADED BASE; SINGLE CONTACT. 2 1/2"x1 1/2"
 6220-333-5827 \$.50



PILOT LIGHT JEWELS

RED, FACETED, 3/8" DIA. JEWEL. SCREWS INTO 11/16" DIA. HOLE OF DESIRED ASSEMBLY.
 TYPE 81 \$.15 EA.

SMOOTH RED JEWEL 3/8" IN DIAMETER. SCREWS INTO A 3/8" ASSEMBLY.
 SERIES F \$.15 EA

LARGE 5/8" FACETED AMBER JEWEL. SLIPS OVER BRACKET 7/8" IN DIAMETER. HAS ALSO MOUNTING HOLES FOR 3/32" SCREWS.
 2Z5368/1 \$.15 EA

3/8" DIA. WHITE SLIP-IN LAMP CAPS FOR SWITCHBOARDS. (NOT PICTURED) SLIPS INTO 3/8" HOLE.
 4C1971 \$.15 EA 100/\$10

SUB-MINIATURE PILOT ASSEMBLY. 5/16" AMBER FACETED JEWEL FIT INTO BRACKET WITH AN OPENING OF 5/16". REQUIRES DOUBLE TERMINAL PLUG-IN OR SOLDER-IN NEON LAMPS. 1" LONG AND 1" HIGH.
 PILO10 \$.15 EA 8/\$1.00



SUB-MINIATURE NEON PILOT LIGHT ASSEMBLY. FLUTED. 5/16" DIA. CLEAR JEWEL. BASE IS FEMALE PART FOR A THREE PRONG PLUG WITH 1/16" DIA. HOLES IN ISOSCELES TRIANGLE PATTERN. MOUNTS IN 3/8" HOLE. 0" TO 3/8" SURFACE CLEARANCE. 1 3/8" LONG. INCLUDES BULB. USED. 110V. PILO07 \$.25 5/\$1.00

SINGLE TERMINAL AND CONTACT SUB-MINIATURE DIMMER PILOT LIGHT. MECHANICAL DIMMER VARIES SIZE TO COMPLETE DARKNESS. REQUIRES T-1 1/2 BULB. 5/16" DIA. SMOOTH RED JEWEL. MOUNTS IN 7/16" HOLE. 1 3/8" LONG. LESS BULB. NEW.
 6210-643-4087 \$.59

PILOT LIGHT WITH SINGLE CONTACT, MINIATURE BAYONET BASE. CLEAR STOPEPIPE, SMOOTH 5/8" DIA. JEWEL. MOUNTS IN 11/16" HOLE. SURFACE CLEARANCE IS 0" TO 3/8 2 1/8" LONG. LESS BULB. USED.
 PILO08 \$.39

ALL PLASTIC PILOT LIGHT. SINGLE CONTACT, MINIATURE SCREW TYPE BASE. RED FLUTED, COVER-LIKE JEWEL 3/8" IN DIAMETER. NEEDS 3/4" HOLE. SURFACE CLEARANCE OF 0" TO 1/2". THERE IS NO ADJUSTING INSTALLATION DEPTH BY A NUT TWO 3/32" SCREWS ARE NEEDED TO ANCHOR LIGHT. 1 1/2" LONG. LESS BULB. USED.
 PILO09 \$.39



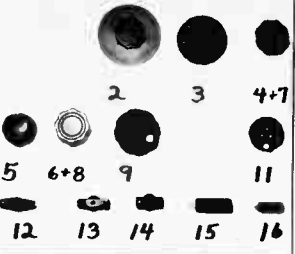
PILOT LIGHT WITH A SINGLE CONTACT, CANDELABRA SCREW BASE. LARGE 1" DIA. RED JEWEL FACETED ONLY AT THE EDGE. REQUIRES 1" HOLE AND HAS SURFACE CLEARANCE OF 0" TO 1/2". 2 3/8" LONG. LESS BULB. UNUSED.
 PILO02 \$.59

PILOT LIGHT WITH SINGLE CONTACT, CANDELABRA SCREW TYPE BASE. 1" DIA. RED-FACETED JEWEL. MOUNTS IN 1" HOLE WITH SURFACE CLEARANCE OF 0" TO 1/2". 2 1/2" LONG LESS BULB, UNUSED.
 PILO03 \$.59

PILOT LIGHT WITH SINGLE CONTACT, MINIATURE BAYONET BASE. 3/8" DIA. SMOOTH, GREEN JEWEL. MOUNTS IN 5/8" HOLE WITH A SURFACE CLEARANCE OF 0" TO 1/2". 2 1/16" LONG. LESS BULB, UNUSED.
 PILO04 \$.49



PUSH BUTTON SELECTOR SWITCH, 6-BUTTON EACH NORMALLY CLOSED, MAKE ONE EACH SIDE. 5 1/2" X FRONT MTG. PIECE. MOUNTS INTO 4" X 2" X 1/2" AREA. WITH TERMINAL BOARD. UNUSED \$3.96EA.



FLUTED KNOBS

2-3/8" FLUTED KNOB W/3" SKIRT, BRASS INSERT FOR 1/2" SHAFT. GR#9682 \$1.00
 2-3/8" FLUTED KNOB W/2-7/8" SEMI SKIRT, INSERT FOR 1/2" SHAFT. GR#9566 \$1.00
 1 1/2" DIA. FLUTED KNOB WITH REMOVABLE 3" DIAL WITH MARKING 34L-C-34R. BRASS INSERT FOR 3/16 DIA. SHAFT. KNBNO02 \$.25

1" DIA. FLUTED KNOB WITH 2" NON-LINEAR CALIBRATED DIAL. BRASS INSERT WITH 1/2" DIA. HOLE. KNB003 \$.25

1 1/2" DIA. FLUTED KNOB WITH POINTER, BRASS INSERT FOR 1/2" SHAFT. KNBNO04 EA \$.25, 5/\$1.00

1 1/2" DIA. FLUTED KNOB WITH SKIRT AND POINTER. BRASS INSERT FOR 1/2" SHAFT. KNBNO05 \$.25

1 1/2" FLUTED KNOB WITH BRASS INSERT FOR 1/2" SHAFT. KNBNO06 \$.25

1" DIA. FLUTED KNOB WITH POINTER, BRASS INSERT FOR 1/2" SHAFT. KNBNO07 \$.25

1" DIA. FLUTED KNOB WITH BRASS INSERT FOR 1/2" SHAFT. KNBNO08 \$.25

ALL THE ABOVE KNOBS ARE OF SET SCREW TYPE.

SPIN KNOBS

2" DIA METAL FLUTED SPIN KNOB FOR 5/32" SHAFT. KNBNO09 \$.79

2 1/2" DIA. SPIN KNOB. METAL. TAKES 3/16" SHAFT. #8089 NEW \$2.00

METAL SPIN KNOB 1 5/8" DIA. TO BE ATTACHED TO ANOTHER KNOB OR DISK BY THREE SCREW. CONVERTS KNOB TO SPIN KNOB. KNBNO11 \$.20

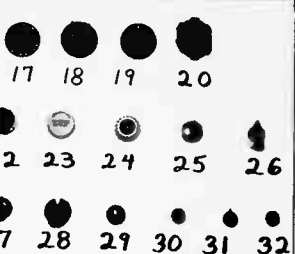
1 1/2" DIA. PLASTIC, FLUTED SPIN KNOB. TAKES 1/2" SHAFT. #0389 NEW \$1.25

1-1/8" DIA. PLASTIC FLUTED KNOB WITH LOCKING DEVICE. BRASS INSERT TAKES 5/16" SHAFT. #4692 NEW \$1.00

1-5/8" DIA. PLASTIC KNOB WITH 2 1/2" DIA. ALUMINUM SKIRT, CALIBRATED 0 TO 10. BRASS INSERT FOR 1/2" SHAFT. #9414 NEW \$1.50

1-1/8" DIA. FLUTED PLASTIC KNOB WITH 1 1/2" DIA. SKIRT. BRASS INSERT FOR 1/2" SHAFT. #9347 NEW \$.50

1" DIA. PLASTIC KNOB WITH 1 1/2" DIA. SKIRT. CALIBRATED ALPHABETICALLY A, B, ... Y, Z. SKIRT ALUMINUM. 1/2" HOLE. #5312 NEW \$.50



BAR TYPE KNOBS

BAR TYPE BAKELITE KNOB FOR 1/2" SHAFT. 1 1/2"x3"x5/8". SET SCREW TYPE. KNBNO12 \$.25

BAR TYPE BAKELITE KNOB FOR 1/2" SHAFT WHICH MUST BE TAPED FOR SET SCREW. 1 1/2"x3"x5/8". KNBNO13 \$.25

RECTANGULAR BAR TYPE BAKELITE KNOB 1 1/2"x3"x5/8". WITH BRASS INSERT FOR 1/2" SHAFT. SET SCREW TYPE. KNBNO14 \$.25

BAR TYPE BAKELITE KNOB WITH POINTER. FOR 3/4" SHAFT TAPED FOR SET SCREW. 2"x2"x2". KNBNO15 2/\$.25

BAR TYPE BAKELITE KNOB WITH POINTER. FOR 1/8" SHAFT TAPED FOR SET SCREW. 1 1/2"x5/8"x2". KNBNO16 \$.25

BAKELITE BAR TYPE KNOB 1"x3/4"x3/4" ON 1/2" REMOVABLE DIAL FOR 1/2" SHAFT. SET SCREW. KNBNO17 \$.25

1 1/2" DIA. METAL KNOB FOR 3/4" SHAFT WITH TWO SET SCREWS. FINGER GRIP KNOB FOR HEAVY SWITCHING APPLICATIONS. KNBNO18 2/\$.35

1 1/2" DIA. PLASTIC KNOB WITH BRASS INSERT. BAR TYPE FINGER GRIP FOR SWITCHING. USE WITH 3/4" SHAFT. KNBNO19 \$.25

1 1/2" BAKELITE KNOB FOR USE WITH 3/4" SHAFT. USED FOR APPLICATIONS WHERE EXTRA GRIP IS REQUIRED. 1 1/2" HIGH. KNBNO20 \$.25EA. 5/\$1.00

3/4" RIBBED KNOB 7/8" DEEP 1" SKIRT F/2" SHAFT DULL BLK. KNB7820 35¢

5/8"x3/4" SAME AS ABOVE BRIGHT BLK. KNB1261 20¢

BAKELITE INSTRUMENT KNOB 1" DIA. 1" HIGH. BRASS INSERT FOR 1/2" SHAFT AND SET SCREW. KNBNO22 \$.25

1 1/2" KNOB MARKED "INCREASED OUTPUT". 1/2" HOLE WITH SET SCREW. 3/4" THICK. METAL. KNBNO23 \$.25

1 1/2" PUSH-ON KNOB FOR 1/2" SHAFT. MODIFICATION, BROWN KNBNO24 2/\$.25

BROWN BAKELITE 1" DIA. KNOB KNURLED SHAFT OF 1/2". 3/4" HIGH. KNBNO25 2/\$.25

BAKELITE POINTER KNOB WITH BRASS INSERT FOR 1/2" SHAFT. 1 1/2"x1 1/2"x2". KNBNO26 \$.25

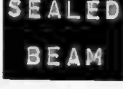
FLUTED KNOB W/ POINTER AND SKIRT FITS 1/2" SHAFT. 1 1/8" DIA. 3/4" THICK. KNBNO27 \$.25

1 1/2" DIA. KNOTCHED KNOB WITH BRASS INSERT FITS 1/2" SHAFT. SET SCREW TYPE. 3/4" HIGH. KNBNO28 3/\$.25

MINIATURE LAMPS

STK#	TYPE	A.	BASE	BULB	EA	PKG. 10
225950	LM-50	2	.25 MIN SC.	G-6	.20	.75
225950	511	2	.25 MIN SC.	G-6	.20	.75
68521	LM-21	110	40 MED SEC.	G-30	.50	4.00
(LM-21 P/O SIGNAL LAMP EQUIPMENT EE-80)						
6240-6594	LM-41	110	6W CAN SC.	#8	.20	1.50
225877-29		6.8	.25 CAN SC.	G-6	.20	.75
225878	43	2.5	.5 MIN BAY	T-3 1/2	.20	.75
8870-775		150	CAN SC.	686 CL	.20	1.00
225954	LM-54	105-125	LEADS	T-2	.20	.75
626812-5	LM-45	12-16	.6 CAN BAY	G-6	.20	.75
6240-7126		55	5W MED SC.	S-14	.25	2.00
DE EVRY494	(RED)	125	25W CAN SC.	T-6	.25	2.00
626812-5	LM-44	6-8	DC BAY	G-6	.20	.75
PC90615C		12	MIN SC	G-3 1/2	.20	.75
6240-3394	3S6/5	115	DC BAY	T-4 1/2	.25	1.75
	502	5	.15 MIN SC.		.20	.75
626812-6	STANDARD		12 VOLT FROSTED		.35	3.00
	PR-10	6				
	480	22	.55 MIN SC.	G-6	.30	2.00
225882	LM-30	18	.11 MIN SC.	T-3 1/2	.20	1.00
626827	LM-30	27	1 CAN BAY	T-8	.20	1.00
	ME-2		1/17 AMP 2F SLIDE BASE		.10	.75
	4C5491-K1		K1 SLIDE BASE		.10	.75

GE# 5F001 4 WATT FLUORESCENT LAMP, 5-3/8" LONG, TERMINAL TO TERMINAL \$1.25 EA. 24 FOR \$3.



GE #4550 28 VCLT 250 WATT, 7" DIAMETER, PRICE: \$3.00 EA.
 GE PAR 64/WFL 115 VOLT 500 WATT WIDE FLOOD LAMP, 8" DIAMETER \$6.50 EA.

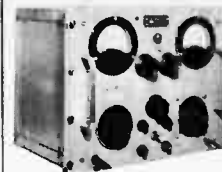
DYNAMOTOR TESTER



TS-414 DYNAMOTOR TESTER
THIS EQUIPMENT PROVIDES A MEANS OF TESTING DYNAMOTORS OF SEVERAL TYPES UNDER LOAD CONDITIONS. PROVISION IS MADE FOR THE MEASUREMENT OF INPUT VOLTAGE, INPUT CURRENT, OUTPUT VOLTAGE, OUTPUT CURRENT AND OUTPUT RIPPLE VOLTAGE OF BOTH SINGLE AND MULTIPLE OUTPUT DYNAMOTORS. METERS; INPUT D.C.V.; INPUT AC VOLTS RMS; DC OUTPUT CURRENT; DC OUTPUT VOLTS POWER REQUIRED: 14/28 VDC, 50 AMPS. \$35.00
SIZE: 27x21x17; WT. 100 LBS.



STARK TUBE CHECKER 9-66 OR DYNAMIC MUTUAL CONDUCTANCE TYPE DESIGNED TO PROVIDE EITHER REPLACE-GOOD READING OR MUTUAL CONDUCTANCE VALUE IN MICROMHMS OF VACUUM TUBE USED IN RECEIVERS & TRANSMITTERS, WITH PROVISIONS FOR LOCATING SHORTS & LEAKAGE BETWEEN ELEMENTS ALSO NOISE TEST. ROLLER TYPE CHART FOR TUBE SETTINGS. NEW CHARTS CAN BE OBTAINED FROM MFG. WHEN NECESSARY. USED REPARABLE \$50.00
SIZE: 18x17x8; WT: 45 LBS.



TS-730 SUMMATION BRIDGE WATTMETER USED TO MEASURE R.F. OUTPUT IN THE 1000 TO 4000 MC RANGE. EMPLOYS A DIRECT READING CIRCUIT IN WHICH A BOLOMETER ACTS AS ONE ARM OF A D.C. WHEATSTONE BRIDGE AT THE SAME TIME PROVIDING THE CORRECT RESISTIVITY TERMINATION FOR RADIO FREQ. POWER ENTERING THE WATTMETER. POWER INPUT 5 MW TO 5 WATTS. INPUT IMPEDANCE 50 OHMS. METERS 3" 0-50 RELATIVE POWER AND CENTER SCALE BALANCE. WITH TUBES 2/5651, 6AU6, 6AS7G & 5Y3GT. POWER REQ. 115 V. 50-1600 CYCLE.
SIZE: 13x14x11; WT: 19 LBS.
PRICES: LESS ATTENUATOR KIT BUT AS ILLUSTRATED LESS CARRING CASE \$14.95 WITH ATTENUATOR KIT AND CARRING CASE 35.00

COMPUTER



B-29 COMPUTER TESTER USED TO CHECK THE FIRE CONTROL SYS. THIS UNIT CONTAINS A VOLT-OHM METER WITH ONE OHM RANGE 300 OHM CENTER SCALE, AC; 3, 30, 150, 300. OC: 3, 30, 150. MILLIAMPMETER 2.5MA AND 25 MA. 2/2J1F1 400CYC SELSYN 1/2J1H1 SELSYN 400CYCLE WHICH WILL OPERATE ON 36V 60CYC. 11/WAFER SWITCHES 6/POTENTIOMETERS, 8/TOGGLE SWITCHES, 1/FIVE PUSHBUTTON SWITCH, PLUS OTHER PARTS ALL IN A 19x12x16 1/2 IN LUGGAGE STYLE CASE WITH 4 FIVE FOOT CABLES AND CONNECTORS. SH. WT. 50 LBS. PRICE LIKE NEW \$22.50



AN/PMQ-3A WIND MEASURING SET: GIVES VISUAL INDICATIONS OF WIND DIRECTION THROUGH 360 DEG. AND OF WIND SPEED FROM 0 TO 60 KNOTS. THIS IS A LIGHTWEIGHT HANDHELD UNIT. THE WIND TURBINE IN THE WIND SPEED TRANSMITTER DRIVES A A.C. GENERATOR WHICH GIVES A READING ON THE 2 1/2" VOLTMETER IN KNOTS. THE ANEMOMETER WIND VANE HAS A POINTER & INDEX WHICH INDICATES WIND DIRECTION IN A CIRCULAR DIAL AND IS EQUIPPED WITH A VANE LOCKING DEVICE SO THE READING MAY BE RETAINED FOR REFERENCE.
SIZE: 19x10x6 1/2 WT: NET 10 1/2 LBS
SHIPPED IN STEEL CARRING CASE 22x11 1/2x8, 20"
PRICE: USED \$45.00 MANUAL ONLY \$5.00 ML-447 WIND TAIL VANE ONLY.....\$5.00



TS-35/AP SIGNAL GENERATOR USED FOR THE TESTING AND GENERAL MAINTENANCE OF RADAR EQUIP. PRODUCES SIGNALS, CW OR PULSED INTERNALLY OR EXTERNALLY SYNCHRONIZED, OF KNOWN FREQUENCY AND POWER. USED TO MEASURE THE FREQUENCY AND AVERAGE POWER OF RADAR TRANSMITTER SIGNALS, AND TO PRODUCE FM SIGNAL FOR DETECTION OF DEFECTS IN RADAR EQUIP. WILL MEASURE SIGNAL TO NOISE RATIO, TRANSMIT RECOVERY TIME, FREQUENCY PULLING, AFC OPERATION AND BANDWIDTH. FREQUENCY RANGE: 8700-9500 MC. POWER SUPPLY 115V±10% 50-1200CYCLES
SIZE: 9x9x14, WT: 35 LBS.
PRICE: USED, \$39.95

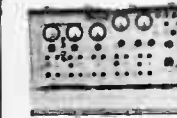
FR-72 TUNED CAVITY



PORTABLE RINGING CAVITY USED FOR TESTING THE OVERALL PERFORMANCE OF RADAR EQUIPMENT SUCH AS POWER OUTPUT & FREQUENCY SPECTRUM. THE ECHO BOX CONTAINS A PRECISE-DIMENSIONED, SILVER-PLATED RESONANT CAVITY THAT OPERATES AS A SHARPLY TUNED CIRCUIT IN WHICH INDUCTANCE AND CAPACITANCE ARE TUNED TO RESONANCE AT THE FREQUENCY MEASURED. FREQ. RANGE 8500 TO 9000 MEGAHERTZ. A 3 1/2" RD. 0-30 MICROAMMETER IS USED TO INDICATE PART OF THE STORED ENERGY. POWER IS OBTAINED FROM THE UNIT UNDER TEST. SUPPLIED WITH IN-23B CRYSTAL DIODE, UG-44E/U ADAPTER AND 8 FOOT COAXIAL CABLE.
SIZE: 16x26x14 WT: 45 LBS. UNUSED \$19.95



MA-1 RANGE SERVO TEST SET USED FOR TESTING AND TROUBLE SHOOTING AIR FORCE TYPE "A" SERIES RANGE SERVOS. SPECIFICALLY, TEST PROVIDES MEANS OF MEASURING THE VARIOUS OPERATING VOLTAGES OF THE RANGE SERVO UNDER TEST AND LOCALIZING THE TROUBLE WITHIN A RADAR GUNSIGHT SYSTEM. CONTAINS 3" 50 MICROAMMETER WITH 0-60 0-150 SCALES IN RED FOR ACV & 0-50/500 VDC SCALE IN BLK. SELECTOR SWITCHES, INDICATOR LIGHTS AND FOUR GORN CONNECTORS 12M & 12F WHICH ARE MALE & FEMALE 12 CONTACT ALSO CABLE WITH MATCHING DETACHABLE PLUGS.
SIZE: 10 1/2x10x7 1/2 IN ALUMINUM CASE. WT: 18 LBS.
PRICE: RE-NEW \$15.00



PP-351/U POWER SUPPLY; PORTABLE POWER UNIT PROVIDING REGULATED DC POWER FOR TESTING COMMUNICATION EQUIP. AN/PRC-6, 8, 9 & 10; SCR-510 & 610; AND RECEIVER-TRANSMITTER BC-1000.
INPUT: 115/230V. 2.6/1.3 AMPS, 50/60 CYCLES
OUTPUT, A1: .9 TO 1.8 VDC @ 0 TO 1.5 AMPS
A2: .9 TO 1.8 VDC @ 0 TO 1 AMP
AND 2.5 TO 8.6 VDC @ 0 TO 1 AMP.
B1 & B2: 22.5 TO 150 VDC @ 0 TO 100 MA.
C1: 0 TO 22.5 VDC @ 0 TO 1 MA.
INCLD. INPUT CABLE AND OUTPUT CABLES FOR PRC-6; PRC-8, 9, 10; SCR-510, 610; AND BC-1000
SIZE: 25x11 1/2x14; WT: 150 LBS. USED \$49.50



TS-62 ECHO BOX & CAVITY PORTABLE SELF-CONTAINED MANUALLY TUNED TEST SET USED FOR CHECKING RADAR EQUIPMENT IN THE 9320-9420 MHZ RANGE. IT WILL DETERMINE THE FREQ. OF CW, MCW OR PULSED SIGNALS, MEASURE THE RELATIVE OUTPUT ON 0-20 3/4" MICROAMMETER, DETECT DOUBLE MODING OF MAGNETONS AND GIVES SIGNAL-TO-NOISE RATIO OF REC. ANTENNA PICK-UP ASSY. WITH CABLE PROVIDED.
SIZE: 6 1/2x18x11 1/2; WT: 15 LBS. USED \$9.95



TS-13 SIGNAL GENERATOR 9305 TO 9445 MC. PER SEC. WITH CALIBRATED ATTENUATOR, WAVEMETER AND A THERMISTOR MEASURING POWER CIRCUIT. SIG. OUTPUT CW, FM, PULSED CARRIER. RECEPTION CW & PULSED CARRIER. PO 50 MICRO WATTS. OUT. IMP. 50 OHMS WITH TUBES 3/6SN7, 2/6AC7, 1/6Y6, 1/723AB(2K25)1/5U4G, 3/0C3/VR-105. POWER REQUIRED 115V 60 CYCLE. (WRITE FOR MORE INFORM.)
SIZE: 11 1/2x21x10; WT: 75 LBS. PRICE: USED \$25.

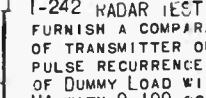


BALLANTINE 310A VTVM WIDE RANGE, MEASURES FROM 1MV-100 V FULL SCALE AT 10 HZ TO 2M HZ. ACCURACY IS -3% OF READING FROM 15 HZ TO 1 MHZ. \$65.00

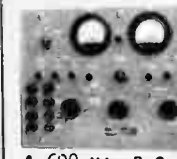
1-61 TEST SET FOR TRANSMISSION MEASURING



PORTABLE BATTERY OPERATED UNIT USED TO MEASURE LOSS ES OR GAINS IN CIRCUITS OR APPARATUS. AUDIO OSCILLATOR FREQUENCIES OF 500, 1000 AND 2500 CYCLES WITH LEVELS OF -40DBM, -20 DBM OR 0 DBM INTO A 600 OHM LOAD, THE RECEIVING AMPLIFIER IS CALIBRATED TO MEASURE LEVELS FROM A 600 OHM SOURCE BETWEEN -50 DBM & 15 DBM IN STEPS OF 0.5 DBM OVER THE FREQUENCY RANGE OF 100 TO 10,000 CYC THE 0 DBM IS ONE MILLIWATT IN 600 OHMS.
UNIT ALSO CONTAINS A EE-88 FIELD TELEPHONE, BATTERY OPERATED ASSY. WITH A TS-9 HANDSET. AND BE PURCHASED WITHOUT THIS ASSEMBLY. COMES IN WOOD CARRING CASE 18 1/2x10 1/2x11, WT: 47LB
PRICE, COMPLETE WITH TELEPHONE ASSY & TS-9 USED \$29.95 RE-NEW \$39.50
LESS TEL. ASSY " 19.95 " " 29.50



R-425B/ARW-59 RECEIVER USED IN PILOT LESS AIR CRAFT IN THE 405 - 420 MC. F.M. BAND, 15 CHANNELS WITH A RESONANT AUDIO TONE OUTPUT IN THE FREQ. RANGE OF 7.5 TO 22.17 K.C. SENSITIVITY 5 MICROVOLTS WITH TUBES 8/5840, 5/5702, 6/5718, 2/5547, 1/5639 ALSO 2 CRYSTALS, 24 VDC BLOWER AND DYN. 24 VDC 2.3 A. OUTPUT 128 V. 205 MA.
SIZE: 8x8x6; WT: 10 LBS. USED \$14.95



1-199 TEST SET DYNAMOTOR & HAND GENERATOR TESTER USED TO CHECK EQUIPMENT UNDER LOAD CONDITIONS. INPUT VOLTAGE READINGS 0-60 VOLTS DC & 60 AMPS. D.C. OUTPUT VOLTAGES 0-1200 VOLTS D.C. & 600 MA. D.C. ALSO PERCENTAGE OF RIPPLE IN THE INPUT & OUTPUT, ALL SHOWN ON 3" RD. METERS ALSO CONTROLS FOR VARYING VOLTAGE & CURRENT UNDER LOAD. SIZE: 18 1/2x11 1/2; WT: 40 LBS.
PRICE: USED \$29.50 NEW \$39.50



TS-238/TS-207 ECHO BOX WITH 3" RD. 0-200 MICROAMMETER AND CRYSTAL ADAPTER FOR RF ENERGY. ECHO BOX IS A RESONANT-CAVITY DEVICE DESIGNED TO SIMPLIFY THE TUNING AND CHECKING OF RADAR BY PROVIDING AN ARTIFICIAL OR "PHANTOM" TARGET WHICH MAY BE USED IN TUNING THE RECEIVER TO THE TRANSMITTER IF NO REAL TARGETS ARE AVAILABLE. PROVIDES A CLEAR, STEADY ECHO OF KNOWN CHARACTERISTICS WHEN SUCH AN ECHO IS NOT OBTAINABLE FROM NEARBY GROUND TARGETS. REQUIRES UG-21 COAX. CONN. 11x15x7 1/2 15 LBS. \$15.00 UG-21 COAXIAL CONNECTOR FOR ABOVE UNIT 75¢.



DESICCATOR PUMP TEST FIXTURE: CONSISTS OF AIR FLO-SCOPE INDICATOR WITH 4" MAGNETIC METER 0-8 INCHES OF WATER AND PRESSURE CONTROL VALVE ALSO TWO 3" SQUARE METERS 0-50 VDC 500 OHMS PER VOLT AND 0-5 AMMETER, RHEOSTAT, SWITCH, PILOT LIGHT, ETC. UNIT IS HOUSED IN METAL CARRING CASE, 21x13x6; WT: 25 LBS.
PRICE: USED \$14.95

MD-34/ARA-8 MODULATOR KEYING UNIT



AUTOMATIC HOMING KEYING ASSY. THAT OPERATES FROM 24 VDC MOTOR THAT IS CONNECTED TO A WORM GEAR WHICH ACTUATES THE CODED WHEEL THAT INTERRUPTS THE SIGNAL AND TRANSFERS FROM ONE ANTENNA TO ANOTHER. ALSO HAS RELAY AND THREE SO-239 TYPE COAX. CONN. CAN BE USED AS A REMOTE ANTENNA CHANGE-OVER. SIZE: 3 1/2x10x4 1/2; WT: 5 LBS.
PRICE: USED.....\$1.95



1-129 FREQUENCY METER ABSORPTION TYPE; DESIGNED TO MEASURE RADIO FREQUENCY FROM 1.5 TO 41 MC. CONSISTS OF FOUR FREQUENCY INDICATING ASSEMBLIES, THAT CONSISTS OF A COIL VAR. CAPACITOR AND DIAL, AND IS USED TO INDICATE THE FUNDAMENTAL FREQ. OF AN R.F. SOURCE. IT MAY ALSO BE USED TO DETERMINE THE ORDER OF A HARMONIC CRYSTAL OSCILLATOR, FREQ. DOUBLER OR QUADRUPLER. THE RANGES ARE 1.5-4 MC, 4-11 MC, 10-20 MC & 19-40 MC. NO VOLTAGE IS REQUIRED FOR OPERATION. CARRING CASE SIZE: 12 1/2x5 1/2x3; WT: 8LBS. U \$25.00

AN/FGC-5 TELEGRAPH

CV-94/FGC-5 TELEGRAPH CODE CONVERTER, RECEIVING GROUP ACCEPTS THE SIGNAL CODE COMBINATION, MOMENTARILY STORES AND GENERATES THE PROPER SIGNAL TO BE SENT ON TO THE START-STOP CIRCUIT, INCLUDES 6 INPUT SIGNAL LAMPS, MONITOR SELECTOR, OUTPUT JACKS FOR MONITOR SCOPE TRIGGER AND PRINTER, 3 1/2" METER 100-0-100 MA DC W/TUBES 9/12AU7, 3/12AT7 & 13/5663 & MERCURY RELAY. RACK MTG. 19x7x13; WT: 22 LBS. USED \$14.95

0-100/FGC-5 SIGNAL DISTRIBUTION DRIVE RECEIVING SUPPLIES DRIVING IMPULSES TO SIGNAL DISTRIBUTOR RECEIVING SECTION WHICH ARE CRYSTAL CONTROLLED FREQ. OF APPROX. 101.25 KC. W/ START-STOP INTERVAL, FOUR CHANNEL SELECTOR & 3 1/2" CORRECTION METER 5-0-5 0-1 MA MOVEMENT W/TUBES 12/12SN7 & 2/6SJ7 USED \$14.95

C-621/FGC-5 CONTROL MONITOR RECEIVING GROUP DECOUPLES AND AMPLIFIES SIGNAL WITH PROVISION FOR MONITORING W/SPEAKER & 3 1/2" METERS 0-100 MA DC. & 0-1 MA MOVEMENT & SCALE 0-200 FOR READING MULTIPLEX DRIVE AND WPM. W/TUBES 8/6SN7, 1/6SL7, 2/6V6 & 1/2B23. REQUIRES 225 VDC AND 6.3 VAC. USED \$17.95

TT-64/FGC-5 RECEIVING SIGNAL DISTRIBUTOR ACCEPTS THE AMPLIFIED MULTIPLEX SIGNAL FROM THE CONTROL MONITOR, DETECTS THE PATTERN, INVERTS TO NORMAL AND SENDS PROPER CODE COMBINATIONS TO CONVERTERS. W/TUBES 12/12AU7, 4/12AT7, 10/5663, 2 PUSH SWITCHES FOR IMPULSE & CHANNEL PHASING & MONITOR SELECTOR. RACK MTG. 19x7x13; 22LBS, USED \$12.95

CV-81/FGC-5 TELEGRAPH CODE CONVERTER TRANS. CIRCUITS FOR ACCEPTING & DETECTING START-STOP SIGNALS FROM 1 CIRCUIT STORING THE FIVE ELEMENT CODE COMBINATIONS AND TRANSFERRING THE STORED SIGNALS TO POSITIONS ARE USED BY THE TRANS. SIG. DIST. IN THE MULTI. CIR. WESTON 301 DC MA, 100-0-100, 30 TUBES, 19/5663, 5/12AT7, 5/12AU7 & 1/3B23. VOLTAGE REQ. 6.3 VAC. 115 & 225 VDC. SIZE: 19x7x13; WT: 23 LBS. USED \$14.95

0-101/FGC-5 SIGNAL DISTRIBUTOR DRIVE TRANSMITTER GROUP SUPPLIES TIMED DRIVING IMPULSES TO THE TRANSMITTER DISTRIBUTOR, CRYSTAL OSCILLATOR 101.25 KC IN OVEN, AMPLIFIER CIRCUIT USES TUBES 6/6SN7, 1/6SJ7; 7 POSITION SWITCH FOR FREQ. & FAC. SEL. VOLT. REQ. 6.3 AC.-115 & 225 VDC. 19x7x13; 15 LBS. USED \$9.95

C-620/FGC-5 CONTROL MONITORING TRANS. GROUP AMPLIFIES SIGNALS FROM TRANS. SIG. DIST., COUPLES OUTPUT TO MULTIPLEX TRANS. CIR. NECESSARY CONTROL SWITCHES & LIGHTS TO DO THIS. ALSO WESTON METERS 301, 3 1/2" 0-100 MA DC. AND MULTIPLEX DRIVE FREQ. METER CALB. CYC. PER SEC. 60 & 75 WPM. 0-1 MA DC. BASIC. FS. W/TUBES 5/6SN7, 2/6V6, VOLTAGE REQ. 6.3 VAC, 115 VDC & 225 VDC. W/SCHEMATIC. 19x7x13; WT: 23 LBS. USED \$17.95

TT-58/FGC-5 TRANSMITTER SIGNAL DISTRIBUTOR CONTAINS CIRCUITS WHICH FORM THE MULTIPLEX TELEGRAPH SIGNAL, THE PATTERN BEING DETERMINED BY THE CODE SIGNALS SET UP IN THE PARTICULAR TEL. CODE CONVERTERS IN USE. IT CONTAINS A CRYSTAL OSCILLATOR, SUBDIVIDED, AMP. CIR., IND. LAMP AND SW. TO CONNECT CONTROL MONITOR FOR OSCILLOSCOPE VIEWING. WITH TUBES 19/12AT7 & 10/5663. VOLTAGES REQ. 6.3 VAC., 115 & 225 VDC. 19x7x13; WT: 15 LBS. USED \$14.95

CONNECTOR PLUGS FOR THE ABOVE \$1.50 EA.

DUMONT 304 SCOPES



DUMONT 304 OSCILLOSCOPE, A GENERAL PURPOSE SCOPE THAT ENABLES RAPID, ACCURATE AMPLITUDE MEASUREMENT OF ANY PORTION OF A 0 TO 1000 VOLT SIGNAL FROM DC TO 100 KHZ, USEFUL TO ABOVE 300 KHZ. FEATURES LARGE 5ADP TYPE CATHODE RAY TUBE AND 100 MILLIVOLT FULL SCALE VERTICAL SENSITIVITY. SWEEP FREQUENCY RANGE FROM 2 TO 30,000 HZ. EXTRA-LOW FREQUENCIES POSSIBLE BY ATTACHING EXTERNAL CAPACITANCE TO TERMINALS. MAXIMUM SWEEP SPEED WITH SWEEP EXPANSION IS ONE INCH PER MICROSECOND. INPUT IMPEDANCE: 2 MEGOHMS PARALLELED BY 50 UUF. POWER REQUIRED: 115/230 VAC 50-400 HZ. 9x13 1/2x19 WT: 65 LBS. DUMONT 304-A OR 304-AR (RACKMOUNT) USED, REPARABLE \$45.00 USED, CHECKED \$60.00 DUMONT 304-H, SAME AS 304-A EXCEPT W/5CP SERIES CRT, REPARABLE \$50. CHECKED \$65.00.

OS-8 OSCILLOSCOPE



OS-8 OSCILLOSCOPE WITH 3RP1 C.R. TUBE. PORTABLE GENERAL PURPOSE TEST SET DESIGNED TO DISPLAY, METER AND PLOT THE CHARACTERISTICS OF A VARYING ELECTRICAL POTENTIALS. FREQ. RANGE: VERTICAL AMP. 0-1000 CYC DC INPUT, 30 CYC TO 2 MC AC IN. HORIZ. AMP. 0 TO 1000 CYC DC INPUT, 25 TO 100K CYC AC INPUT, SWEEP CIR OSC. 3 TO 50K CYC. INPUT IMP. AC 1.5 MEGOHM, DC 2.0 MEGOHM, HORIZ. AMP. 1 MEGOHM, DEF. SENSITIVITY VERT. 0.1 V. RMS HOR. 0.1 V RMS FOR 1 IN. PK TO PK. VERT. DIR. DEF. 48 V PER IN. HORIZ. DIR. DEF. 67 V. PER IN. POWER REQUIRED, 104 TO 126 VOLTS 50-1000 CYCL SIZE: 9 1/2x6x15 1/2; WT: 20 LBS PRICE: USED REPARABLE \$39.50 CHECKED \$49.50

SCOPE ACCESSORY

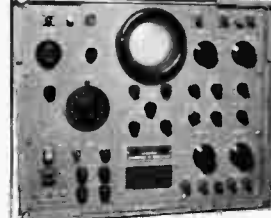


TS 433 U SQUARE WAVE GENERATOR GENERAL AMPLIFIER AND ELECTRONIC SWITCH. THE ELECTRONIC SWITCH MAKES POSSIBLE THE SIMULTANEOUS OBSERVATION OF TWO RECURRENT PATTERNS ON THE SCREEN OF A CATHODE RAY OSCILLOSCOPE BY PROVIDING 2 INDEPENDENT TIME BASES. DIRECT COMPARISONS OF AMPLITUDES, WAVEFORMS, FREQUENCIES AND PHASE RELATIONSHIPS MAY BE OBSERVED... A SQUARE WAVE VOLTAGE OF VARIABLE FREQ. AND AMPLITUDE IS AVAILABLE AT THE OUTPUT TERMINALS FOR USE AS A TEST SIGNAL IN STUDING THE TRANSMISSION CHARACTERISTICS OF VACUUM TUBE AMPLIFIERS OR OTHER CIRCUITS... DIRECT COUPLED AMPLIFIERS ARE DESIGNED FOR "CHOPPING" A DC SIGNAL MAKING IT SUITABLE FOR TRANSMISSION THROUGH THE AC AMPLIFIERS WHICH USUALLY ARE FOUND IN OSCILLOSCOPES. SWITCHING RATE CONT. VAR. 10 TO 2000 TPS... Sq. W. GEN. CONT. VAR. 10-500 CPS. AMPL. CONT. VAR. TO AT LEAST 30 V. P TO P... SIG. AMPL. FREQ. RESP. UNIFORM 0 TO 5000 CPS. INPUT IMP. 100,000 OHMS, OUTPUT IMP. 50,000. POWER REQ. 115/230 V. 50/60 CYCLE. SIZE: 15x13 1/2x18 WT: 20 LBS. PRICE: USED COMPLETE, NOT CHECKED \$24.95



I-152(*) INDICATOR; USED WITH BC-788 ALTIMETER FOR INDICATING HEIGHT OVER TERRAIN IN AIRCRAFT WITH 3DP1 CATHODE RAY TUBE (SAME SOCKET/SHIELD AS 3RP1 TUBE AND OTHER TYPES) ALSO TUBES 3/6AG5 AND 2X2. HAS R.F. CIRCUIT, POTENTIOMETERS, 115 V. 400 CYCLE POWER SUPPLY ETC. (WILL MAKE GOOD FOUNDATION FOR A MONITOR) SIZE: 6 1/2x6 1/2x12; WT: 9 LBS. PRICE: USED \$8.95 SCHEMATIC \$1.00

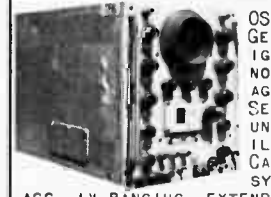
OSCILLOSCOPES



USM-24 OSCILLOSCOPE WITH 3UP1 C.R. TUBE. SINE WAVE RESPONSE, FLAT WITHIN -3DB FROM 2 CYC TO 8 MC. TRANSIENTS RESPONSE .04 MIC ROSEC. RISE, POLARITY POSITIVE UPWARD AND NEGATIVE DOWNWARD DEFLECTION, RECURRENT SWEEP 8CYC PER. SEC. TO 600 KC., TRIGGERED SWEEP 1.25 TO 125 MICRSEC., VERT. DEF. SENSITIVITY .035, HORIZ. DEFLEC. 4.0V, HORIZ. RESPONSE .5 CYC PER SEC. TO 700 KC. VERT. RESPONSE 4 CYC PS. TO 10MC. BEAM MOD. RESPONSE 50 CYC PS. TO 10 MC, HORIZ. INPUT IMP. 300,000 OHMS, BEAM MOD. INPUT RESISTANCE. 56,000 OHMS SIGNAL AMPLIFICATION IS UNIFORM OVER A WIDE FREQ. RANGE. A CALIBRATING GENERATOR FOR ACCURATE MEASURE. OF INSTANT. VALUES OF SIGNAL, WITH CHOICE OF 5 TIME MARKERS. ALL OPERATING CONTROLS AND CONN. ARE ON THE FRONT PANEL. INPUT AND OUTPUT CONNECTIONS USE RCN CONNECTORS. POWER REQUIRED 115 VOLT 50 TO 1600 CYC. SIZE: 15x17 1/2x16; WT: 55 LBS. SHPG. WT: 65 LBS. SOLD AS "COMPLETE, NOT CHECKED WITHOUT GUARANTEE TO THE LIFE OF THE POWER TRANSFORMER. PROBES AND OTHER ACCESSORIES EXTRA." PRICE: OS-26/USM-24 "AS-IS" \$39.50 OS-51/USM-24C "AS-IS" \$49.50 PROBES: CG-883, 10:1 ATTENUATOR \$5.00 EA CG-944 OR CG-1277C CATHODE FOLLOWER \$5.00 EA ADAPTERS UG-924, -255, -274, -273 \$1.00 EA



WECO GS-56928 SCOPE: USED FOR MONITORING AND TESTING CIRCUITS WITH 2BP1 CATHODE RAY TUBE ALSO 2/5814 1/6AG7 AND 1/5670. CARRIER LEVEL METER 1 1/2" 0-3 DCMA, BCN COAX. CONNECTORS AND NECESSARY CONTROLS FOR SCOPE. ALSO MTI CIRCUIT TEST SWITCH 11 POS. 5 DECK. (SORRY NO COVER OR SCHEMATIC) FACE SIZE 6x8 1/2 LENGTH 13; WT: 10 LBS. PRICE: UNUSED \$14.95



OS-4/USM-25 OSCILLOSCOPE GENERAL PURPOSE UNIT DESIGNED TO PORTRAY A LUMINOUS PLOT OF VOLTAGE AGAINST A TIME BASE. SERVES AS A AUX. RANGING UNIT, PRECISION TEST OSCILLOSCOPE AND CALIBRATOR CAN BE USED WITH RADAR SYSTEMS TO INCREASE THE ACC. IV RANGING, EXTEND THE RANGE SCALE AND PROVIDE ACC. CRYSTAL CONTROL MARKERS ALSO EXPANDED, DELAYED OR UNDELAYED SWEEPS. VIDEO AMP. SENS. MIN. .5 V PK-PK W/CRY. PROBE 5.0 V. DIR. TO VERT. DEF. 43 TO 52 VOLTS. FREQ. RESPONSE AMPL. 1 DB 50 CPS AND 5 MCPS PULSE RESPONSE RISE TIME LESS THAN .1 MICSEC. DELAY TIME, LESS THAN .2 MICROSEC., INPUT IMPEDANCE AMPL. 1 MEGOHM, SYNCHRONIZING CRYSTAL CONTROL MARKERS 10 MICROSEC. AND 50 MICRO SEC. INTERNAL IMP. 56 OHMS. SIGNAL DELAY TIME .60 SEC. WITH TUBES 3RP1 CR AND 22 OTHER TUBES. POWER REQ. 115 V. 50 TO 1000 CYCLES. SIZE: 11 1/2x17 1/2x9; WT: 40 LBS. PRICE: USED REPARABLE \$39.50 CHECKED \$55.00

OSCILLOSCOPE



TDMS-6EB-R.2B OSCILLOSCOPE USED WITH TELETYPE SYSTEM AS A RECEIVE UNIT, HAS A 3RP1 CATHODE RAY TUBE WITH CONTROLS FOR FOCUS, INTENSITY, AMPLITUDE, MODULATION RATE (RANGE AND VERNIER), AND UNIT CODE. ALSO SIGNAL, DISPLAY, AND TWO BALANCE CONTROLS. WITH SPIRAL-CIRCULAR TIME BASE SWITCH AND INPUT SWITCH. INDICATOR LIGHTS FOR SPEED AND POWER. NEEDS EXTERNAL POWER SUPPLY; VOLTAGES NOT KNOWN. WITH TUBES 3RP1, 9/12AU7, 3/12AX7, 2/12AT7. SIZE: 5 1/2x10 1/2x15 WT: 15 LBS PRICE: USED \$18.95

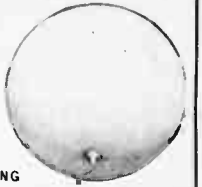


TS-497B/UFR SIGNAL GENERATOR, 2 to 400 MHz. IN SIX BANDS. DESIGN ACCURACY $\pm 1.5\%$. OUTPUT VOLTAGE CONTINUOUSLY TUNEABLE FROM 0.1 TO 100,000 MICROVOLTS. GENERATES EITHER AM OR PULSED CARRIER. INTERNAL MODULATION 400 OR 1000 HZ; EXTERNAL MODULATION 50 TO 10,000 HZ. PERCENT MODULATION VARIABLE FROM 0 TO 30 PERCENT. OUTPUT IMPEDANCE 50 OHMS. POWER REQUIRED: 115 VAC 50/60 HZ. INCLUDES MANUAL, CABLES, FIXED ATTENUATOR AND SPARE PARTS. SIZE: $9\frac{1}{2} \times 19\frac{1}{2} \times 10\frac{1}{2}$ SHPG. WT: 65 LBS. PRICE: UNUSED, COMPLETE \$350.00



GRAB BOX ASSORTMENT OF NEW & USED USEABLE ELECTRONIC ITEMS CONSISTS OF PARTS AND ASSEMBLIES SUCH AS RESISTORS, CONDENSERS, MOTORS, TRANSFORMERS, CHOKES, COILS, CONTROL BOXES, CIRCUIT BOARDS, CHASSIS AND MANY OTHER ITEMS TOO NUMEROUS TO MENTION. PACKED IN A CARTON AND THE WEIGHT WILL BE AT LEAST 50 LBS. (A GOOD FILLER WHEN YOU ARE BUYING OTHER MATERIAL AND YOU DO NOT HAVE ENOUGH WEIGHT TO MAKE THE MINIMUM MOTOR FREIGHT CHARGE.) # GB-71 50 LB BOX \$5.00 -- 100 LBS. \$9.00

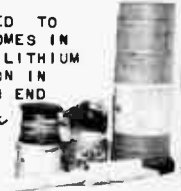
M-27B BALLOON; USED TO RAISE THE ANTENNA OF THE CRT-3 RESCUE TRANSMITTER WHEN LACK OF WIND DOES NOT PERMIT THE USE OF THE M-357 KITE. THE BALLOON IS MADE OF NEOPRENE AND IS SUPPLIED IN A CAN WITH A KEY FOR OPENING. WHEN INFLATED BY MEANS OF THE HYDROGEN GENERATOR AND INFLATING TUBE, DESCRIBED BELOW, THE DIAMETER WILL BE OVER 4 FEET. HAS 2 CORD LOOPS FOR ATTACHING ANTENNA AND RUBBER CORK STOPPER. SHPG. WT: 2 LBS. PRICE: \$4.95



M-27B BALLOON WITH M-315 HYDROGEN GENERATOR AND INFLATING TUBE.....\$10.00

M-315 HYDROGEN GENERATOR; USED TO INFLATE THE M-27B BALLOON. COMES IN A STEEL CYLINDER FILLED WITH LITHIUM HYDRIDE; OPERATED BY IMMERSION IN WATER; KEY AND TONGUE ON EACH END FOR OPENING CYLINDER. REQUIRES INFLATING TUBE FOR USE WITH BALLOON. SHPG. WT: 8 LBS.

PARRACHUTE



M-315 HYDROGEN GENERATOR ONLY..... \$6.95
M-315 " " INFLATING TUBE 1.50
W-147/CRT-3 ANTENNA WIRE; CADMIUM-COPPER ALLOY 16 STRANDS X .040 MAX. DIA. 65 LB. TEST 306 FT. LG. WOUND ON SPOOL 2 1/2" X 2 1/2". SHPG. WT: 1 LB \$2.95

M-306 SIGNAL LAMP LIGHT ASSEMBLY; 24 VOLT LAMP IN BAKELITE BASE WITH CLEAR POLYSTYRENE SHIELD WITH WEB STRAPS FOR STRAPPING TO HEAD. SIZE $3 \times 2\frac{1}{2} \times 9/16$ " CORD FOR PLUGGING INTO TRANS. 4 oz. \$1.50

M-390 PARACHUTE; YELLOW NYLON 12 FT. DIAMETER, 40 LB. CAPACITY, 16 NYLON SHROUDS 11 FT. LG. USED TO DROP RESCUE TRANSMITTER AND ACCESSORIES. UNUSED. NOT IN DROP PACK. SHPG. WT: 2 \$9.95

T-74/CRT-3 TRANSMITTER WITH ACCESSORIES \$75

GENERAL RADIC MODEL 1800-A VACUUM-TUBE VOLTMETER

A PORTABLE AND ACCURATE VTVM CAPABLE OF MEASURING ALTERNATING VOLTAGE AT FREQUENCIES UP TO SEVERAL HUNDRED MEGAHERTZ, AS WELL AS DC VOLTAGES OF EITHER POLARITY. DESIGN ACCURACY OF $\pm 2\%$. INCLUDED WITH THE UNIT IS A HIGH FREQUENCY PROBE SHIELDED AGAINST STRONG RF FIELDS. **VOLTAGE RANGES:** 0.1 to 150 VAC IN SIX SCALES: 0.5, 1.5, 5, 15, 50 AND 150. AND 0.01 to 150 VDC IN SIX SCALES: 0.5, 1.5, 5, 15, 50 AND 150. **INPUT IMPEDANCE:** AC CIRCUIT 25 MEGOHMS SHUNTED BY 4.3 UUF. CAPACITANCE; EQUIVALENT PARALLEL CAP. AT RF IS 3.1 UUF. WITH A RESONANT FREQUENCY OF 1050 MHZ. DC IMPEDANCE IS 10 MEGOHMS AND OPEN GRID. WITH TUBES 2/9003, 2/991, 6C4, 6X5, 6AT6, 6SL7, 6SU7 AND 3-4. LESS POWER CABLE (USES STANDARD AC PLUG). POWER REQUIRED: 115/230 VAC 50/60 HZ. WALNUT CASE. $7\frac{1}{2} \times 7\frac{1}{2} \times 11\frac{1}{2}$ 16 LB PRICE: USED REPARABLE \$30.00 CHECKED \$40.00



FSK CONVERTER

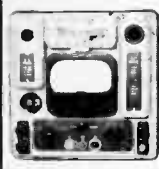
CV-278 FREQUENCY SHIFT CONVERTER USED TO CONVERT FREQUENCY SHIFT SIGNALS TO NEUTRAL OR POLAR MARKING OR DC IMPULSES. THE FREQ. SHIFT-KEYED (FSK) SIGNALS ARE RECEIVED FROM THE I.F. OF THE RECEIVER WITH A RANGE OF 450 TO 500 KC AND ARE CONVERTED TO DC IMPULSES AND USED FOR OPERATION OF TELETYPEWRITER OR REPERFORATOR MACHINES. CRYSTAL CONTROL BAND WIDTH 1500 CPS. WITH TUBES 2/26A6, 1/26A7, DIODES 1/1N63, 2/1N69. VOLTAGE REG. 28 VDC @ 2.0 AMPS. SIG. INPUT METER 0-100 & DISC. 50-0-50 1-3/4" MICROAMP. SIZE: $9\frac{1}{2} \times 13\frac{1}{2} \times 7\frac{1}{2}$; WT: 23 LBS. USED \$24.50 - CONNECTOR PLUGS FOR INPUT OR OUTPUT \$2.00



MD-203/GR MODULATOR FOR TRANS MITTER. PROVIDES FOR CONVERSION OF CW SIGNALS INTO FREQ. SHIFTED RADIOTELETYPE SIGNALS BY INTRODUCING SELECTABLE AMTS. OF FREQ. SHIFT INTO THE EXCITER CIRCUIT OF THE TRANS. SHIFT MAGNITUDE 850, 425, 212 OR 106 CYCLE SEL. MANUALLY FROM FRONT PANEL. DESIGNED FOR USE WITH T-195/GRC 19 TRANS. CAN BE USED WITH ANY TRANSMITT. HAVING AN EXCITER OUTPUT WITH A FUNDAMENTAL FREQ. RANGE OF 1.5 TO 3 MC. AND A MINIMUM OUTPUT OF 1 VOLT. POWER REG. 27.5 VDC @ 1.8 AMPS WITH TUBES 1/26A7, 5/26A6 AND 1/2606 SIZE: $9\frac{1}{2} \times 7\frac{1}{2} \times 13\frac{1}{2}$; WT: 25 LBS. PRICE: USED \$19.95



TS-375 VACUUM TUBE VOLTMETER USED FOR MEASURING BOTH AC AND DC VOLTAGES. FULL SCALE RANGE 1.2/3/12/30/120 VAC-VDC ADDITIONAL DC SCALE TO 300 VOLTS. FREQ. RANGE 40 CYC TO 300 MC. WITH PROBES. SIZE: $10\frac{1}{2} \times 10\frac{1}{2} \times 6\frac{1}{2}$; WT: 20 LBS. PRICE: USED \$45.00



BE-77-B LINE UNIT DESIGNED FOR USE WITH TELETYPE EQUIPMENT OF DC NEUTRAL LINE SIGNAL TYPE. MEASURES AND ADJUSTS LINE CURRENT, ADJUSTS BIAS OF RECEIVED SIGNALS AND MEASURES THE VOLTAGE OF THE DC POWER SOURCE AND THE BIAS IN THE LINE SIGNALS. WITH $3\frac{1}{2}$ " RD. 100-0-100 SCALE MILLIAMMETER FS-1-0-1 MA. ALSO POLAR RELAY. POWER REQUIRED: 115 VAC 60 CYCLE SIZE: $6 \times 8\frac{1}{2} \times 6\frac{1}{2}$ SHPG. WT: 20 LBS. PRICE: USED, \$9.95. LESS POLAR RELAY \$7.95



TS-352 MULTIMETER, PORTABLE GENERAL PURPOSE VOLT-OHM-METER. SENSITIVITY 1000 OHMS/VOLT AC-DC OR 20,000 OHMS/VOLT DC ONLY. AC-DC VOLT SCALES: 2.5/10/50/250/500/1000 VOLTS. DC AMP SCALE: 250 uA/2.5 mA/10 mA/50 mA/100 mA/500 mA/2.5-10 AMPS. RESISTANCE SCALE: Rx1/x10/x100/x1000/x10,000 OHMS WITH FOUR INCH METER FS=50 u-AMPS. JACK FOR 5000 VDC @ 20K OHMS/VOLT. WITH TEST LEADS. USES THREE 4 1/2 VOLT AND ONE 1/2 VOLT BATTERIES. SIZE: $1\frac{1}{2} \times 11 \times 10$ WT: 23 LBS. PRICE: USED, REPARABLE \$29.95. CHECKED \$39.95



I-181 RELAY TEST SET, WESTERN ELECTRIC # C-162269; PORTABLE CURRENT FLOW TYPE RELAY ADJUSTING SET USED TO MEASURE AND CONTROL CURRENT FLOW THRU RELAY WINDINGS OR SIMILAR ELECTROMAGNETIC UNITS. MAY ALSO BE USED AS DC MILLIAMMETER WITH RANGES OF 15, 75 AND 150 MA. CONTROLS FOR VARYING CURRENT; TERMINALS FOR WIRING RELAY UNDER TEST. REQUIRES 220 AND 45 VOLTS. SIZE: $6\frac{1}{2} \times 9\frac{1}{2} \times 5\frac{1}{2}$ WT: 10 LBS. PRICE: USED \$14.95



AG3 AUDIO GENERATOR, MFG. IN CANADA BY MEASUREMENT ENGINEERING. 35 HZ TO 35 KHZ IN THREE RANGES. FREQUENCY RESPONSE FLAT WITHIN ± 1 DB FROM 35 HZ TO 15 KHZ. POWER OUTPUT 1 WATT INTO 500 OHMS; OVER 25 VOLTS ON OPEN CIRCUIT. WITH TUBES 6SJ7, 6SF5, 6K6, 6V6 AND 5U4. POWER REQUIRED: 115 VAC 60 HZ. SIZE: $18 \times 14 \times 8$ SHPG. WT: 60 LBS. PRICE: USED, COMPLETE, NOT CHECKED \$40.00



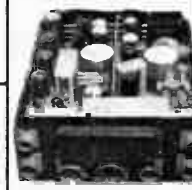
G-973/FRR-33 REMOTE SWITCHING CONTROL FOR REMOTE OPERATION OF AN/FRR-33 RADIO RECEIVING SET. UNIT INCLUDES A-F OSCILLATOR, A-F AMP, RELAY CONTROL SECTIONS, EACH WITH A 6AK6 TUBE. 115V. 60 CYCLE VOLTAGE REGULATED POWER SUPPLY HAS AN OUTPUT OF 5V @ 2 AMP, TWO (2) 275 VAC @ 80 MA, 25.2V. @ .6 AMP, AND 6.3V @ 1.5 AMP. WITH TUBES 5Y3, 6AU6, 5651, 6082. ALSO UNIT INCLUDES DIAL FOR CHANNEL SELECTION POWER AND TUNING-IN-PROGRESS INDICATOR LIGHTS OFF-STANDBY-ON SWITCH, OUTPUT LEVEL AND TONE CONTROLS AND 600 OHM TELEPHONE CONNECTION. SIZE: $8\frac{1}{2} \times 10 \times 13$ WT: 25 LBS. PRICE: EXCELLENT SERVICEABLE \$18.95



GENERAL RADIO TYPE 874 VI VOLTMETER INDICATOR; MEASURES RECTIFIED DC OUTPUT OF CRYSTAL DIODES, RF DIODES, AND CALIBRATES THE CRYSTAL AT THE APPLIED LEVEL VOLTAGE. FREQUENCY RANGE 60 HZ TO 7.0 GHZ. CALIBRATING VOLTAGE ACCURACY: 0.1 TO 2.0 V. CRYSTAL CURRENT 0-200 u-AMPS. INCLUDES 2 1/2" 0-200 MICROAMMETER, DIRECTLY CALIBRATED DIAL, AND SCHEMATIC. POWER REQUIRED 115/230V. 50-60 HZ. AC. SIZE: $5\frac{1}{2} \times 5\frac{1}{2} \times 3\frac{1}{2}$ WT: 6 LBS. PRICE: UNUSED \$24.95



TRANSCEIVER
BC-645/ABA-1 TRANSCIEVER ARMY-NAVY-AIR FORCE TRANSPONDER USED FOR FRIEND OR FOE IDENTIFICATION IN THE 460-490 MC BAND. COMPLETE WITH TUBES 4/7F7, 4/7H7, 2/7E6, 2/6F6, 2/955 & 1/316. SIZE: $11 \times 6\frac{1}{2} \times 14$; WT: 20 LBS.
BC-645/ABA-1 RECEIVER-TRANSMITTER MOUNTING FOR " " 1.50
BC-645 CONTROL BOX MOUNTING FOR BC-646 CONTROL BOX. 1.95
PE-101 DYNAMOTOR 12/13-24/26 VDC; 12.6/6.3 AMPS. OUTPUT 400 VDC @ 135 MA 800 VDC @ 20 MA. 9V 80CYC. 1.12A. 7.95
UHF ANTENNAS 2 PER SET 1.95
PLUGS COMPLETE SET \$4.95 INDIVIDUAL 1.50
COMPLETE SET OF ALL ITEMS DESCRIBED ABOVE ALL BRAND NEW \$29.95
 THOUSANDS OF THESE SETS HAVE BEEN SOLD FOR CONVERSION TO THE 460-470 & 470-500 MC BANDS.



RADIOSONDE
AN/AMT-2 RADIOSONDE 403 MC FM. A SINGLE PACKAGE INSTRUMENT WHICH CARRIED BY A FREE BALLOON, IS USED TO TRANSMIT METEOROLOGICAL INFORMATION TO A GROUND STATION. THE FREQUENCY MODULATION IS CONTROLLED BY A SENSOR MECHANISM CONTAINING ELEMENTS CONTROLLED BY PRESSURE, TEMPERATURE AND HUMIDITY TOGETHER WITH A COMMUTATOR ARRANGEMENT WHICH SETS UP A SEQUENCE OF SIGNALS. USES 2 TUBES AND REQUIRES 1.5, 6 & 115 VDC FOR OPERATION. W/TUBES, LESS BATT. SIZE: $4\frac{1}{2} \times 6\frac{1}{2} \times 1\frac{1}{2}$ LB. PRICE: \$5.00
T-69F/AMT-2 RADIOSONDE TRANSMITTER ONLY. F-2 EMISSION (FM) 390 TO 410 MC RANGE WITH TUBES 5703 AND 5910. REQUIRES BB-208 DRY CELL BATTERIES (SOLD SEPARATE). SIZE: $6\frac{1}{2} \times 5\frac{1}{2} \times 2$ WT: 2 LBS. \$11.50
BB-208 DRY CELL BATTERY SET WT: 1 LB. \$5.99



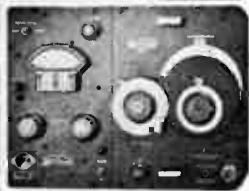
MICROWAVE GENERATOR



TS-147/UP MICROWAVE SIGNAL GENERATOR

PORTABLE UNIT DESIGNED TO TEST AND ADJUST RADAR, BEACON AND MICROWAVE COMMUNICATION SYSTEMS OPERATING IN THE FREQUENCY RANGE OF 8500 TO 9600 MC. PROVIDES EITHER FM OR CW TEST SIGNALS OF KNOWN POWER LEVEL AND FREQUENCY. THIS UNIT CONTAINS A DIRECT READING FREQUENCY METER AND POWER LEVEL METER WITH POWER REFERENCED TO ONE MILLIWATT (DBM). USED TO MEASURE FREQ. AND POWER LEVEL OF THE INPUT AND OUTPUT SIGNALS. SPECTRUM WIDTH, FREQ. CHANGE, RECOVERY TIME AND STANDING WAVE RATIO. CAN ALSO BE MODULATED EXTERNALLY. OPERATES FROM 115 VOLT 50-1600 CYCLES. LESS CABLES, PLUGS, ADAPTER, PICK-UP HORN. SIZE: 11x18x12; WT: 35 LBS.

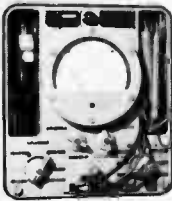
TS-147A/UP.....\$49.50 USED
 TS-147B/UP.....60.00 USED
 TS-147D/UP.....75.00 USED



GENERAL RADIO SIGNAL GENERATOR MODEL 1021 250-920 MC

IN ONE BAND, DIRECT READING CALIBRATION 1%, OUTPUT VOLTAGE CONT. ADJ. .5 TO 1 VOLT OPEN CIRCUIT. OUTPUT IMP. 50 OHMS 10%, AMPLITUDE MOD. ADJ. 0-50%, ENV. DIST. LESS THAN 5% AT 50% MOD. CARRIER NOISE LEVEL .2% MOD. STRAY FIELD LEAKAGE AND RESIDUAL OUTPUT VOLTAGE CANNOT BE DETECTED WITH A RECEIVER. 2-3 MV SENSITIVITY. POWER REQUIRED: 115/230 VOLT, 50-60CY. SIZE: 20x14x10; WT: 40 LBS. COND. USED PRICE: \$150.00 CHECKED FOR OPERATION \$25 EX.

ELECTRONIC MULTIMETER



TS-505/U ELECTRONIC MULTIMETER: PORTABLE VACUUM TUBE VOLTMETER AND DC OHM METER DESIGNED TO MEASURE AC AND DC VOLTAGES AND RESISTANCE. AC METER IS PEAK INDICATING HOWEVER, IT IS CALIBRATED TO READ RMS VOLT POWER REQ. 115 V 50-1600 CYC AND TWO 1.5 V. BATT. FOR OHMMETER SECTION. FREQ. RANGE 30 CYC TO 500MC

AC RMS VOLTS RANGES 0-2/4/10/20/40/100 & 200
 DC VOLTS RANGES 0-2/4/10/40/100/200/400/1000
 RESISTANCE OHMS RANGES 0-1000 MEGOHMS, 7 RANGES WITH AC RECTIFIER PROBE AND A DC PROBE.
 HANDLE IS USED FOR ADJUSTABLE STAND, EASY USE. SIZE: 11x13x13; WT: 20 LBS.
 PRICE: USED REPARABLE \$30.00, CHECKED \$40.00

ME-6D/U V.T.V.M.

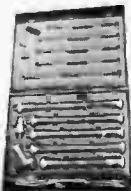


ME-6D/U ELECTRONIC MULTIMETER THIS IS A HIGHLY SENSITIVE VTVM WHICH ACCURATELY MEASURES AC VOLTAGES FROM 500 MICROVOLTS TO 50 VOLTS IN SIX RANGES OVER THE FREQ. RANGE OF 15 CYCLES TO 250 KC PER SEC. THE DECIBEL RANGE IS -5 TO +17, A JACK IS PROVIDED TO INSERT PHONE PLUG SO UNIT CAN BE USED AS A FLAT WIDE-BAND AMPLIFIER. MAX. VOLT GAIN APPROX. 4500, RECT. APPROX. 250 VDC. TUBES 6X7, 6X2, 6A2, 2A12 & 2/6A6, VOLTAGE REQ. 117 V. 50-400 CYCLE. ACCURACY 3% SIZE: 5x6x11; WT: 12 LBS. USED \$29.95

ATTENUATORS

MX-1309/URM-23 POWER MEASURING; KIT OF WAVEGUIDE ATTENUATORS, ADAPTER, BALOMETER, CABLE & CHART, 1000 TO 4000 MC.

1 ATTENUATOR CN-110/U 10 DB
 1 " CN-111/U 20 DB (2pc)
 1 " CN-168/U 3 DB
 1 " CN-169/U 6 DB
 1 RF BALOMETER DT-76/U, "N" CON
 1 ADAPTER CONN. UG-402/U
 1 COAXIAL CABLE CG-92B/U W/UG-21 EA. END.
 METAL CARRYING CASE, FITTED, SIZE: 19x5x14;
 WT: 32 LBS. COMPLETE SET \$18.95



BC-221

FREQUENCY METER



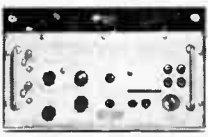
THIS IS A SIMPLE ACCURATE AND RELIABLE CRYSTAL CALIBRATED FREQUENCY INDICATING INSTRUMENT FOR USE IN THE 1.5 TO 20,000 KC RANGE, WITH A NORMAL OPERATING ACCURACY OF LESS THAN .02%. CAN ALSO BE USED AS A SIGNAL GENERATOR OR VARIABLE FREQ. OSCILLATOR.

OPERATING VOLTAGE REQUIRED FOR DRY CELL OPERATION 6 VDC .9 AMP. & 135 VDC 20 MA.
 SIZE: 10x13x10; WT: 25LBS.

UNITS MAY BE IN WOOD OR METAL CASES. VARIOUS LETTERS, COMPLETE WITH TUBES, CRYSTAL, ORIGINAL CALIBRATION BOOK. USED, REPARABLE \$60.00
 PRICE: USED CHECKED FOR OPERATION \$70.00
 BC-221 CHKD. WITH MODULATION

BC-221 FREQUENCY METER LESS CALIBRATION BOOK NOT CHECKED FOR OPERATION, OTHERWISE COMPLETE PRICE: \$45.00

CALIBRATOR

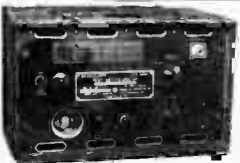


TS-102B/AP CALIBRATOR

RANGE CALIBRATOR PORTABLE PULSE GENERATOR WITH REPEITION FREQ. OF 400, 800, 1600, 2000, & 4000, MARKER AND SYNCHRONIZING PULSE, VARIABLE DELAY LINE PHASE ADJUSTMENT. OPERATES FROM

115 V. 50-1000 CYCLES WITH TUBES 2/6X4W, 3/6AG7, 6/5814, 2/UG273/U CONN. 4 CABLES W/ UG-86B/U. SIZE: 16x10x11; WT: 28LBS.
 PRICE: UNUSED \$14.95

LORAN TEST SET



TS 251 LORAN TEST SET PORTABLE SIGNAL GENERATOR USED IN PRE-FLIGHT AND SHIPBOARD CHECKING OF LONG RANGE LORAN RECEIVERS. FREQUENCY RANGE 1700 TO 2010 KC PULSE SIGNAL. WITH TUBE 6J5, 6S17, 6SK7, 6SL7, 6X5

AND 6SN7. POWER REQ. 80/115/230 V. 50-1600CY
 SIZE: 7x11x10; WT: 30 LBS.
 PRICE: USED SERVICEABLE \$50.00 CHECKED \$60.

DIODE CRYSTAL CHECKER



390A-3 TEST SET CRYSTAL CHECKER

FOR CERAMIC CARTRIDGE AND COAXIAL TYPES WITH NORMAL AND REVERSED POLARITIES. MINIMUM CONVERSION LOSS CAN BE PREDICTED FROM THE STATIC VOLTAGE CURRENT CURVE OF THE CRYSTAL, THEREFORE A TWO POINT DC MEASUREMENT OF VOLTAGES IS MADE OF THE CRYSTAL UNDER TEST AND THE RESULTANT DIFFERENCE IN CURRENT CALIBRATED IN MINIMUM AVAIL. CONVERSION LOSS. IN THE CALIBRATE POS. AND VARYING CONTROL ESTABLISHES THE

VOLTAGE CURRENT CURVE, IN THE TEST POS. SHOWS THE INDICATED CURRENT ON THE CALIBRATED METER AS A FUNCTION OF THE MINIMUM AVAIL. CONVERSION LOSS. POWER SUPPLY ONE 1.5 VOLT BATTERY. SIZE: 8x8x5; WT: 5 LBS. PRICE: USED \$9.95

URC-4 & URC-10 TEST SET

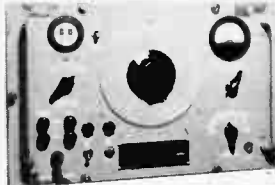
& A.C. POWER SUPPLY



T 906 TEST SET FOR URC-4, URC-10, RT-285 AND RT-350 TRANSCIEVERS CONTROLS TO CHECK FILAMENT VOLTAGES, PLATE VOLTAGE, FILAMENT CURRENT AND PLATE CURRENT

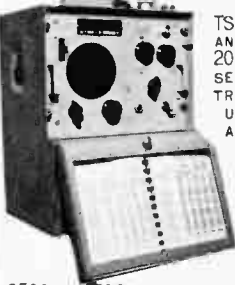
METER INDICATES WHETHER TRANSCIEVER IS PASSABLE. T-906 MIGHT ALSO BE USED AS A 115V. AC 60 HZ POWER SUPPLY FOR THE SETS. THREE TEST JIGS ARE INCLUDED FOR SPECIFIC UNITS. POWER REQUIRED 115V. 60 HZ. SIZE: 19x11x11; WT: 80 LBS. PRICE: NOT CHECKED \$35.00

TS-382 AUDIO OSCILLATOR



TS-382 AUDIO OSCILLATOR FREQUENCY RANGE 20 TO 200,000 CPS IN FOUR BANDS, OUTPUT IMP. 1000 OHMS, AMPLITUDES CONTINUOUSLY VARIABLE 0-10 VOLTS, FREQ. RESPONSE 20 CPS. TO 150,000 CPS. APPROX. ±

1 DB, FREQ. ACCURACY ±6%, STABILITY ±2%, HUM 60 DB BELOW RATED OUTPUT, ATTENUATOR ACCURACY 3% EXCEPT 10 MICRO. V. +2 OR -3 MICROVOLTS. POWER INPUT 115 V. 50-1600 CYC. OUTPUT 100 MW. WITH NINE TUBES, CALIBRATED TUNING DIAL, FREQ. RANGE SWITCH, OUTPUT LEVEL CONT. OUTPUT LEVEL ATTENUATOR, SIGNAL INPUT AND OUTPUT JACK, OUTPUT LEVEL METER, VIBRATING REED-TYPE METER USED AS AN ACCURATE CHECK OF THE OSC. CALIBRATION SIZE: 18x10x12; WT: SHPG. 75 LBS.
 PRICE: USED, REPARABLE \$60.00 CHECKED \$75.00



TS-323/UR FREQUENCY METER AND CRYSTAL CALIBRATOR, 20 TO 480 MC. PORTABLE SELF-CONTAINED CRYSTAL CONTROLLED HETERODYNE TYPE USED FOR TESTING CW, MCW AND PULSED SIGNALS. FUNDAMENTAL FREQ. RANGE 20 TO 40 MC. ACCURACY .005%, AUDIO 20 MW AT CHECK PTS. RADIO FREQ. OUTPUT 50-1000 MV. SENSITIVITY 50M MV SIG. GIVES AUDIO BEAT NOTE OUTPUT OF 10 MW. RANGE

2500 TO 500 MV. POWER REQUIRED 2 DRY BATTERIE BA-203 (6 VDC) AND 3 BA-59 (45 VDC). SIZE: 15x12x10 WT: 35 LBS.
 PRICE: USED REPARABLE \$50.00 CHECKED \$65.00
 115 VOLT 60 CYCLE POWER SUPPLY \$24.95

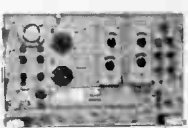


TV-2/U DYNAMIC MUTUAL CONDUCTANCE ELECTRONIC TUBE TESTER FOR PORTABLE USE. GOVERNMENT SURPLUS UNIT USED TO TEST AND MEASURE PERFORMANCE CAPABILITIES AND TO DETERMINE REJECTION LIMITS FOR ELECTRON TUBES USED IN RECEIVERS, LOW-POWERED TRANSMITTERS AND OTHER ELECTRONIC EQUIPMENT. HAS PROVISIONS FOR CHECKING TUBES UP TO 9 PINS INCLUDING ACORN, NOVAL, 7 PIN TRANS., ETC. METERS 2 1/2" FOR READING FILAMENT, GRID, PLATE, SCREEN, SIGNAL AND TRANSDUCTANCE

(PERCENT QUALITY) WHICH IS 10,000 OHMS PER VOLT. ALL THE IMPORTANT TESTS CAN BE MADE ON THIS UNIT AND IT WILL ALSO TEST TUBES UNDER THE ACTUAL OPERATING CONDITIONS BY SETTING THE PROPER VOLTAGES THAT ARE INDICATED ON THE METERS. POWER REQUIRED: 103 TO 126V.; 50 TO 1600 CYCLES.
 SIZE: 17x16x8; SHPG. WT: 45 LBS.
 PRICE: USED SERVICEABLE \$55.00; CHECKED \$65.00
 PARTS ARE AVAILABLE-TELL US WHAT YOU NEED

WAVE METER SCOPE OSCILLATOR

AN/UPM-1 WAVEMETER-OSCILLATOR SCOPE RADAR TEST UNIT FOR 155-235MC AND 460-570MC. CONTAINS PULSE AND SWEEP GENERATOR VIDEO AMP. 3" OSCILLOSCOPE, TWO WAVEMETER TWO OSCILLATORS. POWER REQUIREMENTS: 80, 115 OR 230 VOLTS AC. 60-1000 CYCLES. SIZE: 30x21x24 WT: 150 LBS.
 USED \$39.50



DIFOLE ANTENNA FOR AN/UPM-1 USED \$9.95

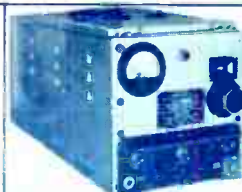
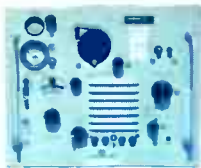
FREQUENCY POWER METER



FREQUENCY POWER METER M. 51/UP FREQUENCY COUNTER CO-3999 CALIBRATED TO FREQUENCY 3100 MC TO 3500 MC. HAS 0-1.5 MA; 0-25mw METER. WITH CABLES, IN METAL CARRYING CASE. SIZE: 8x9x9; WT: 18 LBS. USED \$15.00

FR-4/U FREQUENCY METER

100 KHZ TO 20 Mhz IN SEVEN BANDS; PORTABLE GENERAL PURPOSE, HETERODYNE TYPE UNIT USED TO MEASURE AND CALIBRATE RECEIVERS AND TRANSMITTERS. A BLINKER LIGHT IS USED FOR MAKING ACCURATE ZERO-BEAT SETTINGS. CW RECEPTION. OSCILLATOR FREQUENCIES: 100 TO 250 KHZ (PROXY), 1250 KHZ (CRYSTAL), 10 KHZ (BLOCKING) AND 15 TO 20 KHZ (INTERPOLATION). WITH BUILT-IN OSCILLOSCOPE FOR INTERPOLATION. AUDIO POWER OUTPUT 2 MW MIN. ACROSS 600 OHMS. STABILITY .0001%, ACCURACY .001%. 115/230 V AC 50 TO 1000 HZ. SIZE: 15 1/2x19x18 WT: 100 LBS. PRICE: USED, REPARABLE \$65.00 CHECKED \$85.00



TS-1860/UP FREQUENCY METER, PORTABLE, GENERAL PURPOSE, CRYSTAL-CONTROLLED, HETERODYNE-TYPE, WHICH CAN BE OPERATED WITH BOTH VISUAL AND AURAL SIGNAL INDICATION WITH A BEAT-INDICATING METER, HEADPHONES, AND VIDEO OUTPUT JACK FOR AN OSCILLOSCOPE. 100 TO 10,000 MC FREQ. RANGE; ACCURACY .01%. SIGNAL INPUT: 500 UV TO 1 VOLT; AUDIO SIGNAL OUTPUT: 10 U-WATTS TO 20 MW @ 600 OHMS IMPED. SENSITIVITY: 1000 UV INPUT SIGNAL IN 500 TO 1250 MC RANGE PRODUCES 20 MILLIWATT AUDIO-OUTPUT SIGNAL. POWER REQUIRED: 115 VAC 50-1000 CYCLES. SIZE: 9 1/2x8 1/2x20 WT: 50 LBS. PRICE: USED REPARABLE \$65.00 CHECKED \$90.00



AN/URM-32 FREQUENCY METER: 125 KC TO 1000 MC IN THREE RANGES, CAN ALSO BE USED AS A SIGNAL GENERATOR WHICH PROVIDES A CHOICE OF MODULATED OR UNMODULATED SIGNALS FOR TESTING AND CALIBRATING RADIO EQUIPMENT. SENSITIVITY WITH AN RF OUTPUT OF .05 MW MINIMUM IS OBTAINED. ACCURACY .01%, RF 100 UV MINIMUM ACROSS EXTERNAL 50 OHM RESISTIVE LOAD. FIVE TUBE HETERODYNE TYPE, POWER REQ. 6 VDC 1 AMP. 180 VDC 25 MA., DRY BATTERY OR AC SUPPLY CAN BE USED. METER IS USED TO READ P.S. VOLTAGES. W/CALIBRATION BOOK SIZE: 13 1/2x12 1/2x13 1/2 WT: 29 LBS. PRICE: USED REPARABLE \$125.00 CHECKED \$150.00 115 V. 60 CYC POWER SUPPLY " 25.00

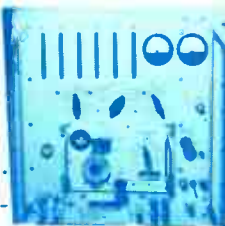


FR-6/U FREQUENCY METER 100 TO 500 Mhz, HETERODYNE TYPE COMPRISING VARIABLE TUNED INTERPOLATION OSC. ADDED TO A FIXED HARMONIC CRYSTAL OSCILLATOR. THIS METHOD ELIMINATES UNWANTED HARMONICS. AN LC TYPE AUDIO-MODULATOR MODULATES THE FILTERED AMPLIFIER IF SIGNAL AND THE AUDIO IS FED INTO THE HEADPHONE JACKS. RECEIVES CW; FUND. FREQ. RANGE 4.166-4.34 STANDARD FREQ. AVAILABLE 4.0 Mhz. STABILITY .0001%, ACCURACY .001%. WITH CALIBRATING SCALE, USES BNC CONNECTORS. REQUIRES 115/230V 50 TO 1000 HZ. SIZE: 12x19x15 WT: 60 LBS. PRICE: USED, REPARABLE \$65.00 CHECKED \$85.00

FR-5/U FREQUENCY METER; SIMILAR TO FR-6 EXCEPT 10 TO 100 Mhz. A FEW AVAILABLE. PRICE: USED, REPARABLE \$65.00 CHECKED \$85.00

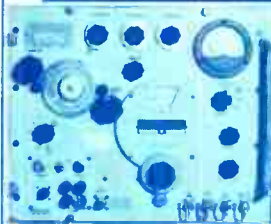
FR-38 FREQUENCY METER

FR-38 FREQUENCY METER AND COUNTER; GENERAL PURPOSE UNIT SIMILAR TO HEWLETT-PACKARD 524B. USED TO MEASURE FREQUENCY AND TIME INTERVALS. FREQ. RANGE: 10 HZ. TO 10 KHZ; CAN BE EXTENDED WITH PROPER PLUG-INS TO 510 Mhz. TIME INTERVAL: .001 SEC TO 10 SEC. CAN BE EXTENDED FROM 1.0 U-SEC TO 100 DAYS WITH PROPER PLUG-IN. FR-38 CONSISTS OF A SIGNAL GATE, A TIME BASE SECTION, A GATE SECTION AND 6-DECADE COUNTER. RECEIVES CW OR PULSED. ACCURACY @ 1 TO 3000 HZ .03%; @ 3000 HZ TO 10 KHZ .001%. POWER REQUIRED: 115V AC 50 - 1000 HZ. SIZE: 19 1/2x19x18 WT: 125 LBS. PRICE: USED, REPARABLE \$125.00 CHECKED \$175.



FR-38 WITH HEWLETT-PACKARD 525B FREQUENCY CONVERTER WHICH EXTENDS RANGE TO 100 220 Mhz. \$50.00 ADDITIONAL.

SIGNAL GENERATOR



TS-403 SIGNAL GENERATOR, SIMILAR TO HEWLETT-PACKARD 616B 1.8 TO 4.2 GC DIRECTLY CALIBRATED FREQ. CALIBRATION ACCURACY ± 1%. OUTPUT RANGE OF 1 MW OR .223V TO 0.1UV. INTO 50 OHM LOAD IS DIRECTLY CALIBRATED AND CONTINUOUSLY MONITORED. INTERNAL MODULATION 40 TO 4000 HZ; EXTERNAL PULSE MOD. REQUIREMENTS 40 TO 70V POS. OR NEG., WIDTH 1 U-SEC TO 2500 U-SEC, MAY BE SQUARE WAVE W/DULATED. POWER REQUIRED: 115/230V 50-1000 HZ. PORTABLE UNIT WITH COVER. SIZE: 17 1/2x13 1/2x13 1/2 WT: 65 LBS. PRICE: USED, REPARABLE \$85.00 UNUSED \$125.

FREQUENCY STANDARD



TS-65C/FMQ-1 FREQUENCY STANDARD; PORTABLE, LOW AUDIO FREQUENCY GENERATOR UTILIZING A TUNING FORK OSCILLATOR TO CONTROL BASIC FREQUENCY ACCURACY AND STABILITY. PHOTOELECTRIC SYSTEM AND LIGHT BLANKING DIAL GENERATE ELEVEN FIXED FREQUENCIES OF 1, 20, 40, 60, 80, 100, 120, 140, 150, 180, AND 190 HZ. OUTPUT VOLTAGE MAX. 45±15 V. WAVE SHAPE: NEGATIVE GOING PULSE; IMPEDANCE: 50K OHMS, OUTPUT LOADING: 250K OHM ACCURACY: .05% OVERALL. POWER SUPPLY: 110 TO 135 V. 50-65 CYC. 35 WATTS, SINGLE PHASE. SIZE: 8 1/2x7 1/2x15 1/2 WT: 30 LBS. PRICE: USED REPARABLE \$34.95

NOISE GENERATOR



RG-52 MICROWAVE MEGAWATT NOISE GENERATOR WITH POWER SUPPLY. USED FOR THE MEASUREMENT OF NOISE FIGURE OR RECEIVER GAIN AND FOR THE CALIBRATION OF STANDARD SIGNAL SOURCES. FLUORESCENT GAS TUBE GIVES 8200 MHZ TO 12400 MHZ FREQUENCY RANGE. HAS THERMOMETER ATTACHED TO AID IN ADJUSTING THE WAVEGUIDE. THE NOISE POWER OUTPUT IS 15.8 DB. WITH AN MOUNTING FLANGE UG-39/U. POWER SUPPLY INPUT 115V. 50-60 HZ. WAVEGUIDE SIZE: 16x5 1/2x1 1/2 WT: 2 1/2 LBS. POWER SUPPLY SIZE: 11 1/2x7x7 WT: 15 LBS. PRICE: WAVEGUIDE W/POWER SUPPLY, UNUSED \$25.

TS-170/ARN-5 TEST OSCILLATOR USED FOR PRE-FLIGHT CHECKING OF GLIDE PATH RECEIVERS SENSITIVITY AND AUDIO CHANNELS. CRYSTAL CONTROLLED ON THREE PRESELECTED FREQ. 332.6, 333.8 & 3.5 MC. MODULATION FREQ. 90 & 150 CYC. METER IS 2" 0-1 DC MILLIAMETER. BATTERIES REQUIRED 2/1.5 VDC AND 2/45 VDC. WT: 29 LBS. SIZE: 12x16x12; UNUSED \$29.50



TS-148 SPECTRUM ANALYZER



TS-148/UP SPECTRUM ANALYZER; 8470 TO 9630 Mhz. PROVIDES VISUAL INDICATION OF RF OSCILLATOR SPECTRA. MAY ALSO BE USED TO MEASURE FREQUENCIES OF RESONANT CAVITIES, ECHO BOXES, MAGNETRONS AND LOCAL OSCILLATORS IN FREQ. RANGE. RECEIVES CW AND PULSED; TRANSMITS CW AND FM CARRIER WAVE. CONTINUOUSLY VARIABLE SWEEP FREQ. FROM 10 TO 30 CYCLES. MAX. SPECTRA DISPERSION 1.5 Mhz PER INCH. SENSITIVITY TO CW (SPECTRUM AMPLIFIED POSITION) -80 DB BELOW 1 WATT/IN. DEFLECTION; SENSITIVITY TO CW (SPECTRUM POS.) 55 DB BELOW 1 WATT/IN. DEFLECTION. ONE MILLIWATT POWER OUTPUT. WITH FREQ. METER, FREQ.-SWEEP RF OSCILLATOR, CRYSTAL MIXER, NARROW BAND I-F

WITH TUBES 2K15, 2X2, 3BP1, 5R4, 6AC7, 6SN7, 6Y6, 6Z6, 6X4, 6AV6, 6AR5, 6X4, 6X5, 6X6, 6X7, 6X8, 6X9, 6X10, 6X11, 6X12, 6X13, 6X14, 6X15, 6X16, 6X17, 6X18, 6X19, 6X20, 6X21, 6X22, 6X23, 6X24, 6X25, 6X26, 6X27, 6X28, 6X29, 6X30, 6X31, 6X32, 6X33, 6X34, 6X35, 6X36, 6X37, 6X38, 6X39, 6X40, 6X41, 6X42, 6X43, 6X44, 6X45, 6X46, 6X47, 6X48, 6X49, 6X50, 6X51, 6X52, 6X53, 6X54, 6X55, 6X56, 6X57, 6X58, 6X59, 6X60, 6X61, 6X62, 6X63, 6X64, 6X65, 6X66, 6X67, 6X68, 6X69, 6X70, 6X71, 6X72, 6X73, 6X74, 6X75, 6X76, 6X77, 6X78, 6X79, 6X80, 6X81, 6X82, 6X83, 6X84, 6X85, 6X86, 6X87, 6X88, 6X89, 6X90, 6X91, 6X92, 6X93, 6X94, 6X95, 6X96, 6X97, 6X98, 6X99, 6X100. SIZE: 19x13x25; WT: 45 LBS. PRICE: TS-148/UP USED \$39.50 UNUSED \$49.50 AN/UPM-33 COMPLETE SPECTRUM ANALYZER CONSISTING OF TS-148/UP DESCRIBED ABOVE AND ALL THE ACCESSORIES DESCRIBED BELOW USED \$70.00 UNUSED \$80.00

AN/UPM-33 & TS-148/UP WAVEGUIDES & ACCESSORIES WAVEGUIDES HAVE 3/8 x 15/16 OPENINGS AND 1-5/8" MOUNTING FLANGES.

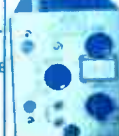
- CG-182 18" LONG FLEXIBLE WAVEGUIDE \$4.95
- CG-176 DIRECTIONAL COUPLER (WAVEGUIDE SELECTOR; w/TYP. N CONNECTOR, 5x2) \$6.95
- UG-183 WAVEGUIDE TO COAXIAL ADAPTER WITH TYPE N CONNECTOR. 2-3/8x1 1/2 \$2.95
- UG-144 CHOKE TO CHOKE ADAPTER PLATE \$1.00
- AT-68 PICK-UP HORN, 9.4 DB GAIN, TYPE N CONN. INPUT. 3 1/2" LONG. \$5.95
- CG-92 ANTENNA HORN CABLE, 6' L \$1.75
- CX-464 MIXER INPUT CABLE w/(2) PL-55 \$1.00
- TS-148 OR UPM-33 MANUAL \$8.50
- TRANSIT CASE F/UPM-33 25x12x19 \$10.00

TV-7/U TUBE TESTER



TV-7/U ELECTRON TUBE TESTER, PORTABLE DYNAMIC MUTUAL CONDUCTANCE TYPE. USED TO TEST AND MEASURE THE PERFORMANCE CAPABILITIES AND TO DETERMINE THE REJECTION LIMITS FOR ELECTRON TUBES USED IN RECEIVERS, LOW-POWER TRANSMITTERS AND IN MANY OTHER ELECTRONIC EQUIPMENT. THE TESTS MADE ARE FOR DYNAMIC MUTUAL CONDUCTANCE, EMISSIONS, SHORTS, GAS, NOISE, CONTINUITY, PILOT LAMP, ETC. TEST SOCKETS ARE FOR OCTAL, OCTAL, 4, 5, 6, 7 PIN, NORVAL 9, 7 PIN MINIATURE, SUB-MINI RD. AND FLAT, ACORN, ETC. WITH SPECIAL ADAPTERS (OPTIONAL) 829, 832, 2039 AND SUB-MINI TUBES WITH LONG LEADS CAN ALSO BE TESTED. POWER REQUIRED: 115 VOLT, 50 TO 1000 CYCLES. TUBE TEST DATA CHARTS, TEST LEADS AND PIN STRAIGHTENERS FOR 7 AND 9 PIN ARE INCLUDED. SIZE: 6 1/2x8 1/2x15 1/2 WT: 20 LBS. PRICE: USED SERVICEABLE \$19.95 CHECKED \$29.95 ADAPTER FOR 2039 \$5; FOR 829/832 \$5; FOR SUB-MINI LG. LEAD \$3.00 TV-7, LESS DATA BOOK, LEADS, PIN STRAIGHTNER, WATER DAMAGE, BUT TRANSFORMER OK, \$10.00

SCOPE PLUG-INS



- TEKTRONIX TYPE OSCILLOSCOPE PLUG-IN UNITS FOR USE WITH TEKTRONIX OR LAVOIE SCOPE SERIES 530, 540 OR 550. VARIOUS MANUFACTURERS; SOLD AS USED, COMPLETE-REPARABLE. CHARACTERISTICS GIVEN FOR 545.
- TYPE B WIDE-BAND HIGH-GAIN, DC TO 20 Mhz. 18 N-SEC RISE TIME AT 50 MV/CM TO 50V/CM. 2 HZ TO 12 Mhz, 30 N-SEC RISE TIME AT 5 MV/CM TO 50 MV/CM. HICKOK MFG. \$35.00
- TYPE D HIGH-GAIN DC DIFFERENTIAL, DC TO 300 KHZ AT 1 MV/CM, INCREASING TO 2 Mhz AT 50 MV/CM. TEKTRONIX MFG. \$40.00
- TYPE E LOW-LEVEL DIFFERENTIAL, .06 HZ TO 20 KHZ AT FULL GAIN, INCREASING TO 60 KHZ AT 0.5 MV/CM. HICKOK MFG. \$40.00
- TYPE 53/54 K, FAST-RISE DC, DC TO 30 Mhz, 12 N-SEC RISE TIME AT 50 MV/CM TO 20 V/CM. TEKTRONIX MFG. \$30.00
- TYPE L FAST-RISE HIGH-GAIN, DC TO 30 Mhz, 12 N-SEC RISE TIME AT 50 MV/CM TO 40 V/CM, 3 HZ TO 24 Mhz, 15 N-SEC RISE TIME AT 5 MV/CM TO 4 V/CM. LAVOIE MFG. \$45.00

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RT-70 RECEIVER-TRANSMITTER
 47 to 55.4 Mhz FM VOICE COMMUNICATIONS. FEATURES CONTINUOUS TUNING OR TWO PRE-SET CHANNELS AND PUSH-TO-TALK TRANSMISSION. THE RECEIVER CIRCUIT IS THE DUAL CONVERSION TYPE WITH THE 1ST IF 1.4 MHZ AND THE 2ND IF 1.4 MHZ. WITH VARIABLE SQUELCH CONTROL. 600 OHM AUDIO OUTPUT IMPEDANCE. THE TRANSMITTER CIRCUIT HAS A 500 MW OUTPUT AND AN AUDIO INPUT IMPED. OF 150 OHMS. POWER REQUIRED: 90 VDC @ 80 MA, 6.3 @ 360 MA AND 6.3 @ 160 MA. WITH TUBES: 6/1U4, 3/1L4, 2/1R5, 1S5, 1AE4, 4/3Q4, 3A5, AND 3B4. RELATED ACCESSORY EQUIPMENT LISTED ELSEWHERE. SIZE: 4 1/2 x 13 x 8 WT: 20 LBS. USED \$22.95

ME-61/GRC FIELD STRENGTH METER, 1.4 TO 24 MHZ IN 3 RANGES, WITH VARIABLE TUNING, SENSITIVITY CONTROL, 1-3/4" SQ. METER, PHONE JACK & ANTENNA. SIZE: 5x5x4 1/2 WT: 5 LBS. NEW \$34.95

F-237/GRC-10 BAND PASS FILTER FOR 54 TO 70.9 MHZ. CONT. TUNING 250 KHZ BANDWIDTH @ 3 DB PTS. 4.5 MHZ @ 40 DB IN-OUT IMPED. 50 OHM. REDUCES CROSS-TALK WHEN REC. AND TRANS. ARE ON THE SAME FREQUENCY. SIZE: 11x11 1/2 x 5 WT: 15 LBS. NEW \$29.95

AM-65/GRC AUDIO FREQUENCY AMPLIFIER; THREE CHANNEL AUDIO FREQ. AMPLIFIER USED FOR INTERPHONE AND MONITORING OF VARIOUS TYPE GRC REC-TRANS. POWER REQUIRED: 135 VDC @ 35 MA AND 6, 12 OR 24 VDC. SIZE: 4 1/2 x 13 x 8 WT: 17 LBS. USED \$14.95

LS-166/U LOUDSPEAKER, HEAVY DUTY SPEAKER 4" MOUNTED IN ALUMINUM CASE WITH UG-77 PLUG ON 6 FOOT CORD, 600 OHM INPUT TO 8 OHM VOICE COIL. ALSO HIGH-LOW SWITCH. 5x5x3 1/2 WT: 5 LBS. U \$8.95

PP-282/GRC 24 VDC POWER SUPPLY USED WITH THE AM-65 AND RT-70. THIS UNIT PLUGS INSIDE THE AM-65 AND SUPPLIES THE VOLTAGES FOR BOTH AM-65 AND RT-70. SIZE: 4 1/2 x 6 x 3 WT: 6 LBS. USED \$5.95

RT-176/PRC-10 RADIO RECEIVER-TRANSMITTER; PORTABLE UNIT OPERATING FROM 38 TO 54.9 MHZ FM VOICE COMMUNICATIONS. THE RECEIVER SECTION HAS AN IF OF 4.3 MHZ AND AN AUDIO OUTPUT IMPED. OF 600 OHMS. TRANSMITTER OUTPUT IS 0.9 WATTS WITH A NORMAL RANGE OF ABOUT FIVE MILES. MICROPHONE INPUT IMPED. 150 OHMS. BOTH RECEIVER AND TRANSMITTER SECTIONS ARE CONTINUOUSLY TUNEABLE. WITH CONTROLS FOR VOLUME, TUNING, SQUELCH, POINTER ADJUST AND DIAL LOCK. CONNECTOR FOR EXTERNAL SPEAKER. WITH TUBES 9/5678, 2/5672, 3/5676, 1A04 AND 5A6. POWER REQUIRED: 135 VDC, 67 VDC AND 1 1/2 VDC. LESS BATTERY CASE. ACCESSORIES LISTED ELSEWHERE. SIZE: 9 1/2 x 3 x 10 1/2 WT: 9 LBS. RT-176/PRC-10 USED \$19.95

RT-68/GRC RECEIVER-TRANSMITTER, 38 TO 54.9 MHZ RANGE CONTINUOUSLY TUNEABLE OR 100 KHZ-STEP PRE-SET CHANNELS OR TWO PRE-SET CHANNELS. RECEIVES AND TRANSMITS BOTH VOICE AND 1600 HZ RINGING FM SIGNALS. THE OVERALL COMMUNICATION RANGE IS FROM 10 TO 15 MILES. THE RECEIVER CIRCUIT IS A DUAL-CONVERSION SUPERHETERODYNE TYPE WITH THE 1ST IF VARIABLE FROM 4.45 TO 5.45 MHZ AND THE 2ND IF FIXED AT 1.4 MHZ. THE RECEIVER HAS A VARIABLE SQUELCH CONTROL AND A 600 OHM OUTPUT IMPEDANCE. THE TRANSMITTER CIRCUIT USES A CRYSTAL-CONTROLLED OSCILLATOR AND OSCILLATOR POWER AMP AND PUTS OUT 2 WATTS ON LOW POWER VOLTAGE OR 16 WATTS ON HIGH POWER VOLTAGES SUPPLIED FROM THE POWER SUPPLY SOLD SEPARATELY. THE RT-68 ALSO PROVIDES A METER AND TEST SWITCH TO MONITOR TRANSMITTER POWER OUTPUT FILAMENTS AND THE 90 VOLT INPUT. WITH TUBES 4/1U4, 2/1A3, 2/1L4, 4/1R5; 2/1AE4, 1S5, 4/3Q4, 3/3A5, 2/3B4, 3A4, 6AK5 AND 2E24. SIZE: 9x13x11 1/2 WT: 42 LBS. USED \$75.00

COMBINATION OFFER
 WHEN THE RT-70, AM-65 AND PP-282 ARE PURCHASED TOGETHER. ALL THREE FOR \$35.00

R-110/GRC RADIO RECEIVER 38 TO 55 MHZ FM VOICE OR TONE. THE R-110 IS A SINGLE CONVERSION RECEIVER WITH AN IF OF 4.3 MHZ AND IS CONTINUOUSLY TUNEABLE ACROSS THE BAND. WITH VARIABLE SQUELCH CONTROL AND HAS AN AUDIO OUTPUT IMPEDANCE OF 600 OHMS. WITH TUBES 3/1U4, 2/1L4, 1A3, 1S5, 2/3A5, 2/3C4, 2/6AK5 AND 0B2. POWER REQUIRED: 135 VDC @ 70 MA AND 12 V @ 2 AMPS. SIZE: 9x13x7 1/2 WT: 32 LBS. USED \$59.50

RT-175/PRC-9 SAME AS PRC-10 EXCEPT 27 TO 38.9 MHZ. USED \$24.95 GOV'T. RE-COND. \$29.95

AM-598 AMPLIFIER-POWER SUPPLY, PICTURED WITH PRC-10. OPERATES FROM 24 VOLT SOURCE AND FACILITATES HEADSET OR SPEAKER MONITORING. PRC-8, 9 OR 10 PLUGS DIRECTLY INTO TOP. WITH TUBES 2/2E66, 2/12AT7, 2E25 AND 0C3. SIZE: 11 1/2 x 11 1/2 x 10 1/2 WT: 38 LBS. USED \$18.95

RT-66/GRC RECEIVER-TRANSMITTER SAME AS RT-68 ABOVE EXCEPT 20-27.9 MHZ RANGE. USED \$59.50

RT-67/GRC RECEIVER-TRANSMITTER SAME AS RT-68 ABOVE EXCEPT 27-38.9 MHZ RANGE. RE-NEW \$75.00

R-108 RECEIVER, SAME AS R-110 REC. ABOVE EXCEPT 20-28 MHZ. USED \$49.50

R-109 RECEIVER, SAME AS R-110 REC. EXCEPT IT COVERS 27-39 MHZ RE-NEW \$65.00

PP-282 POWER SUPPLY 24 VDC FOR R-108, 109 AND R-110 RECEIVERS. PLUGS INSIDE OF RECEIVER. PRICE: USED \$5.95

AC POWER SUPPLY 115 V. 60 CYCLE FOR R-108, 109 AND 110 WITH SPEAKER AND CONNECTING CABLES. (NOT SUPPLUS) SIZE: 5x8x4; 5 LBS \$25.00

AT-249/GRD ANTENNA, UNSHIELDED LOOP TYPE USED AN EFFECTIVE HOMING DEVICE. CONTINUOUSLY TUNEABLE FROM 47 TO 55.4 MHZ WITH BUILT-IN "SENSE" AND "NORMAL" SWITCH. OUTPUT CONTROLLED BY FOUR-STEP ATTENUATOR. SIZE: 20 1/2 x 3 1/2 x 14 1/2 7 LBS. UNUSED W/CARRING BAG \$4.95 MANUAL \$3.00

ACCESSORIES

BATTERY CASE CY 744/PRC.....USED \$3.00
 AT-272A GOOSENECK ANTENNA BASE...NEW \$1.50
 AT-272 RIBBON ANTENNA SECTION...USED \$1.50
 AM-598 SHOCKMOUNT.....USED \$2.00

H-33/PT HANDSET W/UG-77 PLUG AND CABLE, FITS ALL EQUIPMENT IN THE GRC AND VRC SERIES, PLUS MANY OTHERS. PRICES USED \$5.95 NEW \$8.95
 M-29/U MICROPHONE W/UG-77 & CABLE USED \$3.95
 CONNECTOR PLUGS FOR ALL GRC, VRC SERIES UNITS \$2.00 EACH PLUG, DOUBLE PLUG & CABLE \$4.95
 SOME MOUNTINGS AND OTHER ITEMS AVAILABLE FOR THIS EQUIP. TELL US WHAT YOU NEED, PLEASE!

PP-112/GRC 24 VOLT POWER SUPPLY FOR THE RT-66, 67 AND 68 SERIES RECEIVER-TRANSMITTERS. THIS UNIT SUPPLIES ALL THE NECESSARY VOLTAGES FOR THE RECEIVER AND TRANSMITTER CIRCUITS. INCLUDES LOW AND HIGH POWER SWITCH FOR THE TRANSMITTER SECTION. SIZE: 9x13x7 1/2 WT: 38 LBS. USED \$24.95

TECH MANUALS WITH SCHEMATICS FOR:

RT-196/PRC-6...	\$7.50	AM-598.....	\$3.00
PRC-8, 9 & 10...	\$7.50	PP-109 & 112...	\$5.00
RT-66, 67 & 68...	\$5.00	AM-65.....	\$5.00
RT-70.....	\$5.00		
R-108, 109 & 110.....	\$7.50		
AN/GRC-3-8	CONTAINS INFO AND SCHEMATICS FOR RT-66, 67, 68, RT-70, R-108, 109, 110, AM-65 AND PP-109 & 112.....		
			\$8.50

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World Radio History

TV-7/U TUBE TESTER



TV-7/U ELECTRON TUBE TESTER, PORTABLE DYNAMIC MUTUAL CONDUCTANCE TYPE. USED TO TEST AND MEASURE THE PERFORMANCE CAPABILITIES AND TO DETERMINE THE REJECTION LIMITS FOR ELECTRON TUBES USED IN RECEIVERS, LOW-POWER TRANSMITTERS AND IN MANY OTHER ELECTRONIC EQUIPMENT. THE TESTS MADE ARE FOR DYNAMIC MUTUAL CONDUCTANCE, EMISSIONS, SHORTS, GASE, NOISE, CONTINUITY, PILOT LAMP, ETC. TEST SOCKETS ARE FOR 6X4, 6X5, 6X6, 6X8, 6X9, 6X10, 6X11, 6X12, 6X13, 6X14, 6X15, 6X16, 6X17, 6X18, 6X19, 6X20, 6X21, 6X22, 6X23, 6X24, 6X25, 6X26, 6X27, 6X28, 6X29, 6X30, 6X31, 6X32, 6X33, 6X34, 6X35, 6X36, 6X37, 6X38, 6X39, 6X40, 6X41, 6X42, 6X43, 6X44, 6X45, 6X46, 6X47, 6X48, 6X49, 6X50, 6X51, 6X52, 6X53, 6X54, 6X55, 6X56, 6X57, 6X58, 6X59, 6X60, 6X61, 6X62, 6X63, 6X64, 6X65, 6X66, 6X67, 6X68, 6X69, 6X70, 6X71, 6X72, 6X73, 6X74, 6X75, 6X76, 6X77, 6X78, 6X79, 6X80, 6X81, 6X82, 6X83, 6X84, 6X85, 6X86, 6X87, 6X88, 6X89, 6X90, 6X91, 6X92, 6X93, 6X94, 6X95, 6X96, 6X97, 6X98, 6X99, 6X100. WITH SPECIAL ADAPTERS (OPTIONAL) 829, 832, 2C39 AND SUB-MINI TUBES WITH LONG LEADS CAN ALSO BE TESTED. POWER REQUIRED: 115 VOLT, AC TO 1000 CYCLES. TUBE TEST DATA CHARTS, TEST LEADS AND PIN STRAIGHTENERS FOR 7 AND 9 PIN ARE INCLUDED. SIZE: 6 1/2" x 5 1/2" x 1 1/2"; WT: 20 LBS. PRICE: USED SERVICEABLE \$19.95 CHECKED \$25.00 ADAPTER FOR 2C39 \$5; FOR 829/832 \$5; FOR SUB-MINI LG. LEAD \$3.00

COLLINS TRANSCEIVER

COLLINS 618S-1 TRANSCEIVER. 2 TO 25 MC A.W. & C.W. 100 WATTS ON TRANSMITTER, CRYSTAL CONTROL 144 CHAN. USING CR-18/U CRYSTAL HOL. SAME CRYSTAL USED FOR REC. & TRANS., CROSSBAND OPER. POSSIBLE BY CHANGING FREQ. SEL. PLUG-IN TYPE MODULE UNITS ARE USED FOR BOTH REC. & TRANS. WITH TUBES 3/5654, 2/5781, 4/5686, 1/442, 8/5749, 3/5726, 4/5750, 2/5814, 3/6159 AND GERMANIUM CRYSTALS 8/1498 & 1/1458. THE POWER WAS NORMALLY SUPPLIED FROM 28 VDC DYNAMOTOR & 115 VOLT 400 CYC. THE APPROX. VOLTAGES NEEDED FOR 60 CYCLE OPER. ARE 600 VDC, 250 VDC, -50 -65 VDC AND 6.3 V. AND 115 V. 400 CYCLE FOR THE SELSYN T-AT IS MOUNTED TO THE P.A. INDUCTOR COIL. SIZE: 15 1/2" x 8" x 2 3/4"; WT: 60 LBS. PRICE: USED \$85.

TRANSCEIVER H.F. TUNER FOR COLLINS 618S-1. THIS SUBASSY. CONTAINS 1ST & 2ND R.F. AMP, 1ST & 2ND REC. MIXER, 1ST & 2ND TRANS. MIXER, I.F. AMP, DISCRIMINATOR, MULTIPLIER AND 2 DRIVER CIRCUITS. WITH TUBES 2/5654, 3/5749, 4/5750 & 2/5686. TUNING IS DONE BY THE SLUGS MOVING IN AND OUT OF THE COILS, FREQ. RANGE 2-25 MC. SIZE: 8" x 7" x 6 1/2"; WT: 10 LBS. #5821-547-5718/618S-1 PRICE: USED \$14.95

MODULATOR FOR COLLINS 618S-1 AUDIO DRIVE AND MODULATOR USES 2/6159, 1/5751, 1/5814 & 1/5726 TUBES. MODULATION TRANSFORMER INPUT 5500 OHM 300 V RMS, OUTPUT 485 2000 OHM 3000 V RMS OR 7 200 OHM 750 V RMS. MODULATION TRANSFORMER IS NOT PART OF THIS SUB-ASSEMBLY. SIZE: 4 1/2" x 8" x 6"; WT: 4 LBS. #5821-505-3599/618S-1 PRICE: USED \$7.95

POWER AMPLIFIER 618S-1 COLLINS TRANSMITTER WITH VARIABLE INDUCTOR COIL 12.8 FT. #14 WIRE 27 TURNS, APPROX. 100 WATTS FOR 2 TO 25 MC. COIL IS ROTATED BY 115 V. 400 CYC SELSYN CONT. MOTOR, USES 3/6159 TUBES ALSO LARGE CERAMIC ROTARY SW. COILS, CHOKES ETC. SIZE: 11" x 5" x 6"; WT: 10 LBS. #5821-547-3496/618S-1 PRICE: LESS TUBES \$14.95 WITH TUBES \$18.50 SCHEMATICS FOR 618S SUB-ASSEMBLIES EACH \$1.00 MATING CONNECTORS " " " EACH \$1.50

WIND MEASURING SET



AN/FM-3A WIND MEASURING SET: GIVES VISUAL INDICATIONS OF WIND DIRECTION THROUGH 360 DEG. AND OF WIND SPEED FROM 0 TO 60 KNOTS. THIS IS A LIGHTWEIGHT HANDHELD UNIT. THE WIND TURBINE IN THE WIND SPEED TRANSMITTER DRIVES A A.C. GENERATOR WHICH GIVES A READING ON THE 2 1/2" VOLTMETER IN KNOTS. THE ANEMOMETER WIND VANE HAS A POINTER & INDEX WHICH INDICATES WIND DIRECTION ON A CIRCULAR DIAL AND IS EQUIPPED WITH A VANE LOCKING DEVICE SO THE READING MAY BE RETAINED FOR REFERENCE. SIZE: 19 1/2" x 10" x 6 1/2"; WT: NET 10 1/2 LBS. SHIPPED IN STEEL CARRIAGE CASE 22" x 11 1/2" x 8, 20" PRICE: USED EXCELLENT \$45.00 MANUAL ONLY \$5 T-321 WIND TRANSMITTER & GENERATOR ONLY \$10 ML-447 WIND TAIL VANE ONLY \$5

ELECTRONIC MULTIMETER



TS-505/U ELECTRONIC MULTIMETER: PORTABLE VACUUM TUBE VOLTMETER AND DC OHMMETER DESIGNED TO MEASURE AC AND DC VOLTAGES AND RESISTANCE. AC METER IS PEAK INDICATING HOWEVER, IT IS CALIBRATED TO READ RMS VOLT. POWER REQ. 115 V 50-1500 CYC AND TWO 1.5 V. BATT. FOR OHMMETER SECTION. FREQ. RANGE 30 CYC TO 500 MC. AC RMS VOLTS RANGES 0-2.4/10/20/40/100 & 200 DC VOLTS RANGES 0-2.4/10/40/100/200/400/1000 RESISTANCE OHMS RANGES 0-1000 MEGOHMS, 7 RANGES WITH AC RECTIFIER PROBE AND A DC PROBE. HANDLE IS USED FOR ADJUSTABLE STAND, EASY USE. SIZE: 11 1/2" x 13" x 1 1/2"; WT: 20 LBS. PRICE: USED SERVICEABLE \$35.00 CHECKED \$40.00

F S K MODULATOR

MD-283/GR MODULATOR FOR TRANSMITTER. PROVIDES FOR CONVERSION OF CW SIGNALS INTO FREQ. SHIFTED RADIO TELETYPE SIGNALS BY INTRODUCING SELECTABLE AMTS. OF FREQ. SHIFT INTO THE EXCITER CIRCUIT OF THE TRANS. SHIFT MAGNITUDE 850, 45, 212 OR 106 CYCLE SEL. MANUALLY FROM FRONT PANEL. DESIGNED FOR USE WITH T-195/GRC 19 TRANS. CAN BE USED WITH ANY TRANSMITT. HAVING AN EXCITER OUTPUT WITH A FUNDAMENTAL FREQ. RANGE OF 1.5 TO 3 MC. AND A MINIMUM OUTPUT OF 1 VOLT. POWER REQ. 27.5 VDC @ 1.8 AMPS WITH TUBES 1/26A7, 5/26A6 AND 1/2606. SIZE: 9 1/2" x 7 1/2" x 1 3/4"; WT: 25 LBS. PRICE: USED \$17.95

FSK CONVERTER

CV-278 FREQUENCY SHIFT CONVERTER. USED TO CONVERT FREQUENCY SHIFT SIGNALS TO NEUTRAL OR POLAR MARK 1NG OR DC IMPULSES. THE FREQ. SHIFT-KEYED (FSK) SIGNALS ARE RECEIVED FROM THE I.F. OF THE RECEIVER WITH A RANGE OF 450 TO 500 MC AND ARE CONVERTED TO DC IMPULSES AND USED FOR OPERATION OF TELETYPEWRITER OR REPERFORATOR MACHINES. CRYSTAL CONTROL, BAND WIDTH 1500 CPS. WITH TUBES 2/26A6, 1/26A7, DIODES 1/1N63, 2/1N69. VOLTAGE REQ. 28 VDC @ 2.0 AMPS. SIG. INPUT METEF 0-100 & DISC. 50-0-50 1-3/4" MICROAMP. SIZE: 9 1/2" x 1 1/2" x 7 1/2"; WT: 23 LBS. USED \$24.50 CONNECTOR PLUGS FOR INPUT OR OUTPUT \$2.00

AUTO-RACE-PACK BY VARNEY. TCV TRANSFORMER USED TO POWER MINIATURE SLOT-CAR RACERS. 115 VOLT 60 CYCLE INPUT WITH A 12 VOLT DC ONE AMP. OUTPUT. INCLUDES TWO CIRCUITS, ON-OFF SWITCH, AND 5 1/2 FT. CORD. PRICE: \$2.95 SIZE: 5" x 3 1/2" x 2 1/2" WT: 3 LBS.

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D.C. MICROAMPS.

0-200 D.C. MICRO-AMPERES, 3 1/2" ROUND, CENTER ADJUSTMENT. USED WE#167807 \$4.95

0-300 D.C. MICROAMPERES 2 1/2" ROUND, RUGGEDIZED, BLK FACE, HICKOK 56R. #6625-668-9286 NEW \$4.95

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1-3/3-10 MICROVOLT AND 5-50% MODULATION SCALE, FS-100 MICRDAMP. 2 1/2" ROUND RUGGEDIZED. GAR260/219 N \$4.95

OTHER SCALE AVAILABLE. ADVISE US OF YOUR NEEDS.

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0-15 DCA SCALE, 2 1/2" SQUARE, SIMPSON #127; 6625-813-5691 NEW \$3.95

0-30 DCA SCALE, 2 1/2" ROUND TRIPOLET 221T/3F1030-22 NEW \$3.95

0-5 DCA SCALE, 2 1/2" SQUARE, EMICO RF2C-2202; #6625-909-0433. NEW \$3.95

0-150 D.A. SCALE, 2 1/2" RD. FS=15 MA. MOVEMENT. WEST.#12056528 USED \$1.95

OTHER SCALES AVAILABLE, ADVISE US OF YOUR NEEDS

1-139 TEST METER FOR SCR-522 RADIO USED FOR ALIGNMENT & SETTING CHANNELS 0-1 MA W/TER WITH CORD & PLUG. SIZE: 3x3x2 WT: 2LB. \$6.95

D.C. MILLIAMPS D.C. VOLTMETERS

0-200 MADC SCALE, 2 1/2" ROUND, DEJUR S-210/MR2500DCMA USED \$2.95

0-200 MADC SCALE, 3 1/2" ROUND, GE#D0-41/CG-22063 NEW \$4.95

0-200 MADC SCALE, 3 1/2" SQUARE, WESTON 301/9237 NEW \$4.95

0-15 MADC SCALE WITH EXT. SHUNT SUPPLIED FOR 0-300 MA DC SCALE, 3 1/2" ROUND. SIMPSON #3F901E5 NEW \$5.95

0-80 MADC SCALE, 2 1/2" ROUND; RUGGEDIZED; HICKOK OR MARION MFG. #6625-539-8274 NEW \$4.95

0-5/10/50 GRID BIAS VOLT SC 0-1 MA. MOVE. D.C. RUGGEDIZED VARIOUS MFG.#MEB-1001 \$3.95

0-500 MADC SCALE, 2 1/2" ROUND VARIOUS MFG. NEW \$5.95

0-50 MADC SCALE, 3 1/2" ROUND WESTON 301 USED \$4.95

0-25 MADC SCALE, 0-1 MA. MOVE. RUGGEDIZED, BLK, FACE WESTON #1521/GA-52832 USED \$4.95

3 1/2" ROUND RUGGEDIZED MA DC METERS. NEW. SELECT RANGE: 0-100 MADC #4265 \$5.95 150-0-150 MADC #3498 \$5.95

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DC MILLIAMPER 2 1/2" 0-15 & 0-300 SC. 0-300 SC. USE EXT. SHUNT .35 OHM USED W/RC-669 VARIOUS MFG. STK#3F930-14 \$4.95

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0-3-10-30-100 VAC SCALES(4) 2 1/2" ROUND, RUGGEDIZED, SEAL ED, FS=1.5 VAC#210-07231 UNUSED \$4.95

0-300 VAC SCALE, 2 1/2" ROUND WESTON RUGGEDIZED, DIRECT READING. #3F8300-72 N. \$3.95

WESTON VAC SCALES, 3 1/2" RD. 0-10 0-50 0-75 0-80 MODEL 301/476 SPECIFY RANGE DESIRED. USED \$4.95

0-50 V 1000 CYC. SCALE, 3 1/2" ROUND GE#VAT4M50 USED \$4.95

MANY OTHER RANGES IN STOCK 0-1 TO 0-50, 3 1/2" RD OR SQ ALSO 2 1/2" SPECIFY SIZE & RANGE. 2 1/2" USED \$2.95; NEW \$3.95; 3 1/2" " \$3.95 N \$4.95

380 TO 420 CYCLES SCALE, 115 VOLT COILS, 5 1/2" ROUND, FOR USE WITH EXT. REACTOR. WESTH.#DY/724979 USED \$7.95

0-150-300 VAC 400 CYC, 3 1/2" RD., RUGGEDIZED, WESTON 1534 EXTERNAL RES. FOR HIGH RANGE #6625-851-7278 NEW \$5.95

0-50 VDC SCALE, 2 1/2" ROUND, MARKHAM, RUGGEDIZED SEALED MR265050DCV UNUSED \$3.95

0-20 VDC SCALE, 3 1/2" ROUND, RUGGEDIZED; WACLINE 3044; #6625-580-9626 NEW \$5.95

0-15 AC-DC VOLTS SCALE, 2 1/2" ROUND, VARIOUS MFG. D.C. TYPE IS-122 USED \$2.95

0-75 VDC SCALE, 3" RD. PROJ ECTION TYPE, WESTON 301 1000 OHMS PER V.#248-7207 NEW \$5.95

0-1.5 VDC SCALE, 2 1/2" ROUND PHASTRON, RUGGEDIZED #683-9729 UNUSED \$4.95

0-500 VDC SCALE, 3 1/2" SQUARE HONEYWELL #231-1624 UNUSED \$5.95

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0-50 VDC SCALE, 4x4 1/2" SQUARE 1000 OHMS P/V SIMPSON DRA# 38546 USED \$5.95

0-100 VDC SCALE, 3 1/2" ROUND FS=100 V. BURLINGTON#431/MR35W USED \$4.95

0-150 VDC SCALE, 3 1/2" ROUND GENERAL ELECTRIC D0-41 USED \$4.95

0-300 VDC SCALE; 2 1/2" ROUND; RUGGEDIZED; BLACK FACE; WACLINE 80056 NEW \$4.95

0-15 & 0-600 VDC SCALE, 2 1/2" ROUND, FS=1 MA. VARIOUS MFG. PC-90609C/3F6299 NEW \$3.95

FRAHM FREQUENCY METERS 3 1/2" ROUND; 100-150 VOLTS

58-62 CYCLES; CALIBRATED TO # CYCLE; 3 1/2" DEEP; #4966 NEW \$12.95

48-52 and 58-62 CYCLES; CAL. TO 1 CYC. 3 1/2" DEEP; #4959 NEW \$15.00

380-420 CYCLES; CALIBRATED TO 2 CYC. 2 1/2" DEEP; #FRM-400 USED \$8.95

JBT 58-62 CYCLES; CAL. TO 1 CYC. 100-130V.; 3 1/2x2 1/2" RD. #34-FX-11-Z NEW \$9.95

R.F. AMMETERS

0-100 SCALE, FULL SCALE 1.2 MA. MOVE. 2 1/2" DIA. USED WITH BC-604/684. GE-DW-52 3F910-7 USED \$1.95 NEW \$2.95

WESTON USED \$2.95 NEW \$3.95 THERMOCOUPLE FOR DIRECT READING SCALE \$1.00

0-150 RF MA SCALE, 2 1/2" ROUND SIMPSON, RUGGEDIZED 3F917-56/6625-668-5848 NEW \$5.95

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CHOICE OF SCALES R.F.A. 2 1/2" ROUND 0-5 0-9 0-10 USED \$3.95 SPECIFY OTHER R.F. METERS IN STOCK SPECIFY SIZE AND RANGE.



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WHERE ON THE DIAL. IF THE CURRENT FALLS TO THIS POINT IT CLOSSES A CONTACT THAT CAN ACTUATE THE WARNING DEVICE SUCH AS RELAY, BELL ETC PLASTIC CASE 2 1/2" FACE. N.M. #23399 0-1 DCMA #23665 0-100 DC MICROAMPS. USED \$8.95 SPECIFY TV



TS-352 MULTIMETER REPLACEMENT METER 4 1/2" FULL SCALE 50 MICROAMPERES. RUGGEDIZED SLE

SCALES 0-3000 OHMS, 0-2.5/5/10 D.C. 0-2.5/5/10 A.C. #6625-669-0345 NEW \$8.95 MX-8158/U MULTIPLIER KIT FOR TS-352 MULTIMETER \$3.



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TOP SCALE 0-500, LOWER 0-10 #300-10764 UNUSED \$3.95



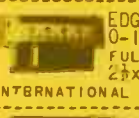
BALLENTINE V.T.V.M. METER ONLY AC VOLTS 1-10 DECIBELS 0-20 WESTON 643 4 1/2" OR EQ.

MFG. PT. NO. 205007 NEW STK#6625-557-0899 \$8.95



0-100 D.C. MA 270 DEG. SC. 3 1/2" FS-100MV WITH SHUNT WESTON 1539 #6625-839-0626

P/N206-1783-56 NEW \$7.95

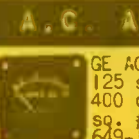


EDGE-WISE METER 0-100 D.C. MA. FULL SCALE 20 MA 2 1/2x3 1/2x3/4 FACE INTERNATIONAL 1135ULB \$5.95



MATCHED METERS CHROME PLATED 2 1/2" SQUARE, 2" HOLE MTG. 0-30 VOLTS DC #1046A-12 \$1.95

DC AMPERES 400-0-400 SCALE INDUCTION TYPE MOVEMENT. #1696-1B \$1.95



GE AC AMMETER 0-125 SCALE 0-1 A 400 CYCLE MOVE. 2" SQ. #2319-6625-649-1982 NEW \$3.95

0-5 AC AMMETER, 3 1/2" ROUND, RUGGEDIZED; WESTON 1534 #6625-649-4076 NEW \$5.95

0-150 ACA SIMPSON NEW MODEL 56 3 1/2" RD. \$5.95 MODEL 57 3" sq. \$5.95

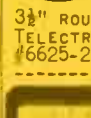
OTHER SCALES AVAILABLE, ADVISE US OF YOUR NEEDS.



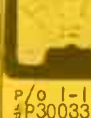
100-0-100 DC VOLT 300-0-300 DC VOLT SCALES WITH SHUNTS AND INSTRUCTIONS 3 1/2" GL-D0-41RAA4 NEW \$4.95



500 MICROAMP DC MOVE. FACE MARKED "SET TO RED LINE" LIKE LEFT CENTER MARKED "6 V" TOP "150 V" BOTTOM. 3 1/2" ROUND SEALED, RUGGEDIZ. TELECTRO TM-263. #6625-255-0121 NEW \$6.95



425 MICROAMPERE D.C. 4x4 1/2" SCALE, TOP 0-60 BOTTOM 0-3/15/60 MARKED ACV DCV AND MILLIAMPERES. P/O 1-135E TEST SET, M-1 #P30033 USED \$6.95



0-1 MADC SCALE, 1 1/2" SQUARE, SEALED RUGGEDIZED. MARION ELECTRIC. #MR13W00DCMA RE-MOVED NEW \$4.95



PHASTRON CLEAR PLASTIC CASE 50 MICRO AMP D.C. 0-5 SCALE 3 1/2" #715-16-20 \$4.95 NEW



500 MICROAMPS. D.C. RES. 300 OHM DC. 1 1/2" SQ. 1-3/8" MTG. DEJUR MOD. 112 STK#3F3312-6.6 \$4.95



SELSYN METER FOR CHECKING LEAD AND LAG. TERMINALS FOR 115 VOLT A.C. AND FROM SEL SYN. 4 1/2" DIA. WESTON 543/245620 U \$6.95



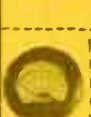
MULTIMETER USED TO TEST AIRCRAFT CIRCUITS. FULL-SCALE 100 UA, 1100 OHMS 10% 4x4 1/2x5 WT. 3 LBS USAF-5200-474900 \$4.95



MICROMHOS DYNAMIC MUTUAL CONDUCTANCE USED IN I-177 TUBE CHECKER BASIC 0-1.4 MA. HICKOK #M547A STK# 3F1350 \$4.95



INTERNATIONAL SCALE 0-5/25 FS-200 UA, 1 1/2" HOLE MTG. MARK YDS X 1000 \$2.95 NEW #6625-519-7432



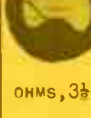
DECIBELS -8 TO 0 TO +6 SC. FS-3.79 VAC, 3 1/2" RD. WEST#BA-33543 USED \$3.95



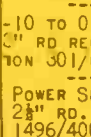
A.C. AMPERES -8 TO 0 TO +6 SC. 6 MILLIWATTS, 600 OHMS, 3 1/2" RD. WESTON 301/21 USED \$3.95



POWER SET #6 TO 0 TO -3 2 1/2" RD. FS-200 UA, WACLINE 1496/400 RUGG/SEAL U \$3.95



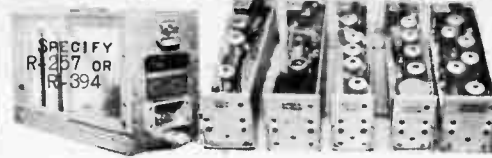
0-10 TO 0 TO +6 6 MA 600 OHM 1 1/2" RD RECTIFIER TYPE; WESTON 301/61; #4087 NEW \$4.95



OTHER SCALES AVAILABLE, ADVISE US OF YOUR NEEDS.



R-394/U RECEIVER F.M. 152-172 MC.
SINGLE CHANNEL CRYSTAL CONTROL DUAL CONVERSION, CRYSTAL FREQ. RANGE 24.033 TO 27.7 THIRD OVERTONE, TYPE CR-32/U, I.F. FREQ. 7.8 MC & 455 KC. 15 KC DEVIATION, OUTPUT IMPEDANCE 8 OHMS, POWER 6 WATTS, SQUELCH AND MUTING CIRC. MODULAR CONSTRUCTION WITH PLUG-IN UNITS FOR EASY SERVICING.
1ST R-F AMPL. UNIT W/TUBES 1/5840 2/1AD4.....LOCAL OSCILLATOR UNIT W/TUBES 2/1AD4, 1/5678, 1/VR31-57831ST I-F 7.8 MC UNIT W/TUBES 3/5678.....2D I-F AND DISCRIMINATOR UNIT WITH TUBES 7/5678.....AUDIO AND SQUELCH UNIT WITH TUBES 1/5672, 1/6AK6 ALSO 455 KC SELECTIVE FILTER UNIT WHICH IS WIRED, NOT PLUG-IN. ILLUSTRATION SHOWS THE PLUG-IN UNIT AND THE COMPARTMENT WHERE THE POWER SUPPLY IS ALSO PLUGGED INTO. COVER IS SUPPLIED AND HELD IN PLACE BY A SPRING LOADED FASTNER. POWER SUPPLIES, CONNECTOR, CONTROL UNIT AND OTHER ITEMS THAT ARE USED WITH THIS SET ARE LISTED ELSEWHERE ON THIS PAGE.
SIZE: 8 1/2 x 5 1/2 x 1 1/2; WT: 19 LBS.
PRICES: USED GOOD CONTITION.....\$14.95
GOV'T RE-CONDITIONED..... 22.50



R-257 OR R-394 RECEIVER CHASSIS ONLY LESS ALL PLUG-IN UNITS AND FILTERS, WITH CONNECTORS & COVER. SHPG. WT: 10 LBS. USED \$4.95
R-257 OR R-394 RECEIVER PLUG-IN UNITS ONLY
MX-1547 RECEIVER RELAY SUBASSEMBLY \$4.95
1ST R.F. AMPL. W/TUBES 1/5840, 2/1AD4 \$3.95
LOCAL OSCILLATOR W/TUBES 2/1AD4, 1/5678 \$4.95
1/VR31-5783 & CRYSTAL. (NO CRYSTAL CHOICE)
2ND I.F. AND DISCRIMINATOR W/ TUBES 5678 \$3.95
1ST I.F. 7.8 MC. W/TUBES 3/5678 & CRYST \$4.95
AUDIO & SQUELCH W/TUBES 3/5678, 1/5672 AND 1/6AK6 \$3.95
SELECTIVE FILTER 455 KC. (NOT SHOWN) \$2.95



C-845/U RADIO SET CONTROL USED WITH R-394, R-257 RECEIVERS AND T-208, T-278 & T-417 TRANSMITTERS. CONTAINS A 3 TUBE MICROPHONE AMPLIFIER WITH A LINE LEVEL METER THAT ENABLES YOU TO ADJUST THE SIGNAL SO THAT IT WILL BE STRONG ENOUGH TO MODULATE THE TRANS. AFTER PASSING THROUGH THE INTEP. 600 OHM LINE. HEAVY DUTY 4" SPEAKER IS PROVIDED FOR MONITORING THE RECEIVER. HAS TONE GENERATOR FOR SIGNALING PURPOSES, SPEAKER VOL. CONT. PILOT LIGHTS FOR POWER AND TRANSMIT. REQUIRES UG-77 PLUG FOR MIC. & PHONE SUCH AS ON H-33/PT HAND SET. (REQUIRES 155VDC 5MA, 160VDC 15MA & 6.3V) PP-846/U 115/230 V. 60 CYC POWER SUPPLY WAS DESIGNED FOR USE WITH THIS UNIT AND MOUNTS INSIDE AND IS AN OPTIONAL ITEM.
SIZE: 8 1/2 x 13 1/2 x 1 3/8; WT: 20 LBS. TUBES 2/12AU7-6AK6
PRICE: USED WITH PP-846 POWER SUPPLY \$29.50



R-257 RECEIVER 25 TO 50 MC FM SAME AS R-394 RECEIVER ONLY DIFFERENT FREQUENCY RANGE. USES ALL THE SAME ACCESSORIES POWER SUPPLIES, TUBES ETC. SAME SIZE AND WEIGHT.
USED \$14.95



VIBRATOR TYPE POWER SUPPLIES FOR USE WITH R-394 & R-257 RECEIVERS. THE OUTPUT OF THE SUPPLIES ARE THE SAME AND ARE
155 VOLTS DC @ 15 MA.
150 " " @ 5 " "
140 " " @ 50 " "
-40 " " @ .5 " "
6.3 " " @ .45 AMPS.
6.3 " " @ 1.0 " "
1.4 " " @ 1.25 " "
PP-867/U 24 VOLTS DC @ 1.1 AMPS USED \$4.95
PP-868/U 12 " " @ 2.0 " " 9.95
PP-869/U 6 " " @ 3.7 " " 6.95
PP-846/U 115/230 v 60 CYC 2 AMPS " 18.95
PP-604 115/230v. 60 CYCLE AC POWER SUPPLY FOR T-417, T-208 AND T-278 TRANSMITTERS. USED \$29.95
C-844/U CONTROL UNIT FOR OPERATION OF RADIO SET FROM REMOTE POINT. USED \$14.95



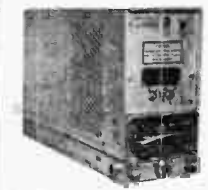
CY-938 ELECTRICAL EQUIPMENT CABINET; USED TO HOUSE RECEIVERS R-394 OR R-257, TRANSMITTERS T-208 OR T-278 AND POWER SUPPLIES DY-93 OR DY-98 OR DY-100 FOR THE TRANSMITTERS. THE UNITS SLIDE IN THE CABINET AND ARE HELD IN PLACE BY A HEAVY TWIST LOCK FASTENER. ELECTRICAL CONNECTIONS ARE MADE THRU THE PLUGS WHICH IN TURN ARE WIRED TO TERMINAL STRIPS BEHIND THE BULKHEAD. CABINET CAN BE MOUNTED IN ANY POSITION AND HAS A REMOVEABLE COVER FRONT AND BACK. (ILLUSTRATION SHOWS CABINET EMPTY AND WITH UNITS IN PLACE.)
SIZE: 17 1/2 x 11 1/2 x 2 1/2; WT: 33 LBS.
PRICES: USED \$7.95 UNUSED \$9.95



T-208/U TRANSMITTER F.M. 25 TO 50 MC 25 WATTS. SINGLE CHANNEL CRYSTAL CONTROL, 15 KC DEVIATION, VOICE ONLY TRANSMISSION. CRYSTAL UNIT CR-27/U, FREQ RANGE 1,562.5 TO 3125 KC. X 16 FOR ALL FREQUENCIES. 100 MV CARBON MIC. WITH TUBES 3/2E24, 1/384, 2/5672 4/5678 & 3/1AD4.
VOLTAGES REQUIRED ARE AS SHOWN WITH DYNAMOTORS DY-93/12 V, DY-98/24 V. DY-100/6 V.
SIZE: 8 1/2 x 4 1/2 x 1 1/2; WT: 11 LBS. USED \$29.95



C-847 RADIO CONTROL BOX; USED TO CONTROL THE SYSTEM, HAS HEAVY ALNICO MAGNET 4" SPEAKER FOR MONITORING REC. CONTROLS FOR SQUELCH, VOLUME ON/OFF SW. PILOT LIGHTS AND RECEPTACLE FOR H-33 HANDSET WHICH HAS UG-77
SIZE: 9 1/2 x 5 1/2 x 3 1/2; WT: 6 LBS. USED \$8.95
H-33/PT HANDSET WITH CORD & UG-77 " 5.95

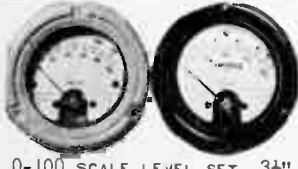


T-278/U TRANSMITTER F.M. 152 TO 174 MC APPROX. 30 WATTS, CRYSTAL CONTROL ON ANY TWO (2) PRESET FREQ. PHASE SHIFT MODULATION 15 KC DEVIATION, CR-27/U CRYSTAL UNIT FREQ. RANGE 4750-5437.5 KC. MULTIPLIED 32 TIMES. WITH TUBES 2/384, 3/2E24, 4/5678, 2/5672 AND 2/1AD4.
VOLTAGES REQUIRED AS SHOWN WITH DY-93 DYNAMOTOR ELSEWHERE ON THIS PAGE. USED \$18.95
SIZE: 8 1/2 x 4 1/2 x 1 1/2; WT: 12 LBS. UNUSED \$24.95
T-278 TRANS. LESS TUBES AND CRYSTAL OVEN \$6
CX-2341 CABLE FOR CONNECTING CONTROL BOX TO CABINET (NO PLUGS ON THIS CABLE) 50¢ PER.FT.

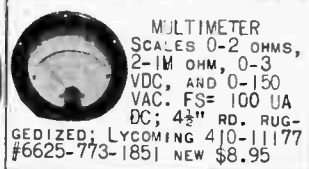
CHASSIS CONNECTORS TO FIT R-394, R-257, T-416 T-278, T-208 & SUPPLIES
TRANSMITTER PLUG P-401 CHASSIS CONNECTOR NO'S J-801, CANNON# DPD-A32C2-33S-2L \$2.50
RECEIVER PLUG R-252; CHASSIS CONNECTOR NO'S J-803, CANNON# DPD-A31C1-33S-2L \$2.50
POWER SUPPLY PLUG P-1203; CHASSIS CONNECTOR NO'S J-802, CANNON# DPD-30-33S-22 \$2.50
UG-77 PLUG ON 4 1/2 FOOT CORD.....\$1.00
H-33/PT HANDSET ON 4 1/2' CORD WITH UG-77 U 5.95



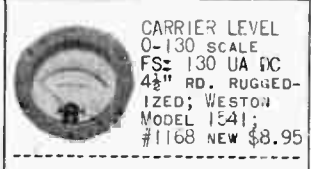
DY-93 DYNAMOTOR POWER SUPPLY
INPUT: 12 VDC @ 20 AMPS.
OUTPUT: 380 VDC @ 180 MA.
225 VDC @ 45 MA.
-25 VDC @ 5 MA.
USED WITH T-208 & T-278 TRANS.
SIZE: 8 1/2 x 7 1/4; WT: 27 LBS.
PRICE: USED \$9.95



0-100 SCALE, LEVEL SET, 3 1/2" FULL SCALE 100 MICROAMP. RUGGEDIZED #7808 NEW \$6.95



MULTIMETER SCALES 0-2 OHMS, 2-1M OHM, 0-3 VDC, AND 0-150 VAC. FS= 100 UA DC; 4 1/2" RD. RUGGEDIZED; LYCOMING 410-11177 #6625-773-1851 NEW \$8.95



CARRIER LEVEL 0-130 SCALE FS= 130 UA DC 4 1/2" RD. RUGGEDIZED; WESTON MODEL 1541; #1168 NEW \$8.95



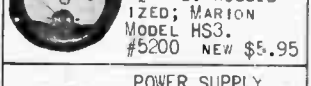
CX-2371 CABLE ASSEMBLY USED FOR CONNECTING R-394, R-257, T-208, T-278, T-416 OR OTHER UNITS OF THIS SERIES TO THE CABINETS SO THEY CAN BE TESTED OUTSIDE OF THE CABINET. LENGTH 7 FT. 3 LBS. \$10.00



D.C. AMPERES 0-100 & 0-200 SCALE, 3 1/2" FULL SCALE 50 MV RUGGEDIZED #5338 NEW \$6.95



0-150 AND 0-500 VOLTS D.C. SCALES, CLEAR PLASTIC FACE METAL BACK, 2 1/2" A1617B NEW \$2.95

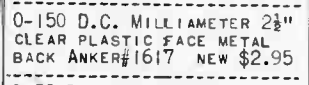


GO - NO GO SCALE FULL SCALE 1 MA. 3 1/2" RD. RUGGEDIZED; MARION MODEL HS3. #5200 NEW \$5.95

RECEIVER 105 TO 100, MC
R-516/URR-27 RECEIVER U.H.F. 105 TO 190 MC CONTINUOUS TUNING OVER THE ENTIRE RANGE, CRYSTAL CONTROL ON ONE PREDETERMINED FREQUENCY, AM, MCW & TONE RECEPTION, 18.6 MC, IF WIDTH. SCANNING PROVISIONS FOR PAN-ADAPTER 600 KC BANDWIDTH, INPUT IMP. 51 OHMS, AUDIO 60 MW INTO 600 OHM OR 500 MW INTO 60 OHM, PHONE JACK 60 MW MAX. INTO 600 OHM. BENCH OR RACK MOUNTING. POWER REQ. 115 V. 60 CYCLE. SIZE: 8 1/2 x 17 1/2 x 1 1/2; 65 LBS. PRICE: USED SERVICEABLE \$125.00 CHECKED \$25.00 EXTRA.



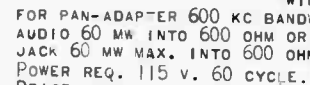
0-50 A.C. AMPERES SCALE 2 1/2" FULL SCALE 47 MA. USED ROBERTS 423-74R1 \$3.95



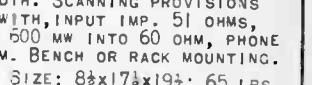
0-150 D.C. MILLIAMMETER 2 1/2" CLEAR PLASTIC FACE METAL BACK ANKER#1617 NEW \$2.95



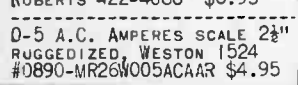
POWER SUPPLY METER W/6%, 10% AND 20% SCALE. FS= 50 UA DC. 4 1/2" RD. RUGGEDIZED. WESTON 1541; #S71449 NEW \$7.95



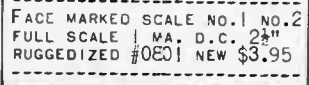
VSWR SCALE: FS= 50 UA DC. 3 1/2" RD. RUGGEDIZED; HICKOK MODEL 46R; #835-7082 NEW \$5.95



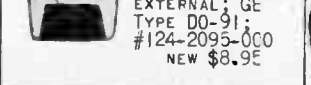
FULL SCALE= 1MA 3 1/2" RD. RUGGEDIZED; MARION MODEL HS3X; #0350 NEW \$5.95



0-5 A.C. AMPERES SCALE 2 1/2" RUGGEDIZED, WESTON 1524 #0890-MR26W005ACAAR \$4.95



FACE MARKED SCALE NO. 1 NO. 2 FULL SCALE 1 MA. D.C. 2 1/2" RUGGEDIZED #0E01 NEW \$3.95



0-150 DC AMMETER; FS= 50 MV; 3 1/2" sq.; SHUNT EXTERNAL; GE TYPE DO-91; #124-2095-000 NEW \$8.95

BC & ARC COMMAND SETS

THE COMMAND SET SERIES OF TRANSMITTERS AND RECEIVERS HAVE BEEN POPULAR FOR MANY YEARS ON THE SUPPLUS MARKET.

THE SERIES CONSISTS OF SEVERAL SEPERATE UNITS COVERING THE FREQUENCY RANGE OF 190 KC TO 9.1 MC FOR THE RECEIVERS AND 2.1 TO 9.1 MC FOR THE TRANSMITTERS.

IF YOU ARE NOT FAMILIAR WITH THE CONVERSION OF THIS EQUIPMENT IT IS SUGGESTED THAT YOU PURCHASE CONVERSION MANUAL COVERING THE SET.

CQ SURPLUS CONVERSION MANUAL, WHICH INCLUDES COMMAND SETS IS AVAILABLE FROM US FOR \$3.00 (FOR OTHER CONVERSION MANUALS SEE PAGE 21)

THE RECEIVERS ARE SIX TUBE SUPERHETRODYNE WITH THE FOLLOWING TUBE LINE-UP; 1/12A6, 1/12K8, 3/12SK7 & 1/12SR7.

DESIGNED TO OPERATE WITH THE USE OF A DM-32 24 VOLT D.C DYNAMOTOR WITH A OUTPUT VOLTAGE OF 250 VDC @ 60 MA. ALSO REQUIRES 24 VOLTS FOR FILAMENTS. THE SET WAS TUNED FROM A REMOTE POSITION BY THE USE OF A FLEXIBLE SHAFT AND CONTROL BOX. SIZE: 5x5x11; WT: 12 LBS.

BC-453 190 TO 550 KC USED \$16.95

BC-455 6.0 TO 9.1 MC USED 14.95
R-25/ARC 1.5 TO 3.0 MC UNUSED \$22.95

R-28/ARC-5 100 TO 156 MC CRYSTAL CONTROL ON FOUR PRE-SET CHANNELS WITH 24 VDC MOTOR, NOT CONTINUOUS TUNING. USES SAME VOLTAGE BUT DIFFERENT TUBES. SEE CONVERSION MANUAL FOR DETAILS TO MAKE CONTINUOUS TUNING. USED \$18.95

THE TRANSMITTERS WITH PROPER USE CAN PUT OUT 50 WATTS CW AND 30 WATTS ON PHONE. MODULATION IS OBTAINED FROM SEPARATE UNITS, BC-456 FOR SINGLE TUBE MDD. AND MD-7 FOR PUSH-PULL MOD. THE DM-33 DYNAMOTOR IS USED TO SUPPLY THE VOLTAGES AND IS MOUNTED ON THE MODULATOR. VOLTAGES REQUIRED 575-600 VDC @ 175-200 MA. AND 24 VOLTS. WITH TUBES 2/1625, 1/1626 & 1/1629 MAGIC EYE TUBE FOR TUNING & AND CRYSTAL FOR CALIBRATION. SIZE: 5x7x12; 12L



CBY 52232 NAVY TRANS. 2.1 TO 3 MC NEW \$14.95

BC-696 3 TO 4 MC GOVT RECONDITIONED 14.95

T-20/ARC-5 4.0 TO 5.3 MC USED \$6.95 NEW 9.95

T-21/ARC-5 5.3 TO 7.0 " " 6.95 NEW 9.95

T-23/ARC-5 100 TO 156 MC AM USING 832 TUBES (2) AND 1625 (2), FOUR PRE-SET CRYSTAL CONTROL CHANNELS. COMPANION TO R-28 REC. FOR CONVERSION SEE CC MANUAL. \$24.95

BC-456 MODULATOR FOR USE WITH COMMAND TRANSMITTERS, SINGLE TUBE MODULATION WITH TUBES 1/1625, 1/12J5GT AND 1/VR-150. HAS PROVISION FOR MOUNTING DM-33 DYNAMOTOR. SIZE: 7x8x10; WT: 11 LBS. U. \$3.95

MD-7/ARC-5 MODULATOR SAME AS BC-456 ONLY USES 2/1625 TUBES IN PUSH-PULL FOR 40 TO 60 WATTS. USED L/COVER \$9.95

COMMAND RECEIVER AC POWER SUPPLY SEE PAGE 20

SPIN TUNING KNOB FOR RECEIVERS \$1.00

DM-32 DYNAMOTOR 24 V FOR REC. UNUSED 4.95

35x032 " 12 V " " 4.95

C-26/ARC CONTROL BOX FOR ONE REC. USED 2.00

BC-496 " " " TWO " " 1.95

BC-450 " " " THREE " " 2.50

BC-451 " " " ONE TRANS. " 1.95

BC-473 " " " ONE REC. " 2.00

CONNECTOR PLUGS F/REC. OR TRANS. " 1.50

FLEXIBLE SHAFTS MC-215 FOR COMMAND EQUIPMENT 6 FT. \$1.50 EACH ADDITIONAL FT. 25¢ EXTRA.

MC-215 FLEXIBLE SHAFTS AND SMALL SPLINE FOR COMMAND TYPE RECEIVERS; 20 FT. KIT, NOT MADE-UP \$3.95
SPLINE & NUT FITS COMMAND TYPE RECEIVERS AS USED ON MC-215 AND SPIN KNOBS. \$1.50
FT-234 ONE TRANSMITTER RACK \$2.00
MT-68 " " SHOCKMOUNT 1.50
FT-226 TWO TRANSMITTER RACK 2.50
FT-227 " " SHOCKMOUNT 2.00

RECEIVERS & TRANSMITTERS



BC-620 RECEIVER TRANSMITTER F.M. 20 TO 27.9 MC. CRYSTAL CONTROL ON ANY TWO PRESELECTED FREQ. IN THE RANGE. USES FT-243 CRYSTALS, ONE SUPPLIE POWER OUTPUT APPROX. 3 WATTS WITH PHONE & MIC JACKS, (NO SPEAKER) TEST METER, VOLUME CONTROL, SELECTOR SWITCH ETC

WITH TUBES 1/1LC6, 1/1LH4, 1/1LN5, 4/1R4/1294. 2/3B7 & 4/3D6/1299 AND PE-97 POWER SUPPLY THAT OPERATES FROM 6 OR 12 VOLTS D.C. W/CABLE SIZE: REC. TRANS. ONLY 15x13x7; WT: 30 LBS. PE-97 POWER SUPP. 15x13x7; WT: 20 LBS. THE REC.-TRANS. IS MOUNTED ON TOP OF THE POWER SUPPLY AND IS HELD THERE WITH HASPS. PRICE: BC-620 & PE-97 RE-NEW \$19.95

AN-4E TELESCOPING ANTENNA FOR MOUNTING ON REAR OF BC-620, 98 3/4" LG. NEW..... 1.95

FT-250 SHOCKMOUNTING BASE F/ BC-620 & PE-97 TO-GETHER OR SEPARATELY \$5.00

CD-509 CORD EXTENSION 8 FT. USED WHEN P.S IS TO BE USED AWAY FROM BC-620. 2.75

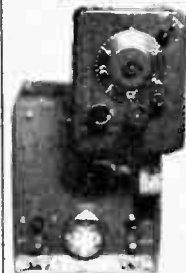
CS-79 BATTERY CASE SAME SIZE AS PE-97 USED WITH BC-620 WHEN DRY CELLS /USED \$1.50

TS-13 HANDSET, CARBON MIC. W/PLUGS " 4.95

T-24 MICROPHONE CARBON RE-NEW 4.95

SPARE TUBES FOR BC-620 NEW BOXED EACH .75

BROADCAST RECEIVER



R-22 RECEIVER 550 TO 1500 KC AM, ONE BAND CONTINUOUS TUNING, NO DIAL (SEE BELOW FOR CONTROL BOX) WITH TUBES 2/1A7, 1/14S7, 1/14R7, 1/14F7 AND 1/12A6. VOLTAGES REQUIRED 250-290 VDC @ 50-90MA. AND 24 VOLTS. SIZE: 6x5x11 1/2; WT: 10 LBS. PRICE: NEW \$22.50

CONTROL BOX FOR RECEIVER WITH ADAPTER THAT CAN BE USED ON ANY RECEIVER OF THIS TYPE. SCALE WILL HAVE TO BE CHANGED C-26 CONT. BOX W/ADAPTER \$4.



BC-348 RECEIVER A.M. SIX BANDS 200-500 KC & 1.5-18 MC. CRYSTAL PHASING, ANTENNA ALIGN, BEAT OSC., & AUDIO GAIN CONTROLS, VERNIER & SPEED TUNING, AVC, M.V.C, PHONE AND C.W. PHONE & SPEAKER JACKS, LARGE ILLUM. DIAL. WITH TUBES 4/6SK7, 6SJ7, 6SA7, 6SR7 & 6K6. VOLTAGES REQUIRE 220 VDC @ 70 MA. & 24 V.

SIZE: 18x10x9 1/2; WT: 40 LBS. PRICES LESS DYN. PRICES: USED CHECKED \$79.50 NOT CHECKED \$60. DM-28 DYNAMOTOR 28 VOLT D.C USED \$4.95 115 V. 60 CYC POWER SUPP. W/SPEAKER \$21.00 FT-154 SHOCK MOUNTING \$2.75 PL-103C PLUG FOR REAR OF RECEIVER 2.50

TEST UNIT

H-19 TEST UNIT FOR ARC-12 TRANSMITTERS AND RECEIVERS. CHECKS TRANS. CRYSTAL, T-11, T-13, T-21, T-23, T-20, T-22 . REC. TUNING SEC. WITH DIALS FOR RANGES 118-148, 520-1.5, 190-550 AND 108-135 MC. RUGGEDIZED METER 200 MICRO AMP 0-30 SCALE 2 1/2", TEL & MIC JACK, COAX. CONN. FOR REC. TRANS. LOOP. CIRCUIT BREAKER ON/OFF SW. 20 POS. SELECTOR SW. AND 6 POS. VOL. CONT. RELAY ETC. CAN ALSO BE USED FOR CONTROL OF TRANS./REC. SIZE: 7x5x3; WT: 5 LBS. UNUSED PRICE: \$7.95



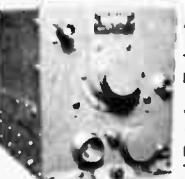
R-508/R-19/ARC RECEIVER 118 TO 148 MC. AM, 15 MC 1.F WITH TUBES 3/9003, 1/9002, 2/1A7, 1/14F7 AND 1/12A6, VOLTAGE REQUIRED 24-28 V FOR LOW, 250 VDC @ 60 MA. FOR HIGH VOLTAGE NO DIAL, DESIGNED FOR REMOTE TUNING. SIZE: 6x5x11 1/2; WT: 10 LBS. USED \$18.95

COMMUNICATION RECEIVER



RCAF GR-10 COMMUN CATION RECEIVER, 10 VOLT 25-60 CYC. 6 BANDS, 195 TO 410 KC AND 1400 TO 31000 KC., ELECTRIC BAND SPREAD, VAR. SELECTIVITY, ADJ. CRYSTAL FILTERS, NOISE LIMITER, AVC, CARRIER STRENGTH METER, CRYSTAL CONTROL ON ANY ONE FREQ. TO 6.8 MC. TEMP. AND VOLTAGE REG. OF OSCILLATOR, SENSITIVITY BETTER THAN 5 MIC. V. 2:1 SIG. TO NOISE RATIO. MAX. UNDISTORTED OUTPUT 3 WATTS. WITH TUBES 6/6SK7, 1/6K8, 1/6SJ7, 1/6H6, 1/6SQ7, 1/6F6G, 1/5Y3G & 1/VR-105. BEAT FREQ. OSC. CONTROL AND PROV. FOR SPEAKER AND HEADSET. SIZE: 10x20x11 1/2; WT: 85 LBS. (CABINET DESIGN MAY VARY) USED COMPLETE, NEED REPAIR FOR RACK MOUNTING \$50.00 WITH CABINET 60.00

RECEIVER 108-135 MC



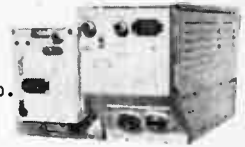
AIRCRAFT RADIO RECEIVER VHF 108 TO 135 MC AM, CONTINUOUS TUNING, NO DIAL ON RECEIVER DESIGNED FOR REMOTE USE 15 MC. I.F. REQUIRES 24/28 VOLTS FOR FILAMENT AND 250 VDC 60 MA. HV. HAS FACILITY FOR MOUNTING DYNAMOTOR ON THE REAR SUCH AS D-10/DM-32 WITH TUBES 3/9003, 1/9002, 2/14R7, 1/14A7, 1/14F7 & 1/12A6. HAS PHONE OUTPUT JACK ON THE FRONT ALSO INPUT & OUTPUT PL

SIZE: 6x5x11 1/2; WT: 10 LBS. R-15 RECEIVER NO SQUELCH USED \$16.95 R-509/ARC RECEIVER WITH SQUELCH, USED \$19.95 SPIN TUNING KNOB FOR LOCAL USE \$1.00 UG-88/U COAX. CONN. FOR ANTENNA USED \$1.30

VHF RECEIVER-TRANSMITTER

VHF TRANSMITTING AND RECEIVING EQUIPMENT AM 100 TO 156 MC.

CRYSTAL CONTROL ON 4 PRESELECTED CHANNELS IN THE RANGE SPECIFIED. R-28/ARC-5 RECEIVER (SHOWN ON THE LEFT) CRYSTALS ARE INSERTED IN THE FRONT OF THE SET BEHIND THE ACCESS DOOR, FREQ. DIAL AND SQUELCH ADJ. ARE ALSO ON THE FRONT. SELECTION OF CHANNEL IS DONE REMOTELY WITH THE USE OF THE C-30/ARC-5 CONTROL UNIT WHICH IS AVAILABLE SEPARATELY. WITH TUBES 4/717, 3/12SH7, 2/12SL7 & 12A6 VOLTAGES REQUIRED 24/28 VDC FOR RELAYS AND SELECTOR MOTOR ETC. 250 VDC & 60 MA. HIGH V. DM-32 DYNAMOTOR CAN BE USED ON THE REAR OF THE SET FOR THE HIGH VOLTAGE. (FOR VARIABLE TUNING SEE SURPLUS CONVERSION MANUAL VOLUME 111 PRICE \$3.50) SIZE: 14x7x4 1/2; WT: 16 LBS. USED \$18.95



T-23/ARC-5 TRANSMITTER (SHOWN TO THE RIGHT) THE OUTPUT OF THIS UNIT AS DESIGNED IS APPROX 10 WATTS HIGHER OUTPUT CAN BE OBTAINED AS IT HAS (2) TWO 832 TUBES AND TWO 1625'S. THE AUDIO POWER FOR MODULATING IS FURNISHED BY THE MD-7/ARC-5 MODULATOR WHICH IS AVAILABLE SEPARATELY. FREQ. CHANNEL SELECTION IS MADE BY USE OF THE C-30 CONTROL UNIT WHICH IS AVAILABLE SEPARATELY. VOLTAGES REQ. 24/28 VDC FOR RELAYS & SELECTOR MOTOR ETC. APPROX 600 VDC @ 175 MA F/HIGH V. SIZE: 15x8x5 1/2; WT: 15 LBS. RE-NEW \$24.95

MD-7 MODULATOR; PUSH-PULL MODULATOR DESCRIBED ON PAGE 4 OF OUR REGULAR CATALOG RE-NEW \$12.00

C-30/ARC-5 CONTROL UNIT PAGE 19 CATALOG \$1.00

RECEIVER



R-508/R-19/ARC RECEIVER 190-550 KC ONE BAND, 85 KC IF FREQ. WITH TUBES 2/14A7, 1/14S7, 1/14R7, 1/14F7 & 1/12A6 (14 SERIES TUBES ARE LOCAL FILAMENTS ARE WIRED FOR 12-14 OR 24-28 VOLTS, HIGH VOLTAGE REQ. 250 VDC 60MA. NO DIAL, DESIGNED FOR REMOTE USE BUT ITEMS LISTED BELOW CAN BE ADAPTED FOR LOCAL TUNING. SIZE: 6x5x11 1/2; WT: 10 LBS. USED \$7.95

BC-473 CONTROL BOX FOR LOCAL USE WITH ADAPTER WITH SET \$3.00 OTHERWISE \$4.00 SPIN TUNING KNOB FOR LOCAL USE #6743 \$1.00

SCR-522 RADIO SET

100-156 MC

RECEIVER-TRANSMITTER AM, FOUR CHANNEL, CRYSTAL CONTROL, 30 WATT OUTPUT, 18 TUBES AS FOLLOWS; TRANSMITTER, 1/6SS7, 2/832, 3/12A6, 1/6G6, RECEIVER; 1/9J02, 1/9J03, 3/12A6, 1/12C6, 2/12AH7, 1/12H6 & 3/12SG7. BOTH UNITS CAN BE REMOVED FROM CASE SEPARATELY. OVERALL SIZE; 16x12x10-3/4" WT: 49 LBS. PRICE: USED \$29.95



RECEIVER CHASSIS ONLY, LESS CHANNEL SHIFTERS. PRICE, USED, WITH TUBES \$14.95 NO TUBES \$7.95

TRANSMITTER CHASSIS ONLY, LESS CHANNEL SHIFTERS. PRICE, USED WITH TUBES \$18.95 NO TUBES \$7.95

BC-602 CHANNEL SELECTOR CONTROL BOX WITH PUSH BUTTONS. BC-602B USED \$1.95 BC-602D NEW \$2.95

NOTE: FOR THE MICROPHONE & PHONE CIRCUITS JACKS CAN BE INSTALLED IN THE BC-602

JB-29 JUNCTION BOX NEW \$2.95
AN-104 ANTENNA, METAL COVERED WOOD NEW 1.95
PE-98 DYNAMOTOR 12 VOLT USED 9.95
PE-94 " 24 " USED 4.95

PLUGS REQUIRED FOR THE EQUIPMENT

SCR-522 RECEIVER-TRANSMITTER REQUIRES THE FOLLOWING PLUGS, PL-173 TO ANTENNA, PL-169 TO DYNAMOTOR, PL-170 TO JB-29 JUNCTION BOX. \$1.50 EACH

BC-602 CONTROL BOX, REQUIRES FOLLOWING PLUGS, PL-169 TO JUNCTION BOX. \$1.50 EA.

PE-98 OR PE-94 DYNAMOTOR REQUIRES FOLLOWING PLUGS, PL-172 TO BATTERY, PL-171 TO RECEIVER-TRANSMITTER. \$1.50 EA.

JB-29 JUNCTION BOX, REQUIRES THE FOLLOWING PLUGS, PL-170 TO RECEIVER-TRANSMITTER, PL-169 TO BC-602 CONTROL BOX. \$1.50 EA.

RA-62 AC POWER SUPPLY FOR SCR-522, OPERATES FROM 115/230 VOLTS 60 CYCLE, SUPPLIES ALL THE NECESSARY VOLTAGES FOR OPERATION. SIZE: 16x11x11; WT: 75 LBS. PRICE USED \$39.50 REQUIRES PL-171 PLUG FOR HOOK-UP TO REC-TRANS PRICE \$1.50.

BC-733 RECEIVER 108.3-110.3 MC AM



AIRCRAFT RECEIVER USED FOR LOCATING RUNWAY ON LANDING FIELD DURING LANDING OPERATION. SIGNALS RECEIVED BY RECEIVER FROM TRANSMITTER LOCATED ON RUNWAY ARE APPLIED TO CROSS-POINT INDICATORS IN THE AIRCRAFT AND SHOW IF PLANE IS OFF TO RIGHT OR LEFT OF RUNWAY. OPERATES ON SIX CRYSTAL CONTROL PRESET FREQ. COMPLETE WITH TEN TUBES: 1/12AH7, 2/12SG7, 3/717, 2/12SR7, 1/12SQ7 & 1/12A6. VOLTAGE REQUIRED; 24 VDC & 220 VDC 80 MA. WITH SCHEMATIC. SIZE: 13x5x7 WT: 17 LBS. PRICE: USED \$7.95

1-101C CROSS POINT INDICATOR, USED \$1.95
PL-257 PLUG TO FIT 1-101C 1.50

BC-732 CONTROL BOX USED \$1.95 NEW \$2.95
CABLE WITH PL-254 TO FIT BC-733 REC. AND PL-256 PLUG TO FIT BC-732 CONTROL BOX 3 FT. PRICE: \$4.95 PLUGS ONLY 1.50
PRICE: \$4.95 PLUGS ONLY \$1.50 EA.

DM-53 DYNAMOTOR 24 VOLT USED \$4.95 NEW \$6.95
DM-53 AZ " 12 " NEW 7.95
AS-27 RAMS HORN ANTENNA \$5.95
PL-284 TWIN COAX PLUG F/BC-733-AS-27 1.00



ARN-6 COMPONENTS
C-1514/A DIRECTION FINDER CONTROL; w/VOL. TUNING, & L-R LOOP CONTROLS. ALSO CW-VOICE SELECTOR, BAND SELECTOR AND TWO INDICATOR LIGHTS. SIZE: 5x4x3 3/4; WT: 5 LBS. USED \$8.95
PLUG FOR C-1514/A.....\$1.50

PD-5/ARA-19 TUNING DRIVE FOR AM-203B AMPLIFIER; PART ARN-6 RADIO COMPASS REMOTE TUNING SYSTEM. WITH DELCO PM MOTOR. SIZE: 4x2x4; WT: 5 LBS. USED \$9.95; PLUG F/PD-5 \$1.50

ARC-3 100-156 MC



R-77/ARC-3 VHF AIRCRAFT TYPE AM RECEIVER, 8 CHANNEL CRYSTAL CONTROL ELECTRIC BAND CHANGE WITH TUBES 9001, 9002, 12A6, 12H6, WITH TUBES 9001, 9002, 12A6, 12H6, 12SH7, 12SL7, 2/12SN7, 3/12SG7 & 6/6AK5. VOLTAGE REQUIRED 24 VDC & 210 VDC 125 MA. SIZE: 11x7x15. WT: 21 LBS. w/SCHEMATIC PRICE: R-77/ARC-3 USED \$24.50
R-5009/ARC-502 24 CHANNEL USED \$24.95
PL-153 PLUG FOR FRONT OF SET \$ 2.50

T-67/ARC-3 VHF AIRCRAFT TYPE TRANSMITTER AM, 8 CHANNEL CRYSTAL CONTROL ELECTRIC BAND CHANGE, WITH TUBES 2/832, 2/6L6, 1/6J5, 3/6V6 & 1/12SH7. VOLTAGE REQUIRED 24 VDC & 410 VDC 325 MA. SIZE: 15x7x12 1/2. WT: 21 LBS. PRICE: RE-NEW WITH TUBES\$29.50

JB-68 JUNCTION BOX FOR ARC-3 RADIO SET USED TO MOUNT DYNAMOTORS DY-22 FOR REC & DY-21 FOR TRANS. ALSO HAS CONNECTOR PLUGS TO HOOK UP REC, TRANS, CONTROL BOX & POWER, & RELAYS. SIZE: 10x3x8 1/2. WT: 7 LBS. PRICE USED.... \$7.95

CONNECTOR PLUG FOR EACH FACILITY \$2.50 EACH
C-118/ARC-3 CONTROL BOX FOR RECEIVER AND TRANSMITTER. HAS EIGHT PUSH BUTTONS FOR CHANNEL SELECTION AND ONE FOR OFF. SIZE: 6x3x7 WT: 2 LBS. PRICE: \$4.95
CONNECTOR PLUG U-16/U 2.50

IE-36 TEST SET FOR SCR-522 REPRODUCES THE OPERATING FUNCTIONS OF THE CONTROL BOX & JACK BOXES OF THE RADIO BY PROVIDING HEADPHONE & MICROPHONE, CHANNEL SELECTION PLUS ALL OTHER CONTROLS NECESSARY TO OPERATION AND TESTING. CONTROL UNIT BC-1303 PLUGS DIRECTLY INTO THE SCR-522 ALSO HAS PHANTOM ANTENNA & CORD, LAMP EXTRACTOR, ADAPTER PHONE CORD, INSTRUCTION BOOK AND CARRYING CASE, 10x10x4; WT: 8 LBS. PRICE: NEW \$6.95

SCR-522 CABLES WITH PLUG ON ONE END AND LUG TERMINALS ON THE OTHER. EACH CABLE \$2.95
CX-58/VRC-1 PLQ-170 PLUG & LUGS, 36" LONG.
CX-60/VRC-1 PL-169 " " " 36" " "
CX-62/VRC-1 PL-172 " " " 66" "

BC-1000 FM TRANSMITTER-RECEIVER 40 TO 48 MC; PORTABLE LOW POWER TRANSMITTER 3 TO 5 MILES DEPENDING ON CONDITIONS SINGLE CALIBRATED DIAL FOR TUNING RECEIVER AND TRANSMITTER, MICROPHONE AND PHONE JACKS ON FRONT PANEL, SQUELCH CIRCUIT AND AUTOMATIC FREQ. CONTROL, WITH TUBES 6/1T4, 5/1L4, 3/1S5, 2/3A4 & 1/1A3. VOLTAGES REQUIRED FOR USE 4 1/2 VDC @ .5 AMP. 90 VDC @ 25 MA & 150 VDC @ 50 MA. SIZE: 11x6x7 1/2; WT: 13 LBS. USED \$24.95

CS-128 BATTERY CASE (EMPTY) FASTENS TO BOTTOM OF SET USED TO HOLD BATTERIES. 4 LBS. \$1.95
AN-130 GOOSENECK ANTENNA 1 LB. 1.00
TS-15 HANDSET (OR EQUIVALENT) 2 LB. 4.95
TM-11-637 MANUAL 3.00

R-316/ARR-26 RECEIVER 162.25 - 173.5 MC. FM NO COVER SUPPLIED
DESIGNED TO RECEIVE SONOBOUY SIGNALS ON 16 PRE-SET CHANNELS. WITH TUBES 1/6J6, 2/6AL5, 7/6AS7, 1/6AU6, 1/12AU7, 1/12AV7 & 7/6AK5. NO POWER SUPPLY REQUIRES 280 VDC @ APPROX. 125 MA. AND FILAMENT VOLTAGES. OUTPUT OF THE SET USES A 12AU7 IN A CATHODE FOLLOWER CIRCUIT WHICH IS SUFFICIENT FOR HEAD SET. (SCHEMATIC AND CONVERSION INFORMATION FOR 145-175 MC SUPPLIED WILL INCLUDE ADDITION OF AUDIO, SQUELCH AND 115 VOLT 60 CYCLE POWER SUPPLY CIRCUITS. SIZE 5x8x17; WT 3 LBS. PRICE USED \$22.95

AMPLIFIER

AM-203B/ARA-19 AMPLIFIER; PART OF REMOTE TUNING SYSTEM AS USED WITH ARN-6 RADIO COMPASS WHICH PROVIDES AN ACCURATE MEANS OF TUNING SET ELECTRICALLY. OPERATES FROM 24 VDC. WITH 2/26A7 TUBES AND 1/12SN7 TUBE, SIZE: 5x6x4 1/2; WT: 6 LBS. PRICE: RE-NEW \$8.95

COMPASS RECEIVER



AN/ARN-7 RADIO COMPASS RECEIVER 100 TO 1750 KC USED FOR AIRCRAFT DIRECTION FINDING BUT CAN ALSO BE USED ON BOATS. THE RECEIVER IS A SUPERHETERODYNE WITH ADDITIONAL CIRCUITS FOR OPERATION OF THE AURAL RECEPTION AS SHOWN ON THE INDICATORS. COVERS THE FREQUENCY RANGE OF 100 TO 1750 KC IN FOUR BANDS CONTINUOUS TUNING FROM CONTROL BOX WHICH IS A SEPARATE UNIT. UNIT OPERATES FROM 115 VOLT 400 CYC & 24 VDC AND IS COMPLETE WITH TUBES 4/6K7, 1/6L7, 1/6J5, 2/6B8, 2/6F6, 1/6N7, 1/524, 1/6SC7 & 2/2051. SIZE: 12x8x19; WT 45 LBS.
R-5/ARN-7 RECEIVER ONLY, USED \$18.95

ITEMS LISTED BELOW ARE REQUIRED FOR ADF OPER.

C-4/ARN-7 CONTROL BOX USED \$3.95 NEW \$5.95
1-81A INDICATOR 3" USED \$3.95 RENEW 4.95
1-82A " 5" " " NEW \$10.95
LP-21 AM LOOP ANTENNA " 9.95
FT-224 MOUNTING F/C-4CB " 1.50
MG-149F INVERTER " 24.95
MC-203 SHAFT COUPLING "TM" " 1.00
MC-135 SHAFT " RT/ANGLE " 2.50
BK-22 RELAY JUNCTION BOX " 2.95
MC-124 FLEXIBLE SHAFT 2 FT. 1.50
CD-365 CABLE FOR LOOP 5 FT. 2.75
PL-122 CONNECTOR PLUG FOR RECEIVER 2.50
PL-112 " " " LOOP 2.50
PL-118 " " " 1-81 OR 1-82 2.50



REMOTE READING MAGNESYN COMPASS SYSTEM AIRCRAFT TYPE. CONSISTS OF A MAGNESYN COMPASS THAT TRANSMITS TO A 3" INDICATOR THAT IS CALIBRATED IN DEGREES--- N-S-E-W AND IS OPERATED BY THE 12 VOLT D.C. INVERTER THAT IS SUPPLIED WITH THE SET. SHPG. WT: 15 LBS. PRICE WITH TRANSMITTER, INDICATOR, INVERTER AND MANUAL ... \$39.95
REMOTE READING MAGNESYN COMPASS SYSTEM WITH TRANSISTORIZED POWER SUPPLY.....\$49.50

MN-40 INDICATOR CONTROL BOXES
0-360 DEGREE MN-28C/MN-26C
SCALE 5" WITH MN-28LB/MN-26LB
VAR. ADJUSTMENT. USED \$3.95 EA.
SAME AS 1-82 CONNECTOR PLUGS
INDICATOR ONLY RECEIVER \$2.50
OPERATES MECHANICALLY CONTROL BOX 2.50
INSTEAD ELECT FLEXIBLE SHAFT
BY USE OF BPLINED CONNECTORS 20"/\$1.50
AS USED ON MC-124 SHAFT. 5 1/2" \$2.8 \$3.00

RADIO COMPASS



RA 101A/ARN-6 RADIO COMPASS WITH A FREQUENCY RANGE OF 100-1750 KC IN FOUR BANDS. COMPLETE WITH TUBES 6/12SK7; 4/12SX7; 1/12SY7; 1/12SN7; 2/26A7; 2/2050. OPERATES FROM 26.5VDC. WT. 35LBS. SIZE: 11x7x15 1/2
PRICE: \$39.50

AS-313/ARN-6 LOOP ANTENNA WITH MOTOR AND AUTOSYN TRANSMITTER. USED WITH ARN-6 RADIO COMPASS. OPERATES FROM 26 VOLTS 400 CYC. SIZE: 10x11x5 WT. 15 LBS. PRICE: (AS ILLUSTRATED) USED \$7.95
MANUAL FOR RA 101A/ARN-6.....\$5.00

ID-91 B/ARN-6 INDICATOR 0-360 DEG. 3 1/2" DIA. INDICATOR FOR ARN-5 RADIO COMPASS SYSTEM \$8.95

C-149 A/ARN-6 CONTROL BOX CONTAINS THE FOLLOWING CONTROLS. OFF-COMP.-ANT.-LOOP; FUNCTION SWITCH, TUNING METER, LOOP L-R SWITCH, LIGHT CONTROL, DIAL BAND SWITCH, CONTROL SWITCH, TUNING CRANK, AUDIO CONTROL, CW-VOICE SWITCH. \$8.95

Headsets — Telephone Equipment — Microphones — Handsets



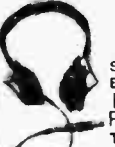
HS-33 HEADSET
NEWLY MANUF.
HEADBAND & 4 1/2 FT.
CORD WITH PL-55
TYPE PLUG. AIR
FORCE GREY. 600
OHM IMPED. WITH
MX-41/AR MEDIUM RUBBER
CUSHIONS \$8.00
MC-162 SMALL RUBBER
CUSHIONS. \$6.95



HB-7 HEADBAND ONLY
WITH 4 1/2 FT. CORD AND PL-55
TYPE PLUG. AIR
FORCE GREY.
\$3.00
MX-41/AR MEDIUM
SIZE RUBBER
CUSHIONS \$1.25
MC-162 SMALL
RUBBER CUSHIONS
\$1.00



HS-23 HEADSET
NEWLY MANUF. W/4 1/2
FT. CORD &
PL-55 TYPE
PLUG. AIR
FORCE GREY. 2000
OHM IMPED. WITH
MX-41/AR MEDIUM
SIZE RUBBER
CUSHIONS \$6.95
MC-162 SMALL
SIZE RUBBER
CUSHIONS \$5.95



H-113/U HEADSET
600 OHM
SOFT PLASTIC
EAR CUSHIONS
18" CORD W/
PL-54 PLUG
THAT FITS
JK-26 JACK
(SEE CD-307
EXTENSION CORD ELSE-
WHERE ON THIS PAGE)
WT: 3LBS. USED-EX \$3.95



H-63/U HEADSET
600 OHM
BOOM MIC
100 OHM
14" CORD
WITH
PLUGS.
(ADD ANY
LENGTH
CORD YOU
WANT)
USED
\$4.95



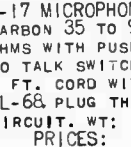
T-32 CARBON MICROPHONE
40 OHMS
IMPEDANCE
300-4500CYC
WITH STAND
& PUSH TO
TALK SW.
6' CORD
WITH PL-68 PLUG
UNUSED \$7.95
HS-30 HEADSET
250 OHM
IMPEDANCE
HEARING
AID TYPE
LIGHT
WEIGHT
HEADBAND
9" CORD
W/SPADE
LUGS
THAT WIRE INTO
CD-604 CORD FOR
4000 OHM IMP.
NEW \$2.50
(SEE CD-604 & 605
ELSEWHERE ON PAGE)




DYNAMIC HEADPHONES
50 OHMS IMP.
MOVING COIL
TYPE, HIGH
QUALITY RE-
PRODUCTION,
CHAMOIS CUS-
HIONS AND
"Y" CORD WITH PHONE PLUG.
#ZA/CAN1638 UNUSED \$4.95
CHAMOIS CUSHIONS \$2.50 PR.




T-17 MICROPHONE
CARBON 35 TO 90
OHMS WITH PUSH
TO TALK SWITCH
5 FT. CORD WITH
PL-68 PLUG THREE
CIRCUIT. WT: 1LB
PRICES:
USED \$5.95
RE-CONDITIONED
\$7.50



T-30 MICROPHONE
CARBON TYPE, 75 OHM
50DB BELOW 1 MILLI-
VOLT, FLAT RESPONDS
WITH PL-291 2 CONT
MALE PLUG, 11" CORD
PRICE: USED 3/\$1
UNUSED \$1.00




CW-51071 LIP MICROPHONE
100 OHMS IMPEDANCE W/
2 SNAPS FOR FASTENING W/
H-62 HEADSET, 14"
CORD W/ PL-291 PLUG
INTO EXTENSION CORD
CD-318 LISTED ON THIS
PAGE OR CW-49561 EXTEN-
SION CORD LISTED BELOW
USED \$1.00



T-24-S MICROPHONE
HAND HELD
BRASS CARBON
MIC. W/50 OHM
ELEMENT,
PUSH TO TALK
SWITCH, 5 1/2
FT. STRAIGHT
CORD W/PL-68
PLUG. WT: 1 LB.
PRICE: UNUSED \$3.95



RS-38 MICROPHONE
100 OHM CARBON
PRESS TO TALK
SWITCH ON TOP
5 FT. CORD WITH
PL-68 PLUG.
UNUSED W/COILED CORD
12"-36" \$7.95 2'-6" \$8.95



T-45 LIP MIC
DICTIPHONE HEAD
SET, LIGHT BAND
W/PLASTIC EAR
PCS. CONNECT
TO RUBBER
TUBES THAT
COMES TO Y
& RUBBER
CUP 4" DIA.
USE AS WAY
OUT SOUND
REPRODUCER
#6C262-
719 \$1.75



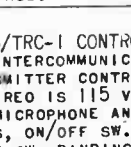
T-30 THROAT MIC.
Elements
only
\$1.00
a dozen



C-113/TRC-1 CONTROL UNIT
FOR INTERCOMMUNICATION AND
TRANSMITTER CONTROL. POWER
REQUIRED IS 115 VOLT 60 CYC
HAS MICROPHONE AND HEADSET
JACKS, ON/OFF SW. INTERCOM.
RADIO SW. BINDING POSTS FOR
CONNECTING TELEPHONE WIRE,
5 WIRE CABLE FOR FASTENING
TO TRANS. MIC CORD WITH PL-68 PLUG, AC LINE
CORD, PILOT LIGHT ETC. HOUSED IN WOOD CARRING
CASE. TWO OR MORE UNITS CAN BE HOOKED TOGETHER
FOR INTERCOM USE. TS-13 HANDSET CAN BE USE
WITH THIS SYSTEM. CABLES CAN BE STORED IN COM
PARTMENT TO LEFT.
SIZE: 14x9 1/2 x 12; WT: 25 LB PRICE: USED \$6.95



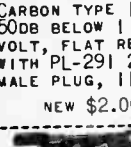
M-29/U MICROPHONE; 40 TO
100 OHM IMPED.
U-79/U CONNECTOR.
72" CORD.
FREQ. 300 TO
4000 HZ. PUSH-
TO-TALK. WT: 2 LBS.
PRICE: USED \$3.95



M/A CARBON MICROPHONE
75 OHM IMPEDANCE,
FITS OVER MOUTH
TO ELIMINATE NOISE, HELD
IN PLACE BY STRAPS, FREQ
RESPONSE 400-3200 CPS.
1 1/2" INCH CORD WITH PL-
291 PLUG TO FIT CD-318
OR CW-49561 EXTENSION
CORDS DESCRIBED ON THIS
PAGE. NEW \$2.50



RS-83 SOUND POWERED HANDSET
100 OHM CARBON MICROPHONE W/PHONE W/DETACHABLE CORD 4 1/2' UN-USED \$1.95 & SW.
TS-9 HANDSET NO PLUGS WITH BUTTERFLY SWITCH & PUSH TO TALK SWITCH & LUGS USED \$3.95
TS-11 HANDSET; 4 COND-CORD, 5 1/2', CARBON MIC 50 OHM, PHONE 3500 OHM, W/PL-106 PLUG. NEW \$4.95
RS-83 SOUND POWERED HANDSET WITH COILED CORD 1-4' BROOK-TEL BTU-1 NEW \$8.95
HANDSET HOLDER
RUBBER COVERED AS ILL-USTRA \$1.50
CAST ALUMINUM \$2.00




T-45 MICROPHONE
CARBON TYPE 100 OHM
50DB BELOW 1 MILLI-
VOLT, FLAT RESPONDS
WITH PL-291 2 CONT
MALE PLUG, 11" CORD
NEW \$2.00



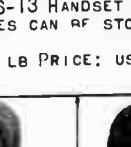
CD-307 CORD EXTENSION
FOR CORDS WITH
PL-54 PLUG AS USED
ON HEADSETS, 65" LG
WITH JK-26 JACK &
PL-55 PLUG.
USED \$1.00



CD-318 EXTENSION CORD
WITH PL-291
2 CONTACT FEMALE
PLUG TO FIT T-45 &
T-30 MICS. SW-141
SWITCH & PL-68 MIC
PLUG ON 7 FT. CORD
USED \$1.00




PL-55 PHONE PLUG
30" CORD 75¢



R-15 PHONE ELEMENT
6000 OHM
W/RUBBER CUSHION
F/2" HEAD-
BAND MTG.
\$1.25




T-24/M CARBON MICROPHONE
WITH PUSH TO TALK
BUTTON AND
MODIFIED WITH
4 FT. COILED
CORD & PL-68
PLUG. WT: 1/2 LB. PRICE: NEW \$4.95



CD-604 CORD WITH IMPEDANCE MATCHING TRANSFORMER
500 OHM TO 4000, USED WITH HS-30 HEADSET, 6" CORD & PL-54 PLUG.
NEW 50¢ USED 25¢



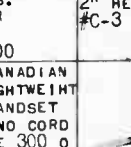
CD-605 CORD SAME AS CD-604 ONLY 30" LG. WITH PL-55 PLG
USED \$1.00



HB-1 HEADBAND FOR 1 1/2" ELEMENTS WITH 8000 OHM ELEMENTS & CORD \$2.95



PHONE ELEMENT F/TS-13, H-23 ET. HANDSET, TYPE 41 3500 OHM. AUTO. ELEC. D-5189A \$1.00



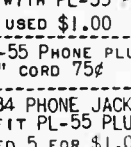
CANADIAN PHONE ELEMENT 100 OHM 1 1/2" DIA. FOR 2" HEADBAND. #C-3 10A/36988 \$0.75



HALLCRAFTERS' #085-000246 MICROPHONE; MAGNETIC CONTROLLED TYPE WITH TRANSISTORIZED AMPLIFIER; COILED CORD 7 FT. LENGTH. THREE WIRES AND SHIELD. WT: 1 LB. PRICE: NEW \$9.95




COILED CORD SETS
THREE CONDUCTOR 24" TO 72" 75¢
12" TO 36" 50¢
FOUR CONDUCTOR 12" TO 36" \$1.00
ONE CONDUCTOR #18 6 FT.-18 FT. \$1.00



MC-385 HIGH TO LOW ADAPTER
IMPEDANCE FOR HEADSET 4000-6000 OHM USED \$0.50
NEW \$0.75




STANDARD TYPE TELEPHONE HANDSET AND CORD. USED \$2.50



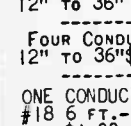
TS-365
TS-365/GT LINESMAN'S HANDSET; WITH DIAL; NOW-TALK SWITCH. RUBBERIZED WITH 5 FT RED AND BLACK LEADS. USED \$22.95



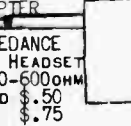
H-165/U HIGH IMPACT PLASTIC HANDSET; W/ELEMENTS TA-235/PT AND TA-117/PT. PUSH-TO-TALK SWITCH; DULL FINISH. COILED CORD 2-12 FT. USED \$7.95



WD-36/TT WIRE AND DISPENSER; CANADA WIRE & CABLE CO.; TWIN, PARALLEL CONDUCTOR; SOLID NO. 23, PLASTIC INSULATION; 2500 FT. LENGTH. DISPENSER SIZE: 6 1/2" x 4" ROUND. #3895-089-7278 7 LBS. PRICE: \$8.95



TELEPHONE BELLS
SIGNAL LIGHT SAME USE AS EXTENSION SIZE AS TELEPHONE DIAL. MAKE OWN INTERCOM. \$3.99 EA. 3/\$1.00



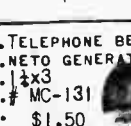
STANDARD TELEPHONE DIAL
USED \$1.50



HANDSET HOLDER FOR HORIZONTAL MOUNTING SIZE 1 1/2 x 3 1/2 #6988 \$0.50



TELEPHONE BELL FOR MAGNETO GENERATORS # MC-131 \$1.50



TELEPHONE BELLS
2 LB. 4x4x1 4R3661A \$1.50

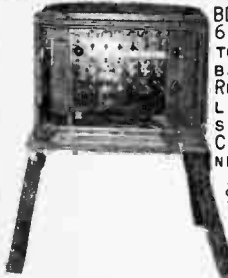


TELEPHONE BELLS
2 LB. 4x4x1 4R3661A \$1.50

TELEPHONE EQUIPMENT



EE-8 FIELD TELEPHONE, PORTABLE HAND RINGING TYPE CAN BE USED WITH ANY MAGNETO TYPE SYSTEM SWITCHBOARD AS BD-71, 72, 89, 91, 96 ETC. OPERATES FROM 2 FLASHLIGHT BATTERY UP 17 MILES, TWO OR MORE PHONES CAN BE OPERATED ON TWO WIRE LINE. WITH CARRYING CASE, STRAP & HANDSET.
 SIZE: 8x10x3½; WT: 18 LBS.
 USED CHECKED LESS BATT. \$14.95



BD-71 SWITCHBOARD, PORTABLE 6 LINE HAND RINGING MAGNETO TO TYPE USING FLASHLIGHT BATTERIES FOR OPERATION. REPEATING COILS ON TWO LINES FOR SIMPLEXING, DROP SIGNAL AND NIGHT CALL BELL CAN BE USED WITH ANY MAGNETO TYPE TELEPHONES SUCH AS EE-8, RM-29, BD-72, 89, 91, 96 ETC. IDEAL FOR FACTORY, CAMP, FARM, MOTEL.. WITH CHESTSET MICROPHONE & HEADSET. LESS BATTERIES
 SIZE: 18x12x14; WT: 75
 USED \$9.95 RE-NEW \$14.95



VO-3 OSCILLATOR IS AN ELECT-AUDIO TONE GENERATOR WITH A 10 WATTS OF POWER OUTPUT AT A FREQ. OF 800 CYCLES PER SECOND. THIS POWER IS ADEQUATE FOR SUPPLYING TONE TO 200 HEAD SETS THAT CAN BE KEYS BY THE INSTRUCTOR OR STUDENTS AND FEED INTO A SPEAKER OR RECORDER. OPERATES FROM 115 VOLT 60 CYCLE, COMPLETE WITH TUBES 1/6SN7, 1/5U4 & 2/6V6GT, OUTPUT 4, 8, 12 & 16 OHMS.
 SIZE: 12x10x7½; WT: 24 LBS.
 PRICE: \$14.95 USED

WD-1/TT INFANTRY FIELD WIRE; 2 COND. TWISTED PAIR 4 TINNED COPPER, 3 GALV. STEEL, NYLON JACKET WEATHER MOISTURE & FUNGUS RESIS. APPROX. 1200 FT. ON METAL SPOOL \$15.00; APPROX 1 MILE ON METAL SPOOL 4 LENGTH OF APPROX 1250 FT. \$40.00; COND. USED GOOD
WD-7 COPPER WELD FIELD TELEPHONE WIRE; 2 COND. TWISTED PAIR EACH COND. 7 STRAND #28 COPPER WELD. NEW MANUFACTURE. \$.035 PER FT. 1000 FT. OR MORE \$.030 PER FT.

JB-70 JUNCTION BOX; USED WITH BC-610 TRANSMITTER. FRONT PANEL HAS SWITCHES AND CONTROLS FOR REMOTE USE OF TRANS. HAS AC OUTLETS BOTTOM & SIDE, 4 HEADSET & 2 KEY JACKS, MIC PLUG, 2 WAFER, 4 TOGGLE, LEVER & START/STOP SWITCHES, CIRCUIT BREAKER, CABLES ETC. SIZE 19x13x5½; WT: 40 LBS
 PRICE: USED \$9.95

A-202 CODE PRACTICE TELEGRAPH KEY WITH BUZZER AND CORD. ADJUSTABLE KEY WITH ADJUSTABLE BUZZER THAT WILL OPERATE FROM 9-12 VOLT D.C MOUNTED ON BLACK BAKELITE BOARD WITH ENOUGH ROOM TO REST FIST, RUBBER FEET ON BOTTOM.
 KEY SIZE 4x1½x1½, BUZZER SIZE 1½x1½x1½; BOARD 3½x7½; WT: 1½ LB
 PRICE: NEW \$1.50

A.F.C. UNIT
 AUTOMATIC FREQ. CONTROL UNIT No. 600671; USED WITH FIRE CONTROL SYSTEM, WITH 16 TUBES 2/5829, 11/5703, 2/5702, 1/5784, DPDT SIGMA RELAY THAT WILL OPERATE FROM 14VDC @ 2.8 MA, SLUG TUNED COILS, RESISTORS, COND., ETC. (SORRY, FREQ. NOT DETERMINED, NO SCHEMATIC.) SIZE: 4x8x6 WT: 5LBS. USED \$2.95

TS-164 FREQUENCY METER CASE EMPTY CASE USED TO HOUSE FREQ METER BC-221, CAN ALSO BE USED FOR SIMILAR TYPES, HINGED FRONT COVER FOR CALIBRATION BOOK. FRONT COMPARTMENT SIZE 9½x7½x7½, REAR COMPARTMENT HAS 2 BALLAST TUBES AND VOLTAGE REGULATOR TUBE VR-105, IS 2" DEEP. ALSO RELAY AND SHOCK-MOUNTING. SHPG. WT: 19 LB. NEW \$3.95

TA-1/PT TELEPHONE



SOUNDPOWERED TELEPHONE SET WITH AUDIBLE AND VISUAL CALL SYSTEM. PALM OPERATED GENERATOR PUTS OUT APPROX. 100 V. THAT SOUNDS BUZZER IN OTHER PHONE AND ACTUATES VISUAL INDICATOR. COILED CORD WITH PUSH TYPE BINDING POSTS FOR INTERCONNECTING WIRES TO BE FASTENED TO, COMES WITH FIBER CARRYING CASE.
 SIZE: 8½x3½x3½; WT: ACT 2LB USED \$29.50 PAIR 2

TA-43/PT TELEPHONE SET IS A RUGGED, LIGHTWEIGHT, WATERPROOF FIELD TELEPHONE THAT CAN BE USED OUTDOORS ON A DESK OR WALL MOUNTED. HANDCRANK GENERATOR FOR RINGING BUZZER. REQUIRES 2/1½ V BATT. FOR LOCAL USE NONE REQ. W/CB. UNIT COMES IN A CANVAS CASE & SHOULD-ER STRAP WITH ZIPPER.
 SIZE: 12x7x4; WT: 10 LBS. UNUSED \$39.50

MULTIPEX

PHILCO CST-2 SIGNALING AND TERMINATION UNIT. FOR USE IN MULTIPEX SYSTEMS FOR TRANSMISSION OF OIAL OR RINGDOWN SIGNALING AND TERMINATES A FOUR WIRE CIRCUIT OF THE MULTIPEX INTO A TWO WIRE TELEPHONE CIRCUIT. A 3.5 KC TONE IS USED FOR SIGNALING. ALSO HAS CONTROLS FOR PRO PER ATTENUATION OF VOICE LEVEL. OPERATES FROM 115 V. 60 CYC. AND IS COMPLETE WITH 2/12A17 TUBES, RELAYS, RACK MTG. 19x4x12; WT: 25 LBS.
 PRICE: UNUSED \$9.95

AUTOSYN INSTRUMENTY FIELD TESTER; AAF #43G18624 IS A SIMPLE TESTER THAT IS DESIGNED TO TEST THE ELECTRICAL CIRCUITS OF ALL MINIATURE 26v. 400CY. AUTOSYNS. WHEN CONNECTED TO THE SUPPLY IT CAN BE USED AS A TRANSMITTER OR INDICATOR. ALSO HAS ELECTRICAL ZERO TESTING CIRCUIT. SIZE: 6x10x5; WT: 8 LBS.
 PRICE: METAL CASE HINGED COVER & CABLES. USED, \$6.95
 WOOD CASE NO COVER/CABLES. \$3.95

RC-298 TANK INTERPHONE EXTENSION KIT; CONTAINS HEAVY GAUGE WATERPROOF STEEL BOX W/H-22 HANDSET & COILED CORD, SIGNAL LIGHT, EXTEN. TERMINAL POSTS, WATERPROOF BULKHEAD CONN. 30 FT. 7 COND RUBBER COVERED CABLE, 14 FT. CONDUIT FLEX BC-1361 CONTROL BOX WITH SIG. LAMP, 2 WATER PROOF SW. AND 2 CONN. BOX OF HARDWARE WITH 125 PCS. OF BOLTS NUTS, WASHERS, CLAMPS ETC. ALSO ROLL OF RUBBER TAPE, SWITCH, LENS, LAMP MANUAL ETC. SHIPPING WEIGHT 78 LBS.
 PRICE: NEW \$14.95

RM-52 REMOTE CONTROL UNIT (MACY'S PHONE PATCH) USED FOR RE-CONTROL OF RADIO SET, OPERATES FROM 4 FLASHLIGHT BATTERIES. HAS MULTI-TAP TRANSFORMER, MIC, PHONE HIGH/LOW IMPEDANCE & JACKS.
 BASIC UNIT FOR MAKING MACY'S PATCH.
 SIZE: 7x3x5½; WT: 5 LBS.
 PRICE: USED \$1.95 NEW \$2.95

RM-53 REMOTE CONTROL UNIT BASICLY THE SAME AS RM-52 ONLY IT HAS A 3 POSITION SWITCH AND CORDS WITH PL-55 AND PL-68 PLUGS.
 SIZE: 8½x4½x4½; 6 LBS
 USED W/PLUGS & CORDS \$2.95
 " " " " " " 1.95

RM-21 CONTROL BOX WITH HANDSET HOLDER, 3 PUSH SWITCHES, VOLUME CONTROL AND PLUG. HANGERS FOR MOUNTING.
 SIZE: 10x7x2½ WT: 8 LBS. IN WOOD CARRYING CHEST (NOT PICTURED.)
 PRICE: \$3.95

SA-365/UPM SWITCH ASSEMBLY CONTAINS 14 PUSH BUTTON MICRO SWITCHES D.P.D.T #2PB21 WIRED TO A 7 COND. & SHIELD CABLE 35 FT. LONG. USED WITH 1D-256 INDICATOR LIGHT ASSY. FOR SPECIAL TEST PURPOSES.
 SIZE: 6x5x2; WT: 5 LBS.
 PRICES: WITH CABLE \$6.95 LESS CABLE...\$4.95
 PLASTIC COVERED CABLE 5 COND. SHIELDED 5/8 FT.

AUTOMATIC ELECTRIC RELAY ASSEMBLY; 12 A/E TYPE RT-379-A1 RELAYS, 48VDC .1 AMP OPERATING 10 CONTACT ARRANG. #D-857697 AUTOMATIC LINE FINDER, RACK MOUNTING SIZE: 13x4x6½; 12 LBS. PRICE: W/COVER N\$12.95

AUTOMATIC ELECTRIC SWITCH ASSEMBLY, COMBINED HOWLER AND BREAK-DOWN UNIT, 48 VDC, 4 DECK 26 CONTACT STEPPING SWITCH AND 5 RELAYS #D855332A RACK MOUNTING 13x4x6½; 13 LBS. PRICE: W/COVER NEW \$10.95

STROWGER LINE FINDER AND RELAY UNIT, USED IN CENTRAL OFFICE DIAL TELEPHONE EXCHANGE. THIS THE HEART OF THE SYSTEM AND IT HAS THE TWO BANKS OF CONTACTS AND WIPER CONTACT ARMS SHPG. WT: 15 LBS. #D580070/4D RE-MOVED \$15

STROWGER LINE FINDER AND RELAYS (8) WITH 2 BANKS OF CONTACTS AND WIPER CONTACT ARMS. SHPG. WT: 20 LBS. D240593 REMOVED \$17

REPEATER DIAL PULSE; TWO WAY OPERATION 8 TO 12 PULSES PER SEC. 2800 OHMS MAX. LOOP RES. SHPG. WT: 10 LBS. #D857917 REMOVED \$9.95

REPEATER DH-61883-A-2A SHPG. WT: 10LBS \$9.95
REPEATER D857411-A WT: 12 LB. REMOVED \$12.95

INDICATOR ASSY: C/O 6 EACH 4 DIGIT ELECTRIC COUNTERS AND 6 RELAYS ON MOUNTING STRIP 48 VDC WITH TERMINAL BOARD. SIZE: 18x3x5; 13 LB #D183896A SPEC. STRIP \$30. COUNTER ONLY \$5 EA.

RELAY TEST SET

193 RELAY TEST SET USED FOR TESTING 255, 255A, D-163119A, D-164 816A POLAR RELAYS ETC. FOR BIAS AND SENSITIVITY. THE ELECTRICAL CHARACTERISTICS ARE DETERMINED BY THE DEFLECTIONS OF THE METER. ALSO CONTAINS CIRCUIT FOR SENDING PULSES FOR TESTING EXTERNAL TELEGRAPH CIRCUITS AND A 10-20 CYCLE OSCILLATOR FOR FOR TESTING AND LINE-UP PURPOSES. OPERATES FROM 115/130 VDC 10 WATTS. (RA-87 RECTIFIER SHOWN ON PAGE 8 OF THIS CATALOG WILL OPERATE THIS EQUIPMENT SHIPPED IN WOOD CHEST 24X12X13; WT: 75 LBS.
 USED \$16.95
 RE-COND. 21.95

**TRANSMITTER SUB-ASSY. FILAMENT CHASSIS, PART OF AN/ALT-8 COUNTERMEASURES SET. CONSISTS OF CK927 FULL WAVE RECTIFIER CK843 SILCON RECT., TWO CK846 SILCON RECT., MAGNETIC AMPLIFIER TRANS. FIL. TRANS. 115/400CYC. SEC. 6.3/6A. MINIATUR POTS. AND DPST RELAY ALL MOUNTED ON CHASSIS 7x3x3½; WT: 3LBS. PART #2527-501-G1
 PRICE: NEW \$1.95**

TELETYPE PAPER

TELETYPE PAPER 8½ INCHES WIDE 4½ INCH DIAMETER THREE SHEETS OF PAPER 2 SHEETS CARBON, 4 LBS. PRICES: EACH ROLL 50¢; 12 ROLLS \$5.00
TELETYPE PERFORATOR TAPE 11/16" WIDE APPROX. 900 FEET OILED, 3 FOR \$1.00

TELETYPE

TELETYPE TRANSMITTER-DISTRIBUTOR SINGLE CHANNEL MOTOR DRIVEN DEVICE WHICH CONSISTS OF A TAPE SENSING, TAPE FEEDING AND A TRANSMITTING MECHANISM AND DISTRIBUTOR MOTOR WHICH ENCLOSED IN A METAL COVER. MOTOR IS 110 VOLT 60 CYCLE 1 PH SYNCHRONOUS INDUCTION MOTOR, 1/40 H.P. 2.2 A. SHUNT TYPE MODEL #5SH25A118 OR EQUAL.
 SIZE: 15x8x9; WT: 35 LBS. COND. USED BY WU \$14.95 2 FOR \$25.00

DYNAMOTORS

TYPE	INPUT VOLTS	INPUT AMPS.	OUTPUT VOLTS	OUTPUT AMPS.	SIZE	WEIGHT	EQUIPMENT USED WITH	PRICES	
								USED	RE-NEW
DM-21	14	3.3	235	.090	6x5x3	8	BC-312	\$4.95	\$7.95
DM-28	27.9	1.25	220	.070	3x5x6	5	BC-348	4.95	
DM-25	12	2.2	250	.050	3x3x4	3	BC-367	2.95	4.95
DM-45	24	1.1	250	.050	3x3x4	3	BC-667	2.95	4.95
DM-34	14	2.8	220	.080	3x4x6	5	BC-603-683	2.95	4.95
DM-36	28	1.4	220	.080	3x4x6	5	BC-603-683	2.95	4.95
DM-40	14	3.4	172	.138	7x5x3	7	BC-652	6.95	
DM-41	28	1.7	172	.138	7x5x3	7	BC-652		
DM-42	12	39	515	.215					
			1030	.260	7x7x11	38	BC-653		
DM-43	24	19.5	515	.215					
			1030	.260	7x7x11	38	PC-653		9.95
DM-53AZ	14	2.8	220	.080	4x3x3	3	PC-733	2.95	4.95
DM-53	28	1.4	220	.080	4x3x3	3	PC-733	3.95	N
DM-32	28	1.1	250	.060	4x3x3	3	VARIOUS	2.95	4.95
DY-2/ARR-2	SAME AS	ABOVE	DM-32	ONLY	IS A LATER	NUMBER.			
35x032	14	2.2	250	.060	4x3x3	3	As DM-32		4.95
DM-33	28	5	575	.160	6x3x3	6	PC-456	9.95	
DM-35	12.5	18.7	625	.225	8x4x4	13	VARIOUS		20.00
DM-37	25.5	9.2	625	.225	8x4x4	13	"		\$9.95
BD-69	14	2.8	220	.080	6x6x4	10	VARIOUS		3.95
BD-77	14	39.0	1000	.350	11x10x6	40	BC-191	\$14.95	\$19.95
BD-83	14	6.5	375	.150	6x5x4	10	SCR-183		7.95
BD-93	28	3.2	375	.150	6x5x4	10	SCR-283		4.95
PE-73	28	19	1000	.350	11x10x6	39	BC-375	WRITE F/PRICE	
PE-86	28	1.25	250	.060	5x5x3	3	VARIOUS	2.95	4.95
PE-94	28	10.5	300	.260	12x5x8	35	SCR-522	4.95	
			150	.010					
			14.5	5.0					
PE-94	SAME AS ABOVE	DYNAMOTOR ONLY							4.95
PE-98	14	21.0	300	.260					
			150	.010	12x5x8	35	SCR-522	5.95	9.95
PE-98	SAME AS ABOVE,	DYNAMOTOR ONLY,	NO FILTER,		VOLTAGE REG. RELAY			3.95	5.95
PE-101	13/26	12/6	400	.135	14x4x7	15	BC-645	4.95	7.95
			800	.020			ABA		
			9 v 80cyc	1.12A					
PE-133	12	2.3	230	.090	4x7x6	1	BC-1003	4.95	6.95
DY-1	14	2.4	250	.060	3x3x4	3	VARIOUS		4.95
DY-2	28	1.2	250	.060	3x3x4	3	"	2.95	4.95
DY-9	26	4.3	360	.135	9x5x3	10	"		9.95
DY-10	13/26	4.3/8.7	"	"	"	11	"		12.95
DY-21	27	7.0	410	.325	7x3x3	9	T-67/ARC-3		7.95
DY-22	27	1.8	210	.125	3x3x6	5	R-77/"		4.95
DY-17A/ART-13A	EICOR ML-5023-1	SPECIAL							
	28	33	1190	.350	6x8x12	33	T-47A/ART-13	15.00	20.00
DY-17	27	32	410	.400	"	30	"		12.95
DY-17	27	33	750	.350	"	30	"		12.95
			400	.750					
DY-17	DYNAMOTOR ONLY	LESS FILTER	BASE						6.95
DA-1A	28	1.6	230	.100	3x3x5	6	VARIOUS	3.95	6.95
DA-1F	25	14.8	540	.450	4x4x8	15	"		9.95
DA-12	12.5	29	540	.450	"	15	"		20.00
			25	14.8	"		"		
DA-14	14	3.3	230	.100	3x3x6	6	"	4.95	6.95
DA-19	28	11	400	.400	8x4x4	13	"	4.95	6.95
D-401	12	9.9	400	.180	4x4x7	10	T.C.S.		6.95
D-401SP	12	9.9	440	.200	"	10	TCS/CP	6.95	8.95
D-402	12	3.8	220	.100	3x3x5	3	T.C.S.		4.95
41S6	13	13.0	300	.225	8x4x4	10	VARIOUS		7.95
			DUAL OUTPUT	.060					
377	14	8.0	425	.163	5x6x8	13	"	6.95	9.95
21772	12	3.0	235	.075	6x5x4	7	"		4.95
12B6534	24	1.75	300	.070	3x3x4	3	UNK		4.95
DMX310	12	2.8	150	.100	3x3x4	3	"		4.95
D101	27	1.75	285	.075	"	3	RT-7/APN-1	3.95	5.95
PM-0516	12/24	6/4	275	.110	7x4x3	6	MARK II #3		6.95
			WILL ALSO SUPPLY 12 V FROM 24 OR 24 V FROM 12 @ 3 AMP.						
VRC-2	5.5	31	600	.175	7x4x4	8	T-193		7.95
259K1003	24	7	405	.270	7x4x5	12	MOTOROLA		6.95
MA-2503	6	3.6	250	.030	3x5x3	6	BC-1323		4.95
DMF-519H	28	1.0	630	.500	8x4x4	10			14.95
DYA4223F	28	28	1000	.500	8x4x4	15			9.95
CARTER									
633BS2B	12	25	650	.300	6x4x3	12	NEW MANUF.		20.00

INVERTERS



EICOR INVERTER X3516-1
 INPUT: 27.5 VDC 165 AMPS.
 OUTPUT: 115 VOLT 400 CYCLE
 2500 V.A 1 PHASE
 SIZE: 16x11x8; WT: 75 LBS.
 EXCELLENT COND. \$49.50

PE-2180 INVERTER
 INPUT: 25/28 VDC 80-90 AMP
 OUTPUT: 115 V 400 CYCLE
 13 AMP; 1 PHASE
 SIZE: 17x10x9; WT: 75 LBS.
 PRICE: UNUSED \$50.00

5D21N3A INVERTER
 INPUT: 27 VDC 35 AMPS.
 OUTPUT: 115 VAC 400 CYCLE
 1 PHASE 2.17 AMPS.
 SIZE: 9x6x5; WT: 25 LBS.
 USED \$16.95 UNUSED \$24.95

MG-149F INVERTER
 INPUT: 24 VDC 36 A. 750 VA.
 OUTPUT: 115 V. 400 CYCLE
 1 PHASE 500 VA & 26 V. 400
 CYCLE 1 PHASE 250 VA.
 SIZE: 12x8x8; WT: 25 LBS.
 PRICE: USED \$24.95

INVERTER
 INPUT 27.5VDC 60A
 OUTPUT 115 V 400 CY
 750 W 3 PHASE
 26 V 400 CY
 50 W 1 PHASE
 SIZE 11x10x6; WT: 40 LBS.
 LELAND#10285 USED \$34.95

LELAND MS-17404 INVERTER
 OUTPUT: 115/200-115V.
 400 CYC. 3 PHASE/1PHASE
 2500VA. INPUT: 28 VDC
 170 AMPS. SIZE: 12x7x10
 SHPG. WT: 60 LBS.
 PRICE: UNUSED \$75.00

INPUT: 24 VDC @ 75 AMPS.
 OUTPUT: 115 V. 600 CYC.
 1 PHASE
 10.5 AMPS.
 WT: 35 LB.
 SIZE: 4x8x12.
 UNUSED \$14.50

GENERAL ELECTRIC AIRCRAFT ENERGIZER #6PD2G5AB10
 INPUT: 220/440 VOLTS 41/20.5 AMPS; 3 PHASE 60 CYCLE.
 OUTPUT: 14-35 V. REGULATED
 265 AMPS CONT. @ 28.5 VDC
 500 AMPS INTMT.; 3500 RPM
 SIZE: 32x18x10 SHPG. WT: 670 LBS.
 UNUSED \$250.00

JACK & HEINTZ INVERTER #AN-3532-2 INPUT 27.5 VDC @ 20 AMPS. OUTPUT 115 VOLT 400 CYCLE, 3 PHASE, 250VA VOLTAGE REGULATED.
 SIZE: 12x7x4; WT: 20 LBS.
 FED#6125-617-0967
 USED \$14.95 RE-COND. \$22.95

VIBRATOR

POWER SUPPLIES

VIBRATOR PACK 12 VDC
 INPUT, 275 VDC @ 80 MA.
 OUTPUT SELF RECTIFYING,
 SIZE: 5x6x3
 WT: 7 LBS.
 MALLORY-369
 USED \$4.95

MALLORY#12B300C; 12 VDC @ 3 AMPS. INPUT, 300 VDC @ 100 MA. OUTPUT. SIZE: 6x4x3; WT: 10 LBS.
 PRICE: LESS RECTIFIER TUBE USED \$4.95

TBY VIBRATOR PACK CLG20144
 INPUT 4 VDC @ 2.5 AMP.
 OUTPUT 156 VDC @ 35 MA. 1.5 VDC @ 190 MA. & 7.5 VDC @ 35 MA. SIZE: 6x4x3; 8 LBS
 USED \$4.95

PE-104 POWER CONVERTER.
 6 OR 12 VDC INPUT, OUTPUT 90 VDC, 1 1/2 VDC AND -45 VDC. SIZE: 4x4x7; WT: 10 LBS.
 NEW \$3.95 W/EXTRA VIB. \$4.95

PP-855/PRC-14 VIBRATOR POWER
 SUPPLY WITH FILTER NETWORK.
 6 VOLTS DC INPUT, 5.35 AMP OUTPUT 135 VDC @ 155 MA.
 SIZE: 7x2x2; WT: 3 LBS.
 NEW \$4.95

DUAL SIX VOLT D.C. VIBRATOR POWER SUPPLY.
 OUTPUT 540 VDC @ 150 MA.
 CAN BE TAPPED AT 270 VDC.
 WITH 2/0Z4 TUBES.
 SIZE: 9x6x5; WT: 10 LBS.
 STK#3H6694-5 NEW \$7.95

PE-237 POWER SUPPLY FOR BC-1306 GRC-9

VIBRATOR TYPE WITH 1005 & 1006 TUBES ALSO VB-16 VIB.
 VOLTAGE REQ. 6 OR 12 OR 24 VDC, OUTPUT 525 VDC @ 90MA
 105 VDC @ 42 MA. 6.5 VDC @ 2 AMP, 6 VDC @ 500 MA.
 1.3 VDC @ 450 MA. & 130 VDC @ 17 MA. SIZE: 10x10x17;
 WT: 85 LBS. RE-COND. \$19.95

PE-120 POWER SUPPLY FOR BC-659 BC-620 TRANS. RECEIVER. VIBRATOR TYPE VOLTAGE REGULATED.
 WITH TUBES VR-105/OB-3, 1005 & BALLAS- VOLTAGE INPUT 6 OR 12 OR 24 DC OUTPUT 145 @ 175 MA, 90 @ 40 MA & 1.5 @ .75 AMP.
 SIZE: 4x13x15; WT: 30 LBS.
 RE-COND. \$7.95

PP-18 CONVERTER
 12 VDC 4 AMP TO 24 VDC 1.5 AMP.
 PARRALLEL FOR MORE CURRENT.
 WITH SPARE VIBRATOR & 3500 MFD. 25 VOLT CAP. ALSO PLUG
 SIZE: 6x5x8; WT: 10 LBS.
 NEW \$4.95

GENERATOR

GENERATOR G-24 AC-DC
 115 V. 800 CYC 10.5 AMPS.
 24 V. D.C. 60 " "
 SPLINE SHAFT SIZE 7/8x1 1/2
 SIZE: 6x7x13; WT: 45 LBS.
 RE-COND. \$24.95



D.C. GENERATOR 30 V. 200 A.
 4400 TO 8000 R.P.M. 1/2x1 1/2 IN
 SPLINED SHAFT, FLANGE MTG.
 SIZE: 10x6x8; WT: 36 LBS.
 GE#20M637B RE-COND. \$24.95



BENDIX GENERATOR 12 VOLTS
 D.C. 50 AMPS. SPLINED SHAFT
 3/4x1 1/2, 6" FLANGE, 12 MOUNT-
 ING HOLES, 3500-4000 R.P.M.
 SIZE: 6x11; WT: 36 LBS.
 #R-86-EC310-27A NEW \$12.95

TRAILER LIGHTS
BALANCING LOAD
ASSY. USED FOR
TAIL AND STOP
LIGHTS. CONTAINS
RESISTORS 1.1
40 WATT, 1.5
40 WATT, .6 &
.8 OHM 70WATT
SIZE 7x2x4;
3 LBS. MOPAR #B7015812 \$1.50

BUZZER 24/28
VOLTS D.C. IN
SEALED CAN.
TWO HOLE MTG.
SIZE: 3x2x1 1/2;
WT: 1 LB. #MH-12079 \$.75

TS-446 R.F. NEON INDICATOR
IN LUCITE PROBE, NE-2 BULB
SIZE: 4 1/2 x 2 1/2 W/CLIP \$1.00

GEARED MOTOR & POTENTIOMETER CONTROL. EASTERN AIR MOTOR J33D-24, 120 V. 400CY 1/50 H.P. CONNECTED TO GEARED ASSY TERMINATING TO SPLINED SHAFT RECEPTACLE, SMALL TYPE, THAT TURNS 45 RPM, ALSO GEARED TO TRIPLE GANGED POTS. THAT TURN 1/5 RPM WITH INDICATOR, 2 POTS 1K OHM 1/200K. SIZE: 5 1/2 x 3 1/2 RD. WT: 3 LB. #7608155 REM \$3.

CRY BUTTONS REFLECTORS, CAN BE USED TO MAKE SIGNS OR MARKERS. SHINE WHEN LIGHT STRIKES 3" DIA. REQUIRES #10 NUT FOR MTG. NO #15-1. CARD OF 100 \$2.00

MAGNETIC AMPLIFIER SENSING UNIT; THIS UNIT HAS 8 TERMINALS AND WAS MFG. BY MAGNETIC AMPLIFIERS INC. THE SPECS. WE DO NOT HAVE AVAILABLE. SIZE: 2x2x4; WT: 1LB. #AC-60079, 16 UNUSED \$1.50

TELEREGISTER READOUT
IMPLUSE COUNTER RACKET TYPE NUMBERED 1-2-3-4-5-6-7-8-9-0, OPERATES FROM 12 VOLT DC NUMBER SIZE 3/8x1, MASK SIZE 1-3/8x1-7/8 LENGTH 4" WT: 2 LB. #TELEREGISTER K-1. PRICE: 79¢ EA. 2 FOR \$1.50

BRUSH SETS

DY-12	DM-21	DM-25	DM-28	DM-32
DY-17	DM-33	DM-34	DM-35	DM-36
\$3.00	DM-37	DM-40	DM-41	DM-42
PER	DM-43	DM-45	DM-53	DM-64
SET	BD-63	BD-77	BD-93	BD-69
	PE-73	PE-86		
	DA-1A	DA-12	DA-14	DA-1F
	DY-21	DY-22		SP-125

OTHER TYPES ALSO AVAILABLE SET OF FOUR BRUSHES \$1.00

TIME-O-MATIC SIGN CONTROL MODEL 53 K-156 115 VOLT 60 CYC. TWO CONTACTS 15 AMPERES EACH, ONE CONTACT MAKES & BREAKS EACH SEC. THEN MAKES FOR 7 SEC. OTHER CONTACT MAKES FOR 11 SECONDS THEN BREAKS FOR 3 SECONDS JUST AFTER FIRST CONTACT FINISHES MAKING & BREAKING SIZE: 2x4 1/2 x 6; 3 LB. \$2.95

TIME-O-MATIC SIGN CONTROL MODEL 53 K-155 115 VOLT 60 CYCLE, THREE CONTACTS 15 AMPERES EACH, TWO (2) CONTACTS ALTERNATE MAKE AND BREAK ONCE PER SECOND FOR 15 SECONDS, OTHER CONTACT BREAKS FOR 20 SEC. WHILE THE OTHER 2 ARE ALTERNATING THEN ALL 3 MAKE AT THE SAME TIME. THEN CYCLE REPEATS AGAIN. SIZE: 3x5 1/2 x 6; 3 1/2 LBS. \$4.95

SYNCHRON CLOCK MECHANISM, No. 610 110 V. 60 CYC. 3 WATT 1 RPM MOTOR #143RA WITH GEAR ASSY WITH RESET. ALSO DUST COVER. SIZE: 3x3 1/2 x 2; 1 LB. #33-18-C1 \$1.75

SYNCHRON CLOCK MECHANISM, No. 610 110 V. 60 CYCLE 3 WATT 1 RPM #EC-129RB, WITH GEAR ASSY, NO RESET OR COVER. 2x2x2 1/2; 4oz. \$1.35

HANSEN SYNCHRON CLOCK MOTOR 110 VOLT 60 CYCLE ONE R.P.M. MODEL 600 \$1.50

HANSEN SYNCHRON CLOCK MOTOR 110 VOLT 60 CYCLE 10 R.P.H. MODIFIED WITH SLEEVE OVER SHAFT TO 24 R.P.H. #A12-RC-12-62 \$1.50

CRAMER TIMER SWITCH ASSY. MODEL TC-60SEC, 230 V 60 CYC, SWITCH 5 AMP. CONT. 3.8 W. 4/5 RPM MOTOR. \$1.95

TIMER 115 VOLT 60 CYCLE 1 RPM WITH 15 AMP. 115 VOLT 60 CY MICROSWITCH. ACTUATING WHEEL CAN BE NOTCHED FOR SHORTER PERIOD OF CONTACT. SIZE: 3x2x2; WT: 3 OZ. HAGAN #04465 RE-MOVED \$2.95

TIMER SPRING WOUND 360 DEGREES ONE HOUR, CAN BE TURNED ANY DEGREE & BELL WILL RING WHEN SPRING IS UNWOUND. SLOTTED & FLATENED SHAFT FOR KNOB. LUX #230 SIZE: 2 1/2 x 1 1/2; WT. 4 OZ. \$1.00

AS-207/CRT-3 ASSY WITH 300 FOOT OF 16 STRAND BRAIDED CADMIUM ALLOY COPPER WIRE ON RL-48 REEL WITH CRANK MOUNTED TO ALUMINUM DOOR WITH ADJUSTABLE BRAKE AND SNAP SWIVEL USED AS ANTENNA FOR GIBSON GIRL TRANSMITTERS, WIRE IS ATTACHED TO BALOON OR KITE WHICH IS NOT SUPPLIED. SIZE: 4x2; 2 LBS. \$5.95

CO-213 CABLE 7 #20 SHIELDED 2 SEPARATE RUBBER-CVDR. 29 FT. \$2.50; 39 FT. \$3.50
CX-76 CABLE RUBBER COVERED 2 CONDUCTOR #10 15 FOOT LENGTHS LUGS ONE END. 5 LBS. \$1.75 3 FOR \$5.00
BIRNBACH #7218 SIZE 18 STRANDED TYPE WL. EXT. NYLON JACKET 1000 FT. REEL \$5.00

ELECTRIC DEFROSTER
6 VOLTS D.C. DEFROSTER FOR CAR OR TRUCK. USE TWO IN SERIES FOR 12 VDC. MOUNTS BY USE OF SUCTION CUPS, HAS FOUR WIRES RUNNING THROUGH GLASS WHICH IS 8"x16". THREE FOOT CORD WITH CONNECTOR FOR LONGER LENGTH CABLE, SWITCH FOR LOW & HI. COMES IN METAL STORAGE CASE WT: & LBS. PRICE: \$3.95

VERNIER SET ATC TIMER WITH 15 MIN. TIMING PERIOD. SYNCHRONOUS MOTOR OPERATES FROM 230V 60 CYC AND HAS SPDT CONTACTS FOR CONTROL OF INDUSTRIAL EQUIPMENT. SIZE 6 1/2 x 5 1/2 x 3 1/2 WT. 5 LBS. PRICE \$9.95 NEW

IMMERSION HEATER 24 VOLT AC/DC 50 W. WATTS
2 GALLON, 3" PRESS CAP, 4 1/2" SCREW CONE, 12" HEATING ROD & 5 FT. CORD. WT: 4 LBS. #FCEA8801 \$2.95

IG-1 TELEGRAPHY SOUNDER; 4" TOTAL RESISTANCE OF COILS 250 MA MAX. OPERATING CURRENT. ALUMINUM SOUNDING BAR, BRASS BRIDGE AND SOUNDER PLATE, WOOD BASE. 2 ADJUSTABLE SOUNDING BAR STOPS, 1 ADJUSTABLE TENSION SPRING SCREW; 2 TERMINAL SCREWS ON BASE. SIZE: 5 1/2 x 4 1/2; WT: 3 LBS. #4A2301 PRICE: \$4.95

TIME MARK TIMER SPRING WOUND 15 MINUTE UNIT OR ANY PART OF CLOSING SWITCH AT END OF PERIOD, 115 VOLT 15 AMP CONTACT SIZE: 2 1/2 x 1 1/2; WT: 3 OZ. RHODES #1462 NEW \$2.50

BELL 1" GONG 3 VDC EDWARDS #13 VDC SIZE 1, CHROME PLATE USED WITH BD-71-72 SWITCHBOARDS. SIZE 3/8x1x3; 2 OZ. #42416 59¢ 2/\$1

6/12 VDC BUZZER CHROME, 1x1x1; 2 OZ. #J-3 59¢
PUSH-BUTTON SWITCH CHROME & BLACK, SINGLE HOLE MTG. NO. #J-3-PB 39¢

ALLIGATOR CLIP WITH PINCH SPIKE JAWS AND SCREW HOLDER FOR WIRE, 2" LONG. 12 FOR \$1.00

RADIO FREQUENCY SECTIONS TRANSMITTER - RECEIVER 418-462 MC PART OF R/T-7/APN1

TRANSMITTER SECTION OSCILLATOR CAN BE ADJUSTED BETWEEN 425-440 MC. WITH TWO 955 TUBES (NO WOBULATOR) HOUSED IN ALUMINUM CAN 2 1/2 x 3 x 6"; 2 LBS. RE-MOVED FROM EQUIPMENT.
RECEIVER SECTION, BALANCED. DETECTOR WITH 2-9004 TUBES. HOUSED IN ALUMINUM CAN 2 1/2 x 3 x 6"; WT: 2 LBS.
RE-MOVED FROM EQUIPMENT
RT-7/APN-1 RECEIVER OR TRANSMITTER SUB-ASSEMBLY
PRICE: WITH TUBES... \$1.50
LESS " .75

BROADBAND TUNER 14 TO 50 MC VARIABLE CAPACITOR COUPLED TO VARIABLE INDUCTOR, AS CAPACITOR IS ROTATED, IRON SLUG IS MOVED IN AND OUT OF COIL. BALANCE OF ASSY. CONSISTS OF CERAMIC SOCKET, RESISTORS AND CONDENSORS TO MAKE RF TUNER. SIZE: 3 1/2 x 2 x 3; WT: 1 LB. RT-45 TUNER ONLY \$1.95

VARI-GON PHASE SHIFT CAPACITOR V-42, USED FOR ACCURATE MEASUREMENT OF TIME INTERVALS IN RADAR SYSTEMS. CAPACITY OF INPUT PLATE TO HOUSING 4.4 MMF. OUTPUT PLATE 15.6 MMF, CAP. VAR. OF INPUT TO OUTPUT PLATE 1.2 TO 4.9 MMF. SIZE: 2 1/2 x 1; 1 LB. \$2.95

CAPACITY TUNER WITH AUTOTUNE 160 TO 211 MC WITH COND. RESISTORS 2/50-239 1/2C26 TUBE. 7 1/2 x 5 1/2 x 7 LBS. WITH TUBE \$2.95

RT-58/ARC-12 CHANNEL SELECTOR AND MOTOR ASSY. 10 POSITION AUTOTUNE MOTOR DRIVEN 26.5 VDC WITH 2 SHAFTS 60 RPM ALSO RELAYS. 4 1/2 x 6 x 3 1/2; 5 LB. #596C-1 \$2.95

MULTIPOSITION HI-Q SWITCH. 6 POLE 18 POSITION NON-SHORTING GOLD PLATED TERMINALS. SIZE 3x3x4 1/2, SHAFT 1x1 1/2 2 LBS. #5930-626-6224 HI-Q-60083 \$2.95

RATE-GYRO No. 8511364 28 VOLTS D.C. GYRO MOTOR WITH POTENTIOMETER. WESTERN ELECTRIC GA-10147-3 SIZE: 2 1/2 x 2 1/2 x 4; WT: 3 LB. \$4.95

COMMAND RECEIVER COILS

85 KC 1.F.	\$1.50
1415 KC 1.F.	\$1.50
2830 KC 1.F.	\$1.50
1415 KC OSC.	\$1.00
2830 KC OSC.	\$1.50
3 TO 6 MC RF	\$1.50
6 TO 9 MC RF	\$1.50

BUD TRANSMITTING COIL MOUNTED ON 5 PIN CERAMIC BASE FOR 40 METERS #3C804 \$1.00

MEISSNER COIL KIT FOR SIGNAL SHIFTERS, PLUG IN TYPE. THREE (3) COILS OSC. PLATE, OSC. GRID AND BUFFER, 5 & 6 PRONG BASES. SET OF 3 COILS 3C2500-52 2395-2835KC \$1 3C368-14 1000-1170KC \$1

465 KC 1.F. COIL SLUG TUNED IRON CORE #PC77366-7 \$.75

30' MC 1.F. COIL SLUG TUNED IRON CORE #227943.8 \$.50

F.M. TUNER 88-108 MHZ THREE TRANSISTORS IN R.F. OSCILLATOR & MIXER STAGES 10.7 MHZ OUTPUT. MINATURE CONSTRUCTION BY LEAR CO. SIZE: 2 1/2 x 1 1/2 x 1; WT: 4 OZ. LEAR #604-236 USED \$1.00

SYNTHESIZER I.F. & A.F.C. DETECTOR STRIP ASSEMBLY. FIRST IF MIXER APPROX. 12 MHZ, 2 STAGES OF AMPLIFICATION FEEDS INTO MIXER WITH IF APPROX. 500 KHZ, WITH TUBES 3/5702, 1/5703, 1/5829 & 1/5784, 2/UG-1051 COAK. CONN. CRYSTAL SOCKET, INPUT CONN. RESISTORS, COND. ETC. SIZE: 9 1/2 x 3 x 1; WT: 3 LBS. #RD-28105 USED \$2.95

BROAD BAND AMPLIFIER 60 MC 5 MC BAND WIDTH USING 5-717 TUBES, TRANS. COUPLING INPUT STAGES 2 & 3 & DETECTOR, STAGES 2 & 4 TUNED CIR. 60 MC. DC VOLTS 280. PLUG-IN UNIT WITH OCTAL MALE TUBE TYPE BASE, SINGLE TYPE INPUT JACK. SIZE: 13x3x2; WT: 5 LBS. WE #D150786 P/O BC-1148 PRICE: WITH TUBES \$3.95 LESS TUBES \$1.95

AUTOMATIC FREQUENCY CONTROL; TWO STAGE AMPLIFIER DISCRIMINATOR & DC AMPLIF. USING 2/6AC7, 1/6H6 & 1/6SE7 TUBES. RESISTANCE COUPLED INPUT & OUTPUT, SLUG TUNED INPUT. TUBE TYPE 8 CONTACT PLUG, SINGLE CONT. INPUT & OUTPUT JACKS AND VAR. POT. DC VOLTAGE REQ. 280. USED W/ ABOVE UNIT. SIZE: 8x2x1; WT: 1 LB. WE #D150980 P/O BC-1148 PRICE: WITH TUBES \$3.95 LESS TUBES \$1.95

VIDEO AMPLIFIER MODULE FOR APS-44 RADAR WITH 3/5977 TUBES, RESISTORS & 15 PRONG PLUG. P/O AM-574/APS-44; 8 OZ. SIZE: 3x3x3 1/2; PRICE: \$1.00

AC-DC Motors

Hi-Speed

Gear Reductions

Blowers

G-25A HAND TYPE MAGNETO GENERATOR USED TO RING TELEPHONE LINES; APPROX. OUTPUT 100 VOLTS. CAN BE USED AS SHOCK MACHINE, LIGHT SMALL LAMPS OR DRIVE WORMS OUT OF THE GROUND. PERMANENT MAGNETS. SIZE: 4 1/2 x 2 1/2 ROUNO; SHPG. WT: 1 1/2 LBS. USED \$2.95



DC AIRCRAFT MOTOR; GE #5BA50LJ29 .4 HP; 300 RPM; 60 ARM V. 27 AMPS. FLO. 2.3; ARM 6.5; DUTY: 10 MIN. INT. AT FULL ARTING; SHAFT: CORK SCREW 5/8" OIA. FLANGE MTG. 3/8 CNTS SIZE: 6 1/2" LESS SHAFT 4 1/2 x 4 1/2; WT: 11 LBS. UNUSED \$4.95



MARK-18 GUNLIGHT GYRO UNIT; CONTAINS 2 AUTOSYNS WHICH ARE CONNECTED BY A SPRING BELT. MOUNTS FOR 1 1/2" AND 2 1/2" MIRRORS ON UNIT. MIRRORS NOT AVAILABLE. SIZE: 3 1/2 x 3 1/2 x 5 WT: 3 LBS. USED \$1.00



RATCHET MOTOR, 24 VOLT DC 60 RPM CONTINUOUS ALSO 3 POSITION STOP. BANO SWITCH ASSEMBLY AS USED IN R-5/ARN-7 COMPASS RECEIVER. UNIT WILL ALSO OPERATE ON 18 TO 24 VDC. SIZE: 3 1/2 x 1 1/2; WT: 1 1/2 LBS. STK# 609-APN-7 PRICE: \$1.25



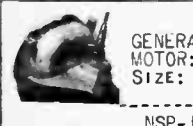
WESTINGHOUSE BUSINESS MACHINE MOTOR 25 MHP 115 VOLTS 50/60 CYCLE 5/4 AMPE TYPE FL 4.0/3.0 MFD. 1425/1725 RPM. SIZE: 4 1/2 x 4 x 4; WT: 5 LBS. SHAFT 5/16 x 1/2 FLATENED. FOR USE IN RUBBER SHOCK MOUNTING BRACKE PRICE: NEW \$4.95



TELETYPE MOTOR AC; 110 VOLT 60 CYCL 1 PHASE, NON-SYNCHRONOUS, 1/25 HP, 1800 RPM, 1.25 AMP., DOUBLE SHAFT 1 1/2 x 3/16 & 5/8 x 3/16, MOTOR SIZE 5 1/2 x 5 x 5; WT: 13 LBS. GE#28478 USED \$4.95



LEECE-NEVILLE 24 VOLTS D.C .75 H.P. 4500 R.P.M 45 AMPS. SPLINEO SHAFT 5/8" x 3/4", WITH FOUR HOLE MOUNTING BASE AND FOUR HOLE MOUNTING FL. 4 1/2 x 4 1/2, MOTOR SIZE 4 x 4 x 7; WT: 24 LBS. LE TYPE #1504M UNUSED \$7.95



GENERAL INDUSTRIES HEAVY DUTY PHONOGRAPH MOTOR; 115 VOLT 60 CYCLE 33 1/3 RPM SIZE: 4 x 4 1/2 x 4; WT: 6 LBS. GI#4483 \$1.95



NSP-11-R SPEED REDUCER MOTOR, BODINE MFG. 115 VAC .30 AMPS; 1600 RPM SINGLE PHASE, 1/250 HP 60 CYCLE; CONT. DUTY. GEARSHAFT RPM: 44; TORQUE: 2.8 IN-LBS. WITH STAND. ELECTRICAL PLUG AND ON-OFF SWITCH. 7 1/2 x 5 1/2 x 4 2" L. 3/8" OIA. SHAFT. WT: 10 LBS. PRICE: USED \$5.95



PM MOTOR ASSEMBLY & GEAR TRAIN USED IN R-44 RECEIVER FOR REMOTE TUNING. CONTAINS DELCO PM MOTOR #5069370, 10,000 RPM ATTACHED TO A GEAR ASSY. THAT HAS TWO SHAFTS 80 RPM AND IS GEARED TO TWO SHAFTS WITH 3" & 1/2" GEARS THAT THAT TURN AT 40 & 80 RPM. ASSY SIZE 4 1/2 x 6 x 3; SHAFT SIZES 1/2 x 3/4 WT: 3 1/2 LBS. STK. #3H3100-15 PRICE: \$4.95



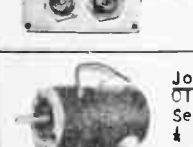
DELCO P.M. MOTOR 5067125, 27 1/2 VDC 10,000 RPM. 2/ GOVERNOR AND TAPERED SHAFT 1/16 x 3/16, MOTOR SIZE 3 x 1 x 1. PRICE: USED \$3.95



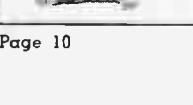
DELCO MOTOR 27 vdc, 1/30 HP. 2.4 AMP 3600 RPM. SHAFT SIZE 1/2 x 1, MOTOR 5 1/2 x 2 1/2. WT: 1 1/2 LB. UNUSED \$2.95



DELCO P.M. MOTOR #5069466, 27.5 VDC IN ALUMINUM CASE GEARED TO WORM GEAR MOTOR SIZE 1 1/2 x 1 1/2 x 2 1/2, 10,000 RPM. CASE SIZE 2 1/2 x 2 1/2 x 2 LESS MTG. SIZE. WORM GEAR 2000 RPM, WT: 2 LBS. STK# 3H3100A-1 PRICE: \$2.95



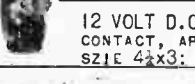
John Oster type C 24A-1B - KS-5829-01 27 VDC 1/100 HP 7000 RPM DC Series Motor 2" D X 3" L. Shaft 1/4 x 1 Wt. 1 lb USED 75¢ UNUSED \$1.25



MERCURY MOTOR 24 TO 28 VOLT 60 CYCLE OPEN FRAME TYPE, APPROX 2500 TO 3000 RPM OPENING ON OPERATING VOLTAGE & LOAD. SIZE: 2 1/2 x 2 1/2 x 3; WT: 1 LB. #MER-MO2428 75¢



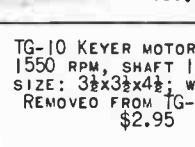
EMC TYPE 300, 45 v 60 cyc, 6 1/2 RPM LIGHT OPEN FRAME 5 1/2 x 2 1/2 x 1 1/2; SHAFT 3/16 x 1; 1 LB. \$1.50



12 VOLT D.C MOTOR w/ MAKE & BREAK CONTACT, APPROX. 5000 RPM, 1/20HP SIZE 4 1/2 x 3; SHAFT 1/2 x 1/2; #ENOT453 PRICE: \$1.95



Delco 5069370 27 VDC Reversible PM Motor and Gear assm. in an Aluminum case. Output speed is 80 RPM through a friction clutch to a double shaft 1/2 x 3/4 on one side, 1/2 x 1/2 on the other. Size complete assm. 5 5/8 x 2 x 4 1/2 excluding shaft. Has built in noise filter system. Wt. 1 lb. 5 oz. Price..... \$ 4.95



TG-10 KEYER MOTOR, 115 VOLT 60 CYCLE 1550 RPM, SHAFT 1-7/8", GEARED TO 80 RPM. SIZE: 3 1/2 x 3 1/2 x 4 1/2; WT: 3 LBS. #3H3000-3 REMOVED FROM TG-10 EQUIPMENT \$2.95



MOTOR OPEN FRAME, 117 V. 60 CYC 500 RPM 1 DIRECTION 1000 OTHER. SHAFT 1/16 x 1/2; 2 x 3 x 4; #B30B 2LB \$1.



MOTOR 24 VDC, 2800 RPM, 6.5 AMP. 1/10 HP. SHAFT 1/2 x 1, REVERSIBLE. 5 x 3 x 3; 6 LB. EMERSON 0412 \$3.95



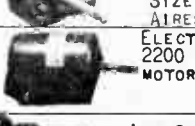
LINEAR ACTUATOR, STAT. 200, TENS. 40 COMP. 40, ARM TRAVEL 5/16". MOTOR 115v. 400 CYCLE; 6000 RPM DUTY 1/10; .04 HP; TORQUE 6.7 IN-OZ. SIZE: 5 x 5 x 3 1/2; WT: 5 LB AIRESEARCH#34930 USED \$3.95



WE KS-5871-101 MOTOR 28 VDC 3.3 A 5600 R.P.M. 1/25 H.P. SERIES WIND CONTINUOUS DUTY, REVERSIBLE, WITH SPEED GOVERNOR. (WILL ALSO OPERATE FROM 12 VDC AT REDUCED SPL SHAFT 1/2 x 1/2, MTR. 6 1/2 x 3 1/2; 5LB; U/U \$7.95



Bendix LM108J 24VDC 1/25 HP 15,000 RPM Series Motor. Geneva Loc. Actuator. Shaft rotates 1/4 revolution and stops and is locked in place until next contact is made then the cycle is repeated-time per cycle app. 3 seconds. Size 4 X 2 1/2 X 5 1/2. Shaft size 1/2 x 1/2. Wt. 1 lb. 14 oz. Price..... \$ 4.95



LINEAR ACTUATOR, STAT. 200, TENS. 75-100, COMP. 75-100, ARM TRAVEL 1/2"; MOTOR 115V. 400 CYCLE; 6500 RPM. .025 HF 1.2 AMP, 1-10 DUTY; TORQUE 3.9 IN-OZ. SIZE: 5 x 8 1/2 x 4 1/2; WT: 4 LBS. AIRESEARCH#30146-120 USED \$3.95



ELECTROLUX MOTOR 28.5 VDC. 1.8 AMPS. 2200 RPM. 1/35 H.P. SHAFT SIZE 1 1/2 x 1/2 MOTOR SIZE: 4 1/2 x 3 1/2; WT: 5 LBS. PRICE: \$3.95



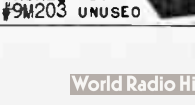
LOW SPEED MOTOR; 230 v 60 cyc. 10 R.P.M WITH GEAR BOX, SHAFT 1/2 x 1/2" MOTOR SIZE 2 1/2 x 2 1/2 x 4; 2 LBS. \$1.95



EIGHTY (80) VOLT 60 CYCLE 78 RPM PHONO MOTOR ON MOUNTING PLATE. WILL ALSO OPERATE FROM 110 V w/RES. 3x3x3; 2LB \$5.9



AC GEARHEAD MOTOR; GE MOTOR #5KC35KG 115 VAC 60 CYCLES; .25 HP 1725 RPM. THERMALLY PROTECTED. BOSTON RATIO-MOTOR GEARHEAD: 35 RPM; TORQUE 192 FT-LBS. RIGID CRD MOUNTING. SIZE: 14 1/2 x 6 1/2 x 6 1/2 LESS 1/2" OIA. SHAFT. SHPG. WT: 50 LBS. USED \$39.50



GEARHEAD MOTOR 115 V. \$2.95 60 CYC. 54 RPM, OPEN FRAME F/MEO USE, SHAFT 5/16 x 1/2 4 x 3 x 2 1/2 MO. #9M203 UNUSED

ART-13 MOTOR 28 VOLT DC 3900 RPM, 1/20 H.P. REVERSIBLE, BALL BEARING. (WILL OPERATE 12 VOLT SIZE 3 x 3 x 3 1/2; 2LB. #B-101/8037 800. USED \$1.75 UNUSED \$2.75



OSTER 10 CFM Blower John Oster motor C2BF-1A 27.5 VDC 1/100 HP 6000 RPM with blower 10CFM, Size 3 1/2 x 3 1/2 x 4 1/2 Wt 1 1/2 Motor & Blower \$3.95 Motor only 1.95



400 CYCLE BLOWER Eastern Air Devices 10 CFM Blower 115 Volt 400 cycle, 1/100 HP motor. Size 3 1/2 x 3 1/2 x 4 1/2 Wt. 1 lbs. PRICE: \$2.95



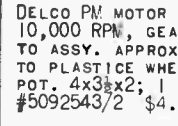
PINCOR BLOWER Cast Aluminum housing shunt type motor 24 VDC 5000 RPM, 10 CFM blower. Motor noise filtered. Wt 1lb 10 oz. Size 3 1/2 x 4 1/2. PRICE: \$2.95



ARN-6 BANDSWITCH GEAR AND MOTOR ASSY. 28VDC. BENOIX M-4A MOTOR. ASSY. SIZE: 1 1/2 x 2 1/2 x 3 1/2; MOTOR SIZE: 1 1/2 x 2 1/2 x 1 1/2; WT: 3LBS. \$2.95



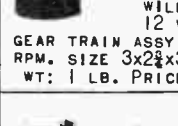
DELCO PM MOTOR 12 VDC 10,000 RPM, GEARED TO ASSY. APPROX. 250 TO PLASTIC WHEEL & POT. 4 x 3 1/2 x 2; 1 LB. #5092543/2 \$4.95



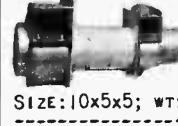
B-701/R-107 MOTOR FROM AS-313/ARN-6 LOOP ANTENNA. OPERATES FROM 26 VOLT 400 CYCLE, WILL OPERATE FROM 12 VOLT 60 CYCLE. GEAR TRAIN ASSY APPROX. RPM. SIZE 3 x 2 1/2 x 3; w/3/8" GEAR. WT: 1 LB. PRICE: \$3.95



12/24 VOLT DC DUAL BLOWER APPROX. 50CFM 1500 RPM @ 12 100 CFM 3000 RPM @ 24 VOLT SIZE: 10 x 5 x 5; WT: 5 LB. U \$2.95



28 VDC BLOWER 6200 RPM SIZE: 4 1/2 x 3 1/2 x 3 1/2; WT: 2 LBS. w/SHUNT MOTOR \$3.95; SIMILAR BLOWER w/PM MOTOR \$6.95



115 VOLT 60 cyc. MOTOR 1/75 HP 1PH 1750 RPM w/3 1/2 x 1" WHEEL, SHAFT 5/16 MOTOP SIZE 5 1/2 x 4 1/2 x 4, 2/BASE 5LB # SM-30-FR USED \$2.95



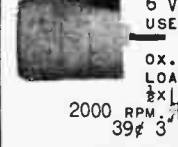
6 VDC PM MOTOR USED IN TOY APPL. DRAWS APPR OX. 100 MA. NO LOAD. 1 1/2 x 1 1/2 x 1 1/2; 1/16. 4 oz. 2000 RPM, #FP-10-6 39¢ 3 FOR \$1.00



GEARHEAD MOTOR 115 VOLT 60 CY 3.44 RPM OPEN FRAME TYPE. F/LIGHT USE. SHAFT 4" 5/16, MOTOR 6 x 2 x 3. 1 1/2 LB. \$1.95 #ZA-1056 UNUSED \$1.95



GEARHEAD MOTOR 115 V. \$2.95 60 CYC. 54 RPM, OPEN FRAME F/MEO USE, SHAFT 5/16 x 1/2 4 x 3 x 2 1/2 MO. #9M203 UNUSED



GEARHEAD MOTOR 115 V. \$2.95 60 CYC. 54 RPM, OPEN FRAME F/MEO USE, SHAFT 5/16 x 1/2 4 x 3 x 2 1/2 MO. #9M203 UNUSED

HARDWARE KIT: CONTAINS 50 CLAMPS OF 5 DIFFERENT SIZES, 20 SCREWS, 5 TYPES, 15 WASHERS, 7 LUGS, 4 HEX. NUTS, 18 SPAC ERG. #RC298 5LB. 75¢



RUBBER SHOCK MOUNTS
 4 LB. #4 \$.30
 6 " #6 .35
 10 " #10 .40
 12 " #12 .50
 16 " #16 .60
 24 " #24 .75
 35 " #5215 .75

OTHER TYPE MOUNTS AVAILABLE IN LIGHTER & HEAVIER. ADVISE NEED

TUBE SOCKETS

OCTAL CERAMIC 2 HOLE MTG. \$.25
 " " " RING " " .15
 " " " BLACK " " .15
 LOCTAL CERAMIC " " .20
 LOCTAL MICA 2 HOLE MTG. .15
 14 PIN MICA SMALL 1 1/2" MTG. .15
 4 PIN CERAMIC 2 HOLE MTG. .25
 5 " " " RING " " .20
 6 " " " 2 HOLE " " .29
 7 " " " " " " .29
 4 7/8 7/9 PIN WAFER " " EA. .10
 7/9 PIN MICA SMALL " " .20
 9 PIN CERAMIC " " .35
 METAL SHIELDS SMALL 7-9 " .10
 1625 AND 837 7 PIN LARGE .59
 829 CERAMIC SOCKET .75
 872 " " W/SHOULDER .75
 811/866 " " W/SHOULDER .75

GIANT 4 CONTACT CERAMIC FOR 872, 21 ETC. 3 1/2" RD. GE #ML7461594-G1 PRICE: USED \$.39

GIANT 4 CONTACT CERAMIC SOCKET FOR 715, 718 ETC. 3 1/2" RD. STK#227684.98 PRICE: NEW \$.50

CERAMIC COIL FORM F/ ART-13 ANTENNA LOAD SIZE 2" x 5". NO WIRE 50¢ WITH WIRE \$1.00

REGULATOR CURRENT AUTOMOTIVE TYPE OPEN FRAME 50 AMP. SIZE 2 1/2 x 2 1/2 x 1 1/2 LB. RD. #G1026184433 DELCO# 884042 \$1.00

TERMINAL STRIPS WITH CLIPPED WIRES
 AMT. TERMINALS - 6 - 8 - 10 - 12 - 14
 1 1/2" WIDE EACH .15 .20 .25 .30 .35
 1 1/2" WIDE " .20 .25 .30 .35 .40

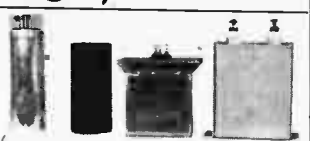
BINDING POSTS 7 ON A BAKELITE STRIP, THUMB SCREW TYPE. TERMINALS. REMOVED FROM EQUIP. PRICE: \$.35 EA. 3 FOR \$1.

SOCKET TURRET, OCTAL, VECTOR MODEL 8-0-9T. 2" TURRET, 3 TERMINALS IN TWO RINGS 1" A-PART. FITS 1" HOLE. 3/8" DIA. #5935-829-5819 \$.59 EA. 2/\$1.

SOCKET TURRET, 7 PIN MINATURE, 1 1/2" TURRET, 3/16" DIA.; 7 TERMINALS ON ONE RING. FITS 2" HOLE. #5935-578-9139 \$.59 EA. 2/\$1.

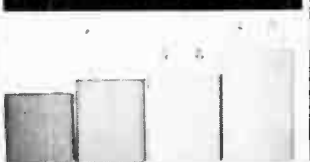
U-102/U ADAPTER TUBE SOCKET; VECTOR MODEL T-8-0. FITS STANDARD 8-PIN OCTAL. FLASH-OVER VOLTAGE 1500+ VDC. 1 1/2 x 1 1/2" #U-102/U \$.59 EA. 2/\$1.

Capacitors



MFD	VDC	SIZE	PRICE
24000	3	4x3 RD	\$1.00
2000	15	1 1/2 x 4 1/2 RD	.59
1000	50	"	.55
3500	35	2 1/2 x 4 1/2 RD	1.00
4000	40	2x4 RD	1.25
7500	35	2 1/2 x 4 1/2	1.95
8000	55	3x4 1/2 USED	1.00
500	200	2x4 USED	1.00

OIL CAPACITORS



MFD	VDC	SIZE	PRICE
50	150	2 1/2 x 4 x 1 1/2	\$1.50
8	300	2 1/2 x 4 x 1 1/2	.50
10	400	2 1/2 x 4 x 1 1/2	.75
3	600	1 1/2 x 3 1/2 x 1	.40
5	600	2 1/2 x 3 1/2 x 1	.65
8	600	3 1/2 x 5 x 1 1/2	1.00
20	600	3 1/2 x 4 x 2 1/2	2.00
10	1000	3 1/2 x 4 x 1 1/2	1.75
24	1000	3 1/2 x 6 x 2 1/2	7.50
10	1500	3 1/2 x 4 x 3 1/2	3.00
8	2000	3 1/2 x 5 x 3 1/2	4.75
2	2500	2 1/2 x 4 x 1 1/2	2.00
.6	3000	2 1/2 x 4 x 1 1/2	1.00
6	3000	3 1/2 x 4 x 2 1/2	5.75
3x.2	4000	2 1/2 x 4 x 2 1/2	1.00
2x.1	4500	3 1/2 x 3 1/2 x 2 1/2	1.00
.25	5000	3 1/2 x 3 1/2 x 2 1/2	1.00
1	5000	4 1/2 x 5 x 3 1/2	4.00
.5	7500	3 1/2 x 6 x 2 1/2	3.50

2 MFD @ 4500 VDC; 5x4x3; WT: 4 LBS. #F350-762882 | PRICE \$6.95

WESTERN ELECTRIC D170563 CAPACITOR
 1-CAN. 1 UF 5000 VDC
 2-3 1.0 UF 2000 " "
 3-4 1.0 UF 2000 " "
 SIZE: 5 1/2 x 5 x 2; WT: 3 LB
 PRICE: \$1.95

AC CAPACITORS

MFD	VAC	SIZE	PRICE
5	220	3 1/2 x 1 x 4	1.50
40	220	4 1/2 x 4 x 2 1/2	2.00
50	230	4 1/2 x 6 x 3 1/2	5.95

ABOVE ITEM IKVA 3 PHASE

MFD	V.A.C	SIZE	PRICE
3	330	1 1/2 x 3 x 1 1/2	.50
7	330	3 1/2 x 3 x 1 1/2	.75
6	660	3 1/2 x 3 1/2 x 2 1/2	1.00
10	440	4 1/2 x 7 x 4	2.00
3	660	3 1/2 x 3 1/2 x 1 1/2	1.00
4	660	3 1/2 x 4 1/2 x 1 1/2	1.25

ABOVE MOTOR TYPE

MFD	V.A.C	SIZE	PRICE
10	370	1 1/2 x 6 RD	1.00
10	370	2 1/2 x 2 x 2 1/2	.50
4	470	2 1/2 x 2 x 1 1/2	.35

ABOVE MOTOR TYPE

MFD	V.A.C	SIZE	PRICE
25	330	3 1/2 x 4 1/2 x 3	2.95
15	440	3 1/2 x 4 1/2 x 2 1/2	2.95

MOTOR CAPACITOR, WESTINGHOUSE STYLE #773298, WIRING FOR CCW AND CW. SIZE: 6x5 1/2 x 3 1/2; 8LB. \$4.95



ROTARY SELENOID SELECTOR, 11 POSITION, 5 DECK NON-SHORTING, ONE DECK SHORTING. 24 VOLT D.C. SIZE: 5 1/2 x 1 1/2 WT: 1 LB #5930-084-0908 \$2.50

SWITCH ROTARY CERAMIC WAFER 5 DECK, 1 POLE, 9 POSITION 7x2x2; 1 1/2 LB. SIL.P.C. CONT. #5930-185-0597 \$1.95 NEW

SWITCH ROTARY BAKELITE WAFER 8 POSITION, 3 SECTION, SECT. #1 NON-SHORTING TYPE CONT. SECT. #2 & 3 SHORTING TYPE CON TACTS. 3x2x2; WT: 8 OZ. #329825-75.4 NEW \$1.00

SWITCH ROTARY, 3 SECT: 5 SWITCHING POSITIONS, 6 MOVING, 36 FIXED CONT, 6 POLES 5 THROWS, COMB. SHORTING & NON-SHORT#329824-81.5 \$7.75

SWITCH ROTARY BAKELITE WAFER 2 DECK, 5 POSITION, 1 POLE MOMENTARY 5 POSIT. 2x2x2 #SW-145 39¢ EA. 3 FOR \$1

GE CERAMIC POWER SWITCHES 2 DECK 3 POSITION 2x5 IN. GE #P42198-1 G1/394 \$1.95

GE HEAVY DUTY CERAMIC, TWO DECK 4 BREAK 3 MAKE, 2x4" #ML7464910-G1/407 \$1.95
GE HEAVY DUTY CERAMIC, TWO DECK 3 POSITION, 3x4 1/2" #ML7762999-G1/397 \$1.95

SWITCH ROTARY ONE DECK, CERAMIC 11 POSITION. 2" DIA. No. C-87/S601 75¢ EA.

SWITCH ROTARY CERAMIC TWO DECK FOUR POSITION, SINGLE HOLE MTG. 2" DIA. No. C-87/S-602 75¢ EACH

SWITCH ROTARY, 2 DECK, 2 POLE 4 CIRCUIT EA. DECK. 1 1/2" x 1" 329825-66.13 \$.50

SWITCH ROTARY, 5 DECK, 8 POS. ONE CIRCUIT. SIZE 2x3" MORRINOR RE-MOVED#58 \$.75

ROTARY SWITCH, SINGLE GANG 4 CIRCUIT WITH 2 CONTACTS FOR EACH. DIA. 1 1/2" x 1". 329827.34 59¢ 2 FOR \$1.00

ROTARY SWITCH SINGLE 17 CONTACT DECK, ONE TIE DECK DIA. 2 1/2 x 1 LANS. SW-942-249 75¢ EACH 2 FOR \$1.25

ROTARY ACTUATOR WILL OPERATE FROM 12-28 VDC, 12 POS ITION, 30 DEGREES EA. 2 1/2" SHAFT AND RODS FOR MOUNTING WAFER SWITCHES. MOUNTING 2 1/2 x 3 1/2" H. WT: 1 LB. #MX167869G1 \$1.50

SWITCH ROTARY, BAKELITE WAFER 11 POSITION; 4 DECKS NON-SHORTING, 5 DECKS SHORTING. VARIABLE STOP. SIZE: 8x2 #5930-678-2369 \$2.95

THREE DECK 8 POS. AND OFF MARKED ON 2" DIAL AND KNOB #329825-66.147 2x3" \$1.75

SELECTOR SWITCH TAP 12 POSITION 1 POLE 5 AMPS. NON-SHORTING 2 1/2 x 2 1/2 x 1 1/2" LB. P/O RA-83 #329825-4 40.2 \$2.50

Kits \$1.00

DISC CERAMIC CONDENSERS 33 ASST. 15MUF-.61MFD. Good Value \$1.00 a KIT

TUBULAR CONDENSER 50 ASST. .00025 to .1 200 to 600 V \$1.00 a KIT

MICA CONDENSERS 25 ASST. 10 MUMF To 6800 MUMFD. \$1.00 a KIT

TRIMMER CONDENSERS 25 ASST. 3 to 280MUF WIDE RANGE \$1.00 KIT.

RESISTORS INSULATED 50 ASST. 1/2, 1 & 2 Watt wide range of good values 50 ASSORTED \$1.00

RESISTORS WIREWOUND 25 ASST. 5 to 20 Watt. Wide range of values some tapped. 25 ASST \$1.00

VOLUME CONTROLS 10 ASST. Popular Values \$1.00

TUBE SOCKETS 20 ASST. Octals Loctals Minatures Wafers etc \$1.00

PILOT LIGHT SOCKETS 25 ASST Bayonet Screw etc. \$1.00

TERMINAL STRIPS, Tie lug strips, ASST types. 25 for \$1.00

TERMINAL WUGS, ring spade, crimp types. Wide variety of sizes for all uses in clear plastic box, Approx 200 PCS \$1.00

ROTARY SWITCHES BRAND NEW ORDER NOW 6 FOR \$1.00

BATHBUS CONDENSER KIT 1 MFD. to 1. MFD. up to 600 Volt. 10 FOR \$1.00

HARDWARE KIT NUTS, WASHERS SCREWS, RIVET GROMMETS ETC. 1 1/2 LBS. \$1.00

COMPUTER GRADE



COMPUTER GRADE CAPACITORS OUT OF EQUIPMENT GUARANTEED

MFD	VDC	SIZE	PRICE
900	165	2x4 RD	\$1.25
500	275	2x4 RD	1.25
350	330	2x4 RD	1.25
1400	99	2x4 RD	1.25

LOTS OF 6 \$1.00 EACH.

MFD	VDC	SIZE	PRICE
12000	11	2x4 RD	.75
10000	16.5	2x4 RD	.75
4000	33	2x4 RD	.75
3500	52.8	2x4 RD	.75

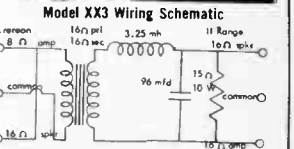
LOTS OF SIX 60¢ EACH.

MFD	VDC	SIZE	PRICE
20000	25	3x4 1/2 RD	1.95
30000	50	3x5 1/2 RD	2.50

25,000 MFD @ 30 VDC; 3x4 1/2 ROUND; PRICE: NEW \$2.75

1000 MFD 450VDC

SIZE 2 1/2 x 5 2 LBS # D34905 PRICE \$.00 EA 3 FOR \$5



ELECTRO-VOICE FILTER EVXX3 IS A AUDIO FREQ. FILTER THROUGH WHICH TWO AUDIC AMPLIFIERS CAN BE CONNECTED TO 2 SPEAKER SYSTEMS. ALL BASS FREQ. BELOW 300 CPS ARE PASSED TO ONE SIDE OF THE SYSTEM WHILE THE HIGHER FREQ. ARE PASSED WITHOUT CHANGE TO BOTH SYE TEMS. IN A STEREO SYSTEM THIS ELIMINATES THE NEED FOR 2 FULL RANGE SYSTEMS. CAN ALSO BE ADAPTED TO OTHER USES. #EVXX3F 5 1/2 x 4 1/2 x 5 1/2; 8 LBS. NEW \$2.95

HEAVY DUTY TAP SWITCH 6 POSITION 4 HOLE MOUNTING SIZE: 2 1/2 x 2 1/2 x 1 1/2 STK#329604-2 \$1.50




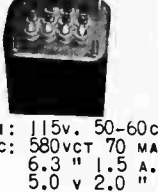



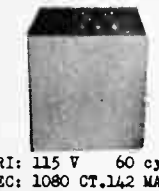

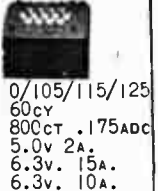
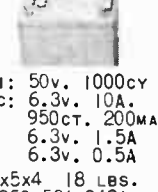

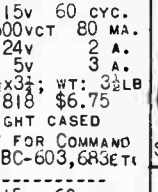



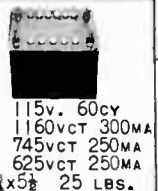

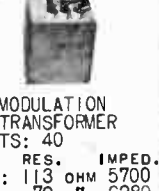
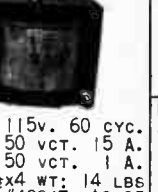
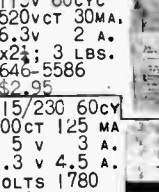


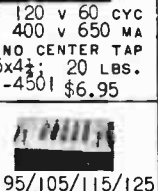





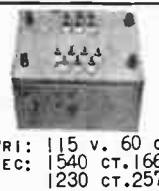



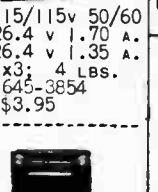




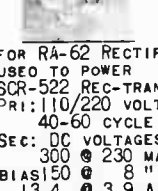
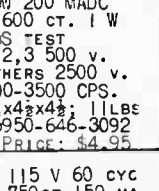
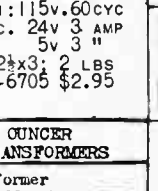
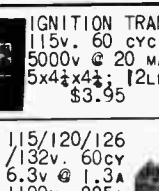
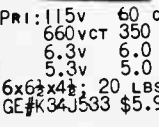



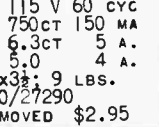
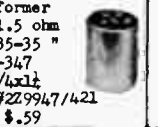
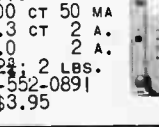
ANTENNA CIRCUIT SWITCH 100 WATT 3/MAKE 3/BREAK SIZE: 4 1/2 x 2 1/2 IN. #329626 \$2.50

25 Precision Resistor Ass't WIRE WOUND OR CARBON 1/2 OR BETTER GOOD VALUES. \$1.00 50 TINY CAPACITORS SELECTED TINY ASST PAPER & CERAMIC X GOOD VALUES. \$1.00

WIRE ASSORTMENT SIX 25 FT. COILS FULLY INSULATED STANDARD SIZES TINNED COPPER ASST. COLORS \$1.00

MINIMUM ORDER \$3.00

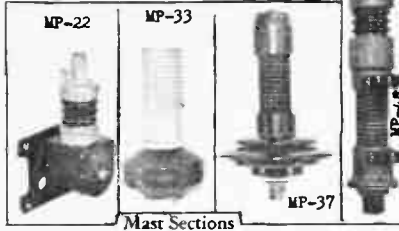
Power Transformer Filament Modulation Microphone Chokes

 <p>PRI: 115/230 60 cyc SEC: 800 CT. 120 MA 6.4 4.5 AMP 5 2 " 6.3 .6 " 6.4 450 MA Size 5x5x6 WT. 13 lbs. Stock # 229621-380 PRICE: \$2.95</p>	 <p>PRI: 110v 60cyc-2 PRI: 220v 60cyc-3 SEC: 6.3v .9A 4-5 6.3v .3A 6-7 24v .9A 8-9 500VCT 35MA TERMINALS 10-12 CT TER. 11 WT. 4L 3x3x3 1/2 #RM-13-317 A TO D. \$1.95</p>	 <p>PRI: 90 V 60cyc SEC: 6400 V. 3 APPROX. 50 MA. 5x6x6; WT: 15 LBS #D-128-3553 \$14.95</p>	 <p>PRI: 115v. 50-60c SEC: 580vct 70 ma 6.3 " 1.5 A." 5.0 v 2.0 " TEST VOLTS 1750 3x3x3 1/2 6 LBS. #5950-648-6862 \$3.95</p>	 <p>MODULATION TRANSFORMER Watts 20 Response Response 200-5000-LDB Pri. 2 6000 SEC. 2 6000 Collins #677-2010-00 Size 2x2x3 1/2 WT. 3 1/2 lbs Stock# 229634.53 Price \$2.95</p>	 <p>PRI: 120v. 60 cyc. SEC: 550-0-550v. 0.18 A. 2000wv. 4x7x5 1/2 WT. 18LBS #5950-518-2621 PRICE: \$7.95</p>	 <p>PRI: 115v 60cyc SEC: 200vct 2 A. 4x3 1/2 x 4 1/2 8 LBS #1FX46-16 \$4.95</p>
 <p>PRI: 115 V 60 cyc. SEC: 1080 CT. 142 MA. 6.3 1 AMP. 6.3 2 AMP. 5 3 AMP. Size 5x5x5 1/2 WT. 14 lbs Stock # 229613.52 PRICE: \$3.95</p>	 <p>PRI: 115/230 60c SEC: 800 CT ALSO TAPPED 310, 374 426, 536, 670 MA. 6.3 1.02A. 6.3 1.5 A. 6.3 0.60A. 3 1/2 x 3 1/2 x 3 1/2; 5 LBS. #5950-679-2094 \$1.95</p>	 <p>PRI: 0/105/115/125 60cy SEC: 800CT. 175ADC 5.0v 2A. 6.3v. 15A. 6.3v. 10A. 6 1/2 x 5 1/4 18LBS. #647-5309 \$4.95</p>	 <p>PRI: 50v. 1000cy SEC: 6.3v. 10A. 950ct. 200MA 6.3v. 1.5A 6.3v. 0.5A 5 1/2 x 5 1/4 18 LBS. #5950-581-9421 \$8.95</p>	 <p>TEKTRONIX # 310 OSCILLOSCOPES P/N 120-0058-00 PRI: 117 v SEC: 205v 120 CYC 135v 150 " MA. 205v 75 " 6.3v 3 AMP 6.3v 4 " 6.3v 6.2 " 6.3v 0.6 " 6.3v 0.6 " 4 1/2 x 3 1/2 x 3 1/2; 8 LBS. 5950-688-6598 \$9.95</p>	 <p>PRI: 115v 60 cyc SEC: 440vct 138 MA. 24v 2 A. 5v 3 A. 4x4x4; 8 LBS. FAIR-1609 \$7.50 BUILT FOR BC-652</p>	 <p>TS-239 SCOPE TRANSFORMER 115V 50-2600V 735V 7A 610V 205MA 300V @ 75MA 5V @ 2AMP 6.3V @ 0.6 AMP. 6.3V @ 0.6 " #229619.168 SIZE: 3 1/2 x 3 1/2 x 3 1/2; 7LBS. \$9.95</p>
 <p>PRI: 115V 60cy SEC: 6.3v @ 2.8A. 6.3v @ 1.2A. 880CT 130MA 6.3v @ 3.44A 7.7v @ 1.64A 5x4 1/2 x 3 1/2 13LBS. #5950-295-7190 \$4.95</p>	 <p>PRI: 105-125 VOLT 50 - 60 CYCLE SEC: 9E0-0-950 .200 AMP. DC 6x5 1/2 x 4 1/2; 20 LBS 482-0897 \$12.95</p>	 <p>PRI: 115v. 60cy SEC: 1160vct 300MA 745vct 250MA 625vct 250MA 6x5 1/2 x 5 1/2 25 LBS. #646-1497 \$12.95</p>	 <p>PRI: 115v 60 cyc SEC: 1080vct 226MA 6x5 1/2 x 4 1/2 15 LBS. #5950-762-9822 \$6.95</p>	 <p>MODULATION TRANSFORMER WATTS: 40 RES. IMPED. PRI: 113 OHM 5700 SEC: 72 " 2280 FOR 2/807 TUBES 3 1/2 x 2 1/2 x 3 WT: 3LBS #22K9634.21 PRICE: \$3.95</p>	 <p>PRI: 115v 60 cyc. SEC: 28 v 10 AMP 3 1/2 x 3 1/2 x 3 1/2; WT: 8 LB #AB-001165 \$4.95</p>	 <p>PRI: 115/230 60CY SEC: 700 CT 125 MA 5 v 3 A. 6.3 v 4.5 A. TEST VOLTS 1780 5x4x3 1/2; 8 LBS. #3340-296-937581 \$3.95</p>
 <p>PRI: 115V 60cy SEC: 5.0V @ 2.0A. 5.0V @ 2.0A. 6.3V @ 0.6A. 6.3V @ 6.0A. 400VCT 120MA 4 1/2 x 3 1/2 x 3 1/2 9 LBS. #5950-646-4053 \$3.95</p>	 <p>POTENTIAL TRANS PRI: 1/2/4/10/20/ 40/100/200/40 0/1000/2000 V SEC: 40 V 100 MA 6x7x4 1/2; WT: 20 LB ESPEY #4 16,271 \$5.95</p>	 <p>PRI: 120 v 60 cyc SEC: 400 v 650 MA NO CENTER TAP 5 1/2 x 5 1/4; 20 LBS. #051-4501 \$6.95</p>	 <p>PRI: 110/115/120v. 50-60 CYCLES SEC: 3500vct. .230 A. 8 1/2 x 7 1/2 x 8 WT: 65LBS #5950-715-9350 PRICE: \$29.95</p>	 <p>MODULATION TRANSFORMER 100 Watt RESPONSE 200 to 5000 PRI: 7000 SEC: 7000 F/BC-191/375 TRANS. Size 3x3x5 WT. 5 1/2 lbs. Stock # 206191/T1 Price \$3.95</p>	 <p>PRI: 115 v 60 cyc SEC: 12 v 2 AMP. 2 1/2 x 3 x 2; WT: 1 1/2 LBS EF-424 \$1.50</p>	 <p>PRI: 115 V 60 CY SEC: 820CT 120 MA 5 V 3 A. SIZE: 4x4x3 1/2 10 LB STK #ORD7629820 PRICE: \$2.95</p>
 <p>PRI: 118 v 60 cyc SEC: 1770 v 400MA NO CENTER TAP PWW 2950 5 1/2 x 6 1/2 x 4 1/2; 30 LBS. #058-4500 \$12.95</p>	 <p>PRI: 115 v. 60 cy SEC: 1540 CT. 166A 1230 CT. 257A BOTH VOLTAGES ONE WINDING 5.1 4.5A 6.5 4.0A 6.5 .5A 7 1/2 x 6 1/2; WT: 35 LBS STK# 229613.53 \$7.95</p>	 <p>PRI: 115 v 60cyc SEC: 550vct 120MA 17v 1.2 A 5v 3.0 A 6.3v 11.1A 4 1/2 x 4 1/2 x 5; 12 LBS. #5950-194-9065 \$4.95</p>	 <p>PRI: 115/115v 60cy SEC: 2500 VCT @ .450 AMP.D.C 7x7x6 1/2; 45 LBS. MOTOROLA 225D1013 \$18.95</p>	 <p>100 WATT MODULATION TRANSFORMER PRI: 7500 OHM CT 30,000 " SEC: 3000 OHM 35W 200 MADC 600 CT. 1 W RMS TEST 1, 2, 3 500 v. OTHERS 2500 v. 200-3500 CPS. 4 1/2 x 4 1/2 x 4 1/2; 11LBS #5950-646-3092 PRICE: \$4.95</p>	 <p>PRI: 115/115v 50/60 SEC: 26.4 v 1.70 A 26.4 v 1.35 A. 3 1/2 x 3 1/2 x 3 1/2; 4 LBS. 5950-645-3854 \$3.95</p>	 <p>PRI: 120 v 50-60cyc 124 VA SEC: 225v 40MA E50 v CT 250M 6x4x5 WT. 16 LBS BENDIX #N217388-1 PRICE: \$5.95</p>
 <p>PRI: 115v 60 cyc SEC: 660vct 350 MA. 6.3v 6.0 A. 5.3v 5.0 A. 6x6 1/2 x 4 1/2; 20 LBS. GE #K34J533 \$5.95</p>	 <p>PRI: 115 v 60cyc SEC: 850ct 280MA 280ct 10MA 5 v 5 A. 6.3 v 600MA 36 v 5 A. 5 1/2 x 5 1/2 x 7 1/2; 28 LBS. #5950-646-3943 \$6.95</p>	 <p>PRI: 115/230 V 50/60 cyc SEC: 1600vct 230 MA & TAPPED 760V @ 40 MA. 6x6 1/2 x 4 1/2; 30 LBS. \$8.95</p>	 <p>FOR RA-62 RECTIF. USED TO POWER SCR-522 REC-TRANS PRI: 110/220 VOLT 40-60 CYCLE SEC: DC VOLTAGES 300 @ 230 MA BIAS 150 @ 8 " 13.4 @ 3.9 A. 5x5x8; 30 LBS. #3340-296-862-192 PRICE: \$7.95</p>	 <p>PRI: 115 v 60 cyc SEC: 750CT 150 MA 6.3CT 5 A. 5.0 5.0 4 A. 4 1/2 x 4 1/2 x 3 1/2 9 LBS. TG-10/27290 RE-MOVED \$2.95</p>	 <p>CUNCER TRANSFORMERS Transformer Pri: 100 ohm Sec: 4000 " PO/BC-709 Amp. 3/4x3/4x1 1/2 ST#229931 Price \$.59</p>	 <p>IGNITION TRANSFOR. 115v. 60 cyc. SEC. 5000v @ 20 MA. 5x4 1/2 x 4 1/2; 12LBS. \$3.95</p>
 <p>PRI: 115v 60 cyc SEC: 600 CT 50 MA 6.3 CT 2 A. 5.0 2 A. 3x2 1/2 x 2 1/2; 2 LBS. #5950-552-0891 \$3.95</p>	 <p>PRI: 115 v 60 cyc SEC: 600 CT 50 MA 6.3 CT 2 A. 5.0 2 A. 3x2 1/2 x 2 1/2; 2 LBS. #5950-552-0891 \$3.95</p>	 <p>PRI: 105/115/130/ 145/160/180/200/ 225/250 v 25-60cyc SEC: 780vct @ 65MA. 2.5 v @ 2 AMP 6.3 v @ 4 " 5 1/2 x 5 1/2 x 4 1/2; 13 LBS. 229619-4 \$2.95</p>	 <p>PRI: 115 v 60 cyc SEC: 750CT 150 MA 6.3CT 5 A. 5.0 5.0 4 A. 4 1/2 x 4 1/2 x 3 1/2 9 LBS. TG-10/27290 RE-MOVED \$2.95</p>	 <p>Transformer Pri: 1.5 ohm Sec: 35-35 " PO/BC-347 3/4x3/4x1 1/2 Stock# 229947/421 Price \$.59</p>	 <p>Transformer Pri: 100 ohm Sec: 4000 " PO/BC-709 Amp. 3/4x3/4x1 1/2 ST#229931 Price \$.59</p>	 <p>PRI: 115 v 60 cyc SEC: 600 CT 50 MA 6.3 CT 2 A. 5.0 2 A. 3x2 1/2 x 2 1/2; 2 LBS. #5950-552-0891 \$3.95</p>

<p>ISOLATION TRANSFORMER PRI: 208v. 60cy. SEC: 115v. 15 AMPS 10x9x7 1/2 115 LBS. #648-3822 \$14.95</p>	 <p>8 HY 100 MA 160 OHMS 2x3x2 1/2 14L #1024 \$1.50</p>	 <p>5-.25 HY @ 2-.6 ADC 7OHMS MAX DC 535v WVM 2x3x2 1/2 4 LBS. GE#9T35Y283 \$1.25</p>	<p>25 HY 35 MA DO 1070 MV 2x3x2; 2LBS GE#7415231 \$.79</p>		 <p>PRI: 206 V 60 CYCL ONE PHASE 10.6 KVA SEC: 30 V 115 VOLT PRIMARY SECONDARY 16 VOLT SIZE: 14x11x11 WT: 150 LB.#ACME 2649 \$32.95</p>	 <p>SELENIUM RECTIFIER HALF OF FULL WAVE (FOR USE W/TRANS. T LEFT) SIZE 12x16x6 WT: 29LB. \$8.95 EA. TWO FOR \$15.00</p>	 <p>PRI: 115 0.60 CYC SEC: 150v. 550 MA 150v. 2.0 AMF 5.0v 5.0 " 6x6x4 1/2; 28 LBS. 5950-481-3482 \$6.95</p>
<p>FILAMENT TRANS. PRI: 215 v 60cy 7IV.A. SEC: 115CT 4.34A 4x3x3 1/2 7LBS. #199-2255 \$3.95</p>			<p>DUAL CHOKE 11 HY 100 MA 200 OHMS 4x4x5 1/2 WT 8L #3C557B-1 \$.75</p>	 <p>11 HY 500MA 1350 VAC @ 120cy 7x6x9 1/2 WT. 42 L ITC NO. DC-6281 #PRICE: \$8.95</p>	 <p>THREE-PHASE TRANSFORMER PRI: 440v. 60cy. 440v. 60cy. 440v. 60cy. Δ CONNECTION SEC: 120v. 20.8A. 120v. 20.8A. 120v. 20.8A. Y CONNECTION 14x14x10 262 LBS. GE#9T33Y9015 \$30.</p>	 <p>PRI: 115 v. 60 CYC 25 KV INSULAT SEC: 5.5 v. 54 AMF OR 7.5 v. 48 " OR 7.5 v. 32 " SIZE: 6x7x3 1/2; 50 LB #3340-296-879 \$14.95</p>	 <p>PRI: 117.5v 60CYC SEC: 525vCT125 MA. 6.3v 6.3 A. 5.0v 2.0 A. 4x5x5; 15 LBS. JEFFERSOND-12A64E \$4.95</p>
<p>STEP-DOWN TRANS. PRI: 115v. 50-1000cy. SEC: 51.8v. 25A. 7 1/2x7 1/2x5 1/2 48LBS. 646-2478 \$12.95</p>	 <p>30 HY 70 MA 550 OHM 2x2x3 1/2 1LB #3C325-6 \$1.25</p>	 <p>1/4" CHOKE 1 HY 1 AMP 7 OHM 2x2x3 1/2 1 LB STK #M-13331 \$1.25</p>	 <p>10 HYS 500 MA 45 OHM DC RES 500 WORK VOLTS #5950-646-1383 \$5.95</p>	 <p>14 HY 125MA 275 OHMS. 2x3x5 1/2; 308-708-060 \$1.25</p>			
<p>PRI: 0/116/120/ 124v. 60cy. SEC: 126v. 1.1A. 114v. 1.0A. TF4RX01YY 8 1/2x5 1/2x4 1/2 27 LBS. K95-1476 \$7.95</p>							
<p>8 HY 100 MA 160 OHM 2x3x3 1/2 2 1/2; 3LB. #TR-1024 \$1.50</p>	 <p>8 HY 450 MA THORD-T473 P/O BC-303 TRAN 5x4x5 1/2; 18 LB STK #3H4622.1 \$6.95</p>	 <p>10 HY 150MA 210 OHMS WT. 4 1/2 LBS. SIZE: 2 1/2x5x2 1/2 #217366-1 \$1.75</p>					
<p>10 HY 0-1 AMP. DC @ 10v 60 CPS, 268 OHMS, 2x3x3 1/2x2 1/2; 4LB #6467 \$1.75</p>							
<p>5 TO 42 HY 160 OHMS 130 TO 20 MA 3x3x4 1/2; 7LB 5950-646-0561 \$1.75</p>							
<p>12 HY 210 MA 50 OHM 14 LB 5x6x4 1/2; #3C316-33 \$2.50</p>							
<p>20 HY 45 MA 308 OHM 2 LB 2 1/2x3x2; #5950-260-0380 \$1</p>							
<p>11 HY 500MA 35 OHM 25 LBS. 6x8x6; #PW6425 #10-28 \$7</p>							
<p>3 HY 50MA 250 OHM 2x2x2 1/2 WT 1 1/2 STOCK # 3C3672 PRICE: \$.75</p>							
<p>6 HY 75 MA 150 OHM 3x3x2 1/2 WT: 2 1/2 STK #3316-7 PRICE \$.79</p>							
<p>7.5 HY 650 MA 5x6x7 31 LB T-47174 \$7.95</p>							

ANTENNAS

Mast Bases



Mast Sections

3 ft. Tubular steel, cooper coated and painted sections. These screw together to make any desired length. MS-49 being the top & smallest section increasing in size through MS-50-51-52-53 to MS-54 being the larger one. Either the MS-53 or MS-54 will fit together to form any additional height desired. Example a 33 ft. vertical may consist of one each MS-49, 50, 51, 52, and 7 each of MS-53 or it may be finished out on the bottom with 6 MS-54 sections. Self support to about 18ft. Average wt. app. 3/4lbs. MS-49-50-51-52-53 .50ea. MS-54 .75ea

MS-50
MS-51
MS-52
MS-53
MS-54

MP-22 SIDE MOUNT SWIVEL MAST BASE WILL TIF TO 90° EITHER RIGHT OR LEFT. HAS A SPRING SNAP LOCK IN THE VERTICAL POSITION, WILL TAKE EITHER THE MS-53 OR MS-54 MAST SECTIONS. SIZE MTG. PLATE 5"x6"x10" HIGH. WT. 9 LBS. PRICE.....\$4.95
MP-22A SAME AS ABOVE EXCEPT MOUNTING HOLE IS FOR THE MS-51 WITH THE MS-49, MS-50 AND MS-51. THIS WILL MAKE A 9 FT. TAPERED ANTENNA. PRICE...\$4.75

WHIP ANTENNA 7' EXTENDED, 15 IN. COLLAPSED #CCI-51C48 2 LBS \$1.00



CU-168 ANTENNA COUPLER; PROVIDES MEANS FOR OPERATING 5 RECEIVERS FROM ONE ANT. UNBALANCED LINE INPUT NOM. IMPEDANCE 70 OHMS ON OUTPUT ALSO. FREQ. RANGE 2 - 32 MC. EACH COUPLING CIRCUIT HAS 4/12AU7 TUBES. POWER REQ. 115V. 20-400CY. RACK MTG. 19x8; WITH TUBES, UG-21 COAX. CONN. & MANUAL. WT; 7LBS. UNUSED \$29.95

TUNER



TN-174 GRA-4 ANTENNA TUNER WITH JOHNSON VARIABLE CAPACITOR #154-1-4, 12 TO 244 MMF., 2000 VOLT, 115 VOLT 1/25 WATT NE-51 NEON LAMP AND 2 CABLES FOR CONNECTING TO TRANSMITTER 50" LONG. SIZE: 3x4x5; WT: 4 LBS. PRICE \$3.95

AB-15/GR MAST BASE; SPRING ACTION, INSULATOR 3x3" DIA. REQUIRES A 2" HOLE FOR MOUNTING. MAY BE MOUNTED ON SURFACE UP TO 1" THICK. ALSO MOUNTED IN AB-449/G DESCRIBED BELOW. AB-15 OVERALL LENGTH 15"; ABOVE INSULATOR 5/8"x11" TAKES MASTS SECTIONS MS-116, 117, & 118. (SECTIONS NOT AVAILABLE) WT: 2 LBS. \$4.95
AB-449/G INSTALLATION MOUNT FOR AB-15. FOUR BOLTS SECURE MOUNT AT BOTTOM. 5x20; 11LBS. \$3.95



AS-125/APR ANTENNA; FOR USE

W/RECEIVERS IN THE 1000-6000 MC. FREQ. RANGE, 6" MOUNTING W/HAR. JG-22 COAX. RECEPTACLE. SIZE: 6x8; 4LB. \$2.95
UG-21 COAX. CONNECTOR TO FIT ANTENNA 50¢



AT-598/APT WHIP ANTENNA 30" LG.

WITH COAX. REC. F/UG-100A/U. WT: 5 LBS. \$1.50
MATCHING COAXIAL LINE RG-14 11" W/2UG-100, 1 UG-109 \$2.

AT-35 DIPOLE ANTENNA 200-250 MC. COAXIAL CONN. WT: 2LBS.

2A288A-35 \$1.50

SPREADER INSULATORS WHITE CERA

3/4"x4", 2" HOLE. CENTERS. \$.25 EACH 5 FOR \$1.00
3/4"x12", 10" HOLE CENTERS \$.45 EACH, 3 FOR \$1.25

AN 109 AN 130 AN 745 AN MP 74 AN 75

AN-109 WHIP ANTENNA; 5 FT. TAPERED 1/4 TO 1/8 PRICES: \$1.50 EACH SIX (6) FOR \$3.00

AN-117 WHIP ANTENNA; 6 FT. TAPERED 5/8 TO 1/8 PRICES: \$1.50 EACH SIX (6) FOR \$3.00



TRANSMITTING LEAD-IN INSULATOR, 15" LG. THREADED ROD W/CONE INSULATORS 2/x2x1 EA. END, 8" ADJUSTABLE INS. BETWEEN CONES. #4238, 2LB \$1.00

AN-745 TELESCOPING WHIP 8 FT. TAPER 5/8-1/8 PRICE: \$1.00 EACH SIX (6) FOR \$4.00

AN-130 GOOSENECK WHIP 30", SCREW BASE FITS INSULATOR LISTED BELOW. PRICE: \$1.00 EACH SIX (6) FOR \$4.00

AN-20T CHROME TELESCOPING 20" PRICE: \$3.50 EACH SIX (6) FOR \$2.00

2A-124 ALUMINUM ROD 3/8" x 6 FT. NO TAPER PRICE: .75 EACH SIX (6) FOR \$3.00



A-27 PHANTOM ANTENNA USED W/PC-653/191 100 W. TRANSMITTERS FOR TUNING AND LOADING. CONTAINS 0-150 MMF WIDE SPACED 3/16" VARIABLE COND. AND 2 12 OHM 40 W. NON-INDUCTIVE RES. IN METAL BOX W/KNOB AND 0-100 SCALE. SIZE: 3x7x4 1/2; WT: 3 LBS. PRICE: USED \$1.95 RE-NEW \$2.95

ANTENNA COUPLER FOR REMOTE OPERATION. RANGE APPROX. 2 TO 24 MC. 200 WATTS. MOTORIZED VARIABLE VACUUM CAPACITOR 300 MMF. 7500 VOLTS. ALSO ROTARY INDUCTOR, SERVO MOTORS, FAN, 10 PLATE TYPE RELAYS, SWITCHES, CAPACITORS, RESISTOR TUBES 4/5727, 2/5670, 3/6201 ETC. SIZE: 24x7x8; WTL 25 LBS. #5821-658-3692



PRICE: USED \$29.95

LP-21LM LOOP ANTENNA USED FOR AIRCRAFT RADIO COMPASS 200-1500 KC. CONTAINS CK-2 MOTOR AND MC-507 AUTOSYN COMPENSATOR THAT OPERATE FROM 26 V. 400 CYC. USED IN CONJUNCTION WITH I-81 OR I-82 INDICATORS SHOWN ON PAGE 30 OF CATALOG. WILL ALSO WORK ON 60 CYC BUT NOT AS ACCURATE. SIZE: 20x16x10; WT: 15 LBS. PRICE: USED \$9.95 PL-112-108 SET \$4.00



AS-69/APT 535-700 MC. TWO CROSS DIPOLES BENT DOWNWARD TOWARDS A SCREEN REFLECTOR (REFLECTOR NOT SUPPLIED) 1/2 WAVE TRANS. 1/4 WAVE PHASING. TAKES UG-21 CONN. 6" MOUNTING. 9 1/2"Hx8"D. 8LB. \$9.95

MN-20 MANUAL ROTATABLE LOOP ANTENNA, USED AS A DIRECTION FINDING ANTENNA IN THE 150 TO 1500 KC FREQ. RANGE WITH MN-26 & RA-10 RECEIVERS OR ANY OTHER TYPE IN THIS RANGE USED \$2.95 UNUSED \$3.95

MN-20C USED \$2.95 NEW \$3.95

MN-52 AZIMUTH CONTROL BOX W/O-360 DEG. DIAL, LIGHT & CRANK USED WITH MC-124 FLEXIBLE SHAFT THAT IS CONNECTED TO THE LOOP AND WHEN CRANK IS TURNED LOOP TURN UNUSUED \$2.95

MC-124 FLEXIBLE SHAFT FOR USE WITH LOOP AND CONTROL BOX, 5 1/2 FT. \$1.95 EACH EXTRA FT. 25¢ SPECIFY/SHIP CLOSE

CABLE FOR ANTENNA LEADIN 5 WIRE SHIELDED WITH PLUG TO FIT LOOP OTHER END BARE WIRE 8 FT. LG. #AC58267 \$1.95

AS-313/ARN-6 LOOP ANTENNA WITH MOTOR AND AUTOSYN TRANSMITTER. USED WITH ARN-6 RADIO COMPASS THAT TUNES FROM 200 TO 1750 KC, OPERATES FROM 26 VOLT 400 CYCLE SIZE: 10x11x5; WT: 15 LBS. PRICE: (AS ILLUSTRATED) USED \$7.95

COMPARATOR



CM-67/U SIGNAL COMPARATOR MIXES TWO FREQUENCIES AND DELIVERS AN OUTPUT PROPORTIONATE TO THE DIFFERENCE OF THE TWO SIGNALS. WHEN USED WITH A STRIP CHART RECORDER IT WILL COMPARE 2 ALMOST EQUAL FREQ. STANDARDS WHOSE FREQ. ARE EITHER 100 KC OR 1 MC. THIS WILL BE RECORDED AS A SINE WAVE. USES 4 IN2H1 DIODES IN A FULL BRIDGE CIRCUIT ALONG WITH RESISTORS, CONDENSORS, TRANSFORMERS, ETC. INPUT IMPEDANCE 50-5000 OHMS. INPUT COAX. CONN. BCN. SIZE: 5x3x3 1/2; WT: 4 LBS. NEW \$4.95

AS-27A/ARN-5 HORIZONTAL FOLDED DIPOLE AS USED WITH RC-103, BC-733, ARN-5 EQUIP. ON AIRPLANES. 108-110 MC \$9.95
AT-2/APN-2 DIPOLE ANTENNA 150-180 MC 2.95
AN-104A STUB ANTENNA F/SCR-522 100-156 MC 1.95



AT-911 ANT USD-1 ENNA REFLECTOR 4" DEEP UG-570/U 18 FOOT SECTIONS ALUMINUM WITH RADIO 14" DIAMETER RADIATOR 7" COAX. RECEPT MAST IN SIX 1 1/2" DIAMETER TUBING, USED PLANE. 10 LB PRICE: \$9.95

GROUND PLANE ANTENNA Ground plane antenna to cover 20 to 50 MC. Made from surplus insulated base & screw in type mast sections. Mounts on 1 to 2 inch pipe. Specify operating frequency range. \$10.95

AN-45 TELESCOPING ANTENNA 8 FT. \$1.95

COPPERWELD WS-13/U COPPERWELD WIRE; ELECTRICAL, 40% CONDUCTIVITY; SINGLE COND. APPROX. #7 AWG. C/O 3 STRANDE #12 AWG. #1A807.12 WT: 39 LBS. COIL OF 675 FT. \$10.00

ANTENNA PHOSPHOR BRONZE #16 1 CONDUCTOR WITH 2 SNAPS & SLIDE CONNECTOR, INSULATED. AN-22 " 20 " .65

AERIAL MATCHING UNIT NO. CI ZA/CAN 9268. FREQ. RANGE 2 TO 8 MC. 50 TO 100 WATT, DEPENDING ON FREQ. CONTAINS VARIABLE CAPACITOR, TWO VARIABLE INDUCTANCE TUNERS, COUNTERS FOR PA TUNE AND ANTENNA TUNE. ALSO 1 1/2" "VU" METER ETC. SIZE: 8x5x10; WT: 8 LBS. PRICE: USED \$18.95

NEON LIGHTING ARRESTOR HI-POWER 4 for \$1



SMALL ANTENNA INSULATORS Insulating material made of polystyrene Size 1 1/2x1 1/2 Mtg. hole 3/4" Receptacle size 3/8x24 TH. Fits ANT. AN-130, 131, Size 7/8x1 1/2 Mtg. hole 5/8" Receptacle size 1/2 x 20. TH. Fits any of the UHF Rods Stock # 223062-237 Specify type each \$.75

CABLES

NEW COAXIAL CABLE





NEW MANUFACTURE AND BRANDED WITH STANDARD TYPE NUMBERS TO MIL-R-17A SPECIFICATIONS.

PRICES LISTED FOR LENGTHS INDICATED, IN-BETWEEN LENGTHS USE THE HIGHER PRICE. LESS THAN 100 FEET ADD 10% TO HIGHEST PRICE

	100 FEET	500 FEET	1000 FEET	5000 FEET
RG-8/U	52 OHM .12	.11	.10	.10
RG-11/U	75 OHM .14	.13	.12	.11
RG-58/U	53 1/2 " .05 1/2	.05 1/2	.05	.04 1/2
RG-59/U	73 " .07	.06 1/2	.06	.05 1/2

PRICES ARE PER FOOT

NEW COAXIAL CONNECTORS

			
SO-239	PL-259	M-359	PL-258 JUNCTION
\$.45 EA.	\$.45 EA.	\$.49 EA.	\$.89 EA.
10 OR MORE	10 OR MORE	10 OR MORE	10 OR MORE
\$.39 EA.	\$.39 EA.	\$.45 EA.	\$.80 EA.

TYPES MAYBE ASSORTED TO OBTAIN THE LOW PRICE

Coaxial Cable FOR LESS THAN 3c Per Foot!

RG-54 A/U CABLE-

DESIGNED FOR LONG LIFE & CONSTANT ATTENUATION 58 OHMS, .250 OD. WITH POLYETHYLENE JACKET.

370 FOOT ROLL \$10.00 70 FOOT ROLL \$1.95

LESS THAN SPECIFIED LENGTHS .03 PER FOOT

COAX CABLE ASSY.

TYPE OHMS LENGTH CONNECTOR STOCK# PRICE

RG-9B/U	51	25 FT.	2/UG-21	GEPI9	\$2.25
RG-58/U	53	26FT	UG-88/2	GEPI9	1.50
RG-22/U	95	40FT	PL/284	CD-879	.75
RG-22/U	95	46 1/2 FT	PL-284	CD-878	.80
RG-22/U	95	50FT	PL-284	CD-877	1.00
RG-62/U	93	22FT	2/UG-88	CG-1410	.75
RG-62/U	93	35FT	2/UG-88	CG-1410	1.00
RG-62/U	93	130FT	2/UG-88	CG-1410	1.95

CABLES FOR SETS

CABLE #	PLUG #	LENGTH	USED WITH	PRICE
3E7243-2	GK12-233	52 IN.	TCS REC-PS	\$2.75
3E7273-19	SKC16-233	29 IN.	TCS/TRS-PS	2.75
CD-515		48 IN.	BC-669	5.95
CD-501	F/BC-654 & PE-103	9 FT.	TEST SET	4.95
CD-548	2EA PL118	9 FT.	TEST SET	4.95
CD-549	2/ PL-112	5 FT.	274 N SERIES	4.95
CD-526	2/ PL-153	5 FT.	"	2.75
CD-532	2/ PL-152	5 FT.	"	2.75
CD-509		8 FT.	BC-659/620	2.75

COAX CONNECTORS USED

UG-290/U	BNC	RECPT.	USED	FOR	PRICE
UG-291/U	"	PANEL J	.20	"	1.00
UG-88/U	"	PLUG	.25	"	1.00
SO-239	UHF	CHASS NEW	.28	"	1.00
PL-259	"	PLUG	.45	"	2.00
M-359	"	ELBOW	.45	"	2.25
UG-21	N	PLUG USED	.49	"	1.00
UG-22	"	PANEL J USED	.59	"	1.00
UG-29 SPEC. BULK.	"	USED	.79	"	1.50
UG-100/U LN	PLUG	"	.59	"	1.00
UG-100 SPEC.	REC. CHAS.	"	.59	"	1.00
UG-109/U LN	ST. AD.	"	.79	"	1.50
10H/528 ENG.	CHAS. REC NEW	"	.59	"	1.00
10H/702	90 DEG.	USED	.59	"	1.00
10H/1366	STRAIGHT	"	.59	"	1.00

INDICATORS



ID-66 SCOPE FOUNDATION FOR 7" C.R. TUBE 7CP : USED AS VIDEO REPEATER, CONTAINS AMPLIFIER DEFLECTION CIRCUITS WITH CONT. WITH 7CP1, 2/12SN7, 1/6AC7 AND 1/6SN7 TUBES. NO 8016 OR 807. NO DYNAMOTOR / TRANSFORMER. SOLD "AS IS" NOT SOLD FOR ORIGINAL USE AS LISTED IN PREVIOUS CATLOGS. SIZE: 8 1/2 x 10 x 19; 20 LBS. USED \$12.50



ID-4/APN-4 INDICATOR 5CPI CR USED WITH APN-4 LORAN SYSTEM. HAS ALL THE NECESSARY CONTROLS SO IT CAN BE CONVERTED FOR A CONVENTIONAL SCOPE OR AS A FOUNDATION UNIT FOR SLOW SCAN T.V. POWER SUPPLY IS FOR 115 V. 400 CYCLE OPERATION. SIZE: 9x12x20 WT: 35 LBS USED PRICE: WITH TUBES 5CPI C.R. 14/6SN7, 3/6SL7, 1/6SJ7 AND 8/6H6. \$24.95 LESS TUBES \$12.95



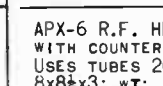
TS-238/TS-207 ECHO BOX WITH .200 DC MICROAMPERES METER 3" AND CRYSTAL ADAPTER FOR RF ENERGY. ECHO BOX IS A RESONANT-CAVITY DEVICE DESIGNED TO SIMPLIFY THE TUNING AND CHECKING OF RADAR BY PROVIDING A ARTIFICIAL OR "PHANTOM TARGET WHICH MAY BE USED IN USED IN TUNING THE RECEIVER TO THE TRANSMITTER IF NO REAL TARGETS ARE AVAILABLE PROVIDES A CLEAR, STEADY ECHO OF KNOWN CHARACTERISTICS WHEN SUCH AN ECH IS NOT OBTAINABLE FROM NEAR BY GROUND TARGETS.) REQUIRES UG-21 COAX. CONN. SIZE: 11x15x7; WT: 15 LBS. PRICE: RE-NEW \$15.00 UG-21 COAXIAL CONNECTOR FOR ABOVE UNIT. 75¢



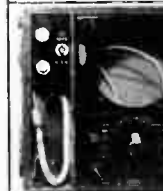
MA-1 RANGE SERVO TEST SET USED FOR TESTING AND TROUBLE SHOOTING AIR FORCE TYPE E "A" SERIES RANGE SERVOS. SPECIFICALLY, THE TEST PROVIDES A MEANS OF MEASURING THE VARIOUS OPERATING VOLTAGES OF THE RANGE SERVO UNSER TEST AND LOCALIZING THE TROUBLE WITHIN A RADAR GUN SIGHT SYSTEM. CONTAINS 3 1/2" 50 MICRO-AMP METER WITH 0-60 0-150 SCALES IN RED FOR ACV & 0-50/500 VDC SCALE IV BLK. SELECTOR SWITCHES, INDICATOR LIGHTS AND FOUR GORN CONNECTORS 12M & 12F WHICH ARE MALE & FEMALE 12 CONTACT ALSO CABLE WITH MATCHING DETACH PLUGS. SIZE, 10 1/2 x 10 x 7 1/2 IN ALUMINUM CASE WT: 18 LBS. PRICE, RE-NEW \$11.00

IDENTIFICATION SET

RT-82/APX 6 RADAR IDENTIFICATION SET RECEIVER TRANSMITTER COVERING RANGE OF 950-50 MC IF FREQ. 59.5/1.5 MC. (CAN BE CONVERTED TO 1215 MC. QST FEB. '61 SETP. '60; 1296 MC. QST JUNE '61) WITH (30) TUBES 6/6J6, 1/6AS6, 1/3E29, 3/6AL5, 1/5Y3, 2/3B24, 3/6AL5, 2/12AU7, 7/6AK5, 1/2CA2, 1/2CA6, 1/1B40, 1/1N-43, 1/1N-25 DIGIT COUNTERS ON TUNERS FOR TRANS-REC-LO FREQ. CONTROLS. VOLTAGE REQUIRE 24 AND 115 400/800 CYCLE. SIZE 13x13x10; WT: 45 LBS. \$39.50 PRICES: USED \$18.95 GOV'T RE-CONO.



APX-6 R.F. HEAD A-403 P/O RF-29 WITH COUNTERS AND ANTENNA INPUT. USES TUBES 2C42, 2C46 & 1B40 8x8x3; WT: 6 LBS. \$8.95



JACKSON MODEL 665-J-2 VOLT-OHM-MILLIAMMETER RANGES: AC/DC VOLTS 0-3/15/30/150/300 DC MILLS 0-3/15/150/300/1500 OHMS X1 & X-100 LESS METER, WHICH WAS 4" SQ WITH SCALE 0-30 & 0-150. SIZE: 8 1/2 x 9 x 4 1/2; WT: 5 LBS. USED \$3.95



URC-4 TEST SET TS-684/URM-30 ANALYZER FOR URC-4 RADIO SET, ALIGNMENT AND TESTING CONTAINS 0-1 MA METER, METERING SWITCH, CRYSTAL OSCILLATOR, ANTENNA CABLES ETC. IN METAL CARRING CASE. SIZE: 6x6x4; WT: 4 LBS. NEW \$8.95

PARTS BONNAZA



PLUG-IN TUNING UNITS USED WITH BC-191/BC-375 TRANSMITTER. THESE UNITS CONTAIN MANY PARTS THAT CAN BE USED BY SCHOOLS, LABORATORIES, HAMS, OR EXPERIMENTERS. LISTED BELOW ARE THE VARIOUS TUNING UNITS WITH FREQUENCY COVERAGE, AND PARTS LIST. ALL UNITS INCLUDE CABINET, KNOBS, HANDLES, BRACKETS, AND OTHER PARTS. THE NEW TUNING UNITS ALSO INCLUDE THE OUTER CASE.

SIZE: 17x9x7 1/2 WT: 13 LBS.

TU-5B 1500-3000 KC

M-O TANK INDUCTANCE
M-O BAND CHANGE SWITCH
ANTENNA COUPLING SWITCH
P-A BAND CHANGE SWITCH
CAPACITORS:
3/0.0001 MFD 3000 VOLTS
0.00003 MFD 2000 VOLTS
2/0.0004 MFD 5000 VOLTS
3/0.00009 MFD 3000 VOLTS
VAR. 8-26MMF, 20-135MMF
20-156MMF
ANTENNA COUPLING COIL
P-A GRID CHOKE COIL
M-O GRID CHOKE COIL
P-A TANK INDUCTANCE
RES. 15 OHMS, 4.5 WATTS
2 1/2" VERNIER DIAL
RIGHT ANGLE DRIVE
(NOT AVAILABLE)

TU-6B 3000-4500 KC

M-O TANK INDUCTANCE
P-A TANK INDUCTANCE
P-A GRID CHOKE COIL
M-O GRID CHOKE COIL
ANTENNA COUPLING COIL
M-O BAND CHANGE SWITCH
P-A BAND CHANGE SWITCH
ANTENNA COUPLING SWITCH
CAPACITORS:
2/0.00005 MFD 3000 VOLTS
2/0.0004 MFD 5000 VOLTS
VARIABLE CAP. 19-116 MMF, 8-26, 15-77 MMF
RES. 15 OHM, 4.5 WATTS
M-O TUNING COMPENSATOR
2 1/2" VERNIER DIAL
RIGHT ANGLE DRIVE
NEW \$5.95

TU-7-B 4500-6200 KC

M-O TANK INDUCTANCE
P-A TANK INDUCTANCE
ANTENNA COUPLING SWITCH
ANTENNA COUPLING COIL
P-A GRID CHOKE COIL
M-O GRID CHOKE COIL
CAPACITORS:
2/0.0004 MFD 5000 VOLTS
VAR. CAP. 8-26MMF, 23-111MMF, 19-116MMF
2 1/2" VERNIER DIAL
RIGHT ANGLE DRIVE
NEW \$5.95

BC-306 ANTENNA TUNING UNIT

200-500 KC
VARIOMETER COIL
VARIOMETER DIAL
ANTENNA COUPLE SWITCH
INSULATOR
NEW \$4.95



TU-8-B 6200-7700 KC

M-O TANK INDUCTANCE
M-O GRID CHOKE COIL
P-A GRID CHOKE COIL
P-A TANK INDUCTANCE
ANTENNA COUPLING COIL
ANTENNA COUPLING SWITCH
CAP. 2/0.0004 MFD 5000V
VAR. CAP. 14-66MMF, 8-26MMF, 15-81MMF.
2 1/2" VERNIER DIAL
RIGHT ANGLE DRIVE
NEW \$5.95

TU-9-B 7700-10,000 KC

M-O TANK INDUCTANCE
M-O GRID CHOKE COIL
P-A GRID CHOKE COIL
P-A TANK INDUCTANCE
ANTENNA COUPLING COIL
ANTENNA COUPLING SWITCH
CAP. 3/0.0004 MFD 5000V
VAR. CAP. 19-116MMF
8-26MMF, 15-77MMF
2 1/2" VERNIER DIAL
RIGHT ANGLE DRIVE
NEW \$4.95

TU-10-B 10,000-12,500K

M-O TANK INDUCTANCE
M-O GRID CHOKE COIL
P-A GRID CHOKE COIL
P-A TANK INDUCTANCE
ANTENNA COUPLING COIL
ANTENNA COUPLING SWITCH
CAP. 3/0.0004 MFD 5000V
VAR. CAP. 14-62MMF, 19-116MMF, 8-26MMF
M-O CHOKE COIL
2 1/2" VERNIER DIAL
RIGHT ANGLE DRIVE
NEW \$4.95

TU-26-B 200-500 KC

M-O TANK INDUCTANCE
M-O PLATE COIL
M-O GRID CHOKE COIL
P-A TANK VARIOMETER
P-A GRID CHOKE COIL
M-O BAND CHANGE SWITCH
ANTENNA COUPLING SWITCH
ANTENNA COUPLING COIL
CAPACITORS:
3/0.0004 MFD 3000 VOLTS
2/0.005 MFD 5000 VOLTS
2/0.004 MFD 5000 VOLTS
2/0.0035 MFD 5000 VOL
0.002 MFD 5000 VOLTS
0.0005 MFD 3000 VOLTS
0.0007 MFD 3000 VOLTS
12 MMF, 35 MMF
VAR. CAP. 8-26 MMF
RES. 15 OHM 4.5 WATTS
2 1/2" VERNIER DIAL
RIGHT ANGLE DRIVE
USED \$5.95 NEW \$7.95



MT-314/MPG-1 INDICATOR TUBE MOUNT FOR 7BP7 C.R. ELECTRIC FOCUSING WITH DIEHL CONTROL MOTOR FPE-25 75 v 60 cyc 2 PH AND A.C. SELSYN 115 v. 60 cyc. TYPE XV #78386, CAST ALUM INUM HOUSING & TUBE SOCKET FOR 7BP7 CATHODE RAY TUBE, FACE 1 1/2" SQ. x 15" DEEP, WT: 35 LBS. PRICE: LESS 7BP7 C.R. TUBE UNUSED \$14.95 WITH 7BP7 C.R. TUBE \$22.95

DYNAMOTOR TESTER



TS-414 DYNAMOTOR TESTER
THIS EQUIPMENT PROVIDES A MEANS OF TESTING DYNAMOTORS OF SEVERAL TYPES UNDER LOAD CONDITIONS. PROVISION IS MADE FOR THE MEASUREMENT OF INPUT VOLTAGE, INPUT CURRENT, OUTPUT VOLTAGE, OUTPUT CURRENT AND OUTPUT RIPPLE VOLTAGE OF BOTH SINGLE AND MULTIPLE OUTPUT DYNAMOTORS. METERS; INPUT D.C.V.; INPUT AC VOLTS RMS; DC OUTPUT CURRENT; DC OUTPUT VOLTS POWER REQUIRED; 14/28 VDC, 50 AMPS.
SIZE: 27x21x17 1/2; WT. 100 LBS. \$35.00

COMPUTER

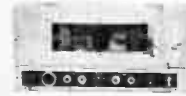


B-29 COMPUTER TESTER USED TO CHECK THE FIRE CONTROL SYS. THIS UNIT CONTAINS A VOLT-OHM METER WITH ONE OHM RANGE 300 OHM CENTER SCALE, AC; 3, 30, 150, 300. DC; 3, 30, 150. MILLIAMPMETER 2.5 MA AND 25 MA. 2/2JIF1 400CYC SELSYN 1/2J1H1 SELSYN 400CYCLE WHICH WILL OPERATE ON 36V 60CYC. 11/WAFER SWITCHES 6/ POTENTIOMETERS, 8/ TOGGLE SWITCHES, 1/FIVE PUSHBUTTON SWITCH, PLUS OTHER PARTS ALL IN A 19x12x16 1/2 IN LUGGAGE STYLE CASE WITH 4 FIVE FOOT CABLES AND CONNECTORS. SH. WT. 50 LBS. PRICE LIKE NEW \$22.50



TS-35/AP SIGNAL GENERATOR USED FOR THE TESTING AND GENERAL MAINTENANCE OF RADAR EQUIP. PRODUCES SIGNALS, CW OR PULSED INTERNALLY OR EXTERNALLY SYNCHRONIZED, OF KNOWN FREQUENCY AND POWER. USED TO MEASURE THE FREQUENCY AND AVERAGE POWER OF RADAR TRANSMITTER SIGNALS, AND TO PRODUCE FM SIGNAL FOR DETECTION OF DEFECTS IN RADAR EQUIP. WILL MEASURE SIGNAL TO NOISE RATIO, TRANSMIT RECEIVE RECOVERY TIME, FREQUENCY PULLING, AFC OPERATION AND BANDWIDTH. FREQUENCY RANGE: 8700-9500 MC; POWER SUPPLY 115V±10% 50-1200CYCLES
SIZE: 9x9x14, WT: 35 LBS.
PRICE: USED, \$39.95

WIRE RECORDER

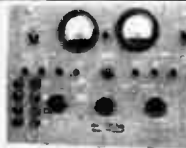


IC/VRW 7 SOUND RECORDER
WIRE TYPE, ONE INPUT CHANNEL 600 OHM IMPEDANCE, 290 R.P.M RECORDING SPEED. FREQ. RESP ONCE 300 - 3500 CPS. CONTROL IN FRONT FOR MICROPHONE & SIDETONE. WITH 2/2807 TUBES & MX-3034/ANQ-1 RECORDING WIRE FOR 60 MINUTES. VOLTAGE REQUIRED 24-28 VDC. THIS IS RECORDER ONLY NO PLAY BACK.
SIZE: 12 1/2 x 7 1/2 x 6 1/2; WT: 18 LBS. PRICE: USED \$9.95

SONAR



RT-200/AGS-4 SONAR RECEIVER-TRANSMITTER 20, 21 AND 22 KC APPROX. 150 TO 200 WATTS USES 2/829B TUBES PUSH-PULL, 2/6RE6, 2/12AU7, 1/6AQ7, 2/0A2, 4/12AU7, 2/6RA6, 1/6AT6 & 6RF6 VOLTAGES REQUIRED 28 VDC, 630 VDC 500 MA, SIZE: 17 1/2 x 9 x 7; WT: 20 LBS. PRICE: USED \$29.50



1-199 TEST SET
DYNAMOTOR & HAND GENERATOR TESTER USED TO CHECK EQUIPMENT UNDER LOAD CONDITIONS. INPUT VOLTAGE READINGS 0-60 VOLTS DC & 60 AMPS. D.C. OUTPUT VOLTAGES 0-1200 VOLTS D.C. & 600 MA. D.C. ALSO PERCENTAGE OF RIPPLE IN THE INPUT & OUTPUT, ALL SHOWN ON 3" RD. METERS ALSO CONTROLS FOR VARYING VOLTAGE & CURRENT UNDER LOAD. SIZE: 18x12x11, WT: 40 LBS. PRICE: USED \$29.50 NEW \$39.50

DATA MAPPING

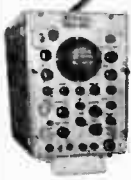


RADAR CONSOLE DATA MAPPING UNIT A-1007/FSQ; 15" CATHODE RAY TUBE DISPLAY WITH 8032 IMAGE CONVERTER TUBE MOUNTED IN THE GOOSE-NECK ASSY. OVER LOOKING THE CR TUBE, ELECTRIC SCANNING AND AMPLIFIER CIRCUITS WITH 12 KVDC AND 1.5 KVDC POWER SUPPLIES. MFG BY IBM FOR BENDIX. SIZE: 33x35x60; WT: 150, USED \$75



STARK TUBE CHECKER 9-66 OR DYNAMIC MUTUAL CONDUCTANCE TYPE DESIGNED TO PROVIDE EITHER REPLACE-GOOD READINGS OR MUTUAL CONDUCTANCE VALUES IN MICROHMS OF VACUUM TUBE USED IN RECEIVERS & TRANSMITTERS. WITH PROVISIONS FOR LOCATING SHORTS & LEAKAGE BETWEEN ELEMENTS ALSO NOISE TEST ROLLER TYPE CHART FOR TUBE SETTINGS. NEW CHARTS CAN BE OBTAINED FROM MFG. WHEN NECESSARY.
SIZE: 18x17x8; WT: 45 LBS. USED \$65 CHKD \$75

OSCILLOSCOPE



OS 57/USM-38 OSCILLOSCOPE 3" CR PORTABLE GENERAL PURPOSE UNIT TO CHECK ELECTRONIC EQUIPMENT. SINE WAVE FLAT 30B 10 CPS TO 6 MCPS. SQUARE WAVE LESS 10% TILT FOR 50 CYC PS. POLARITY POS. UP NEG. DOWN. DEFLECTION, INPUT IMP. 1 MEG. PARA. 35 MMFD. SWEEP TIME 1 TO 100M MIC-SEC PER IN. CONT. ADJ. TRIG. OR PERIODIC. 0-1 VOLT PK TO PK LINE FREQ. FL. TOP WAVE FOR CALIBRATION. TIMING MARKERS SYN. W/SWEEP, AVAILABLE 1, 10 AND 100 MIC-SEC. TRIGGER PULSE OUT. 100 V. PK. 1.5 MIC-SEC. PULSE, REPETITION RATE CONT VAR. 40 TO 5M PER-SEC. SWEEP DELAY EXP. 10% X5. V INPUT .1 RMS MIN. 150 RMS. MAX. PK 600V POWER REQ. 115 VOLT 50-400 CYCLE: WITH TUBES 3WP1 C.R. 6/12AT7, 7/6H6, 5/5814, 2/12BY7, 2/5726, 2/0A2, 1/6X4, 1/5RA4, 1Z2, 5718.
SIZE: 9x13x16 WITH HANDLE & STAND: WT: 36 LBS PRICE: USED SERVICEABLE \$50.00 CHECKED \$65.00



BC-604 TRANSMITTER
FREQ. RANGE 20-27.9 MC OUTPUT APPROX. 30 WATT. 10 CRYSTAL CONTROLLED CHANNELS. FREQ. 54 TIME CRYSTAL FREQUENCY 12 VOLT DC OPERATION WITH DM-35 DYNAMOTOR. 24 VOLT DC OPERATION WITH DM-37 DYNAMOTOR. BATTERY DRAIN 20A. ON 12 VOLT TUBE LINEUP; 1619 DOUBLER, 1619 TRIPLER, 1619 1ST RF AMPLIFIER, 1619 RF RECTIFIER, 1624 POWER AMPLIFIER.
SIZE: 18" L x 11 1/2" H x 10 3/8" D. WT: 60 LBS. LESS DYNAMOTOR. RE-NEW \$9.95

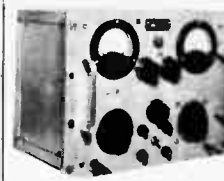
FT-237 MOUNTING BASE RE-NEW \$9.95

SHOCK MOUNT BASE TO HOLD ONE BC-924 TRANSMITTER AND ONE OR TWO BC-923 RECEIVER OR, ONE BC-603 RECEIVER. SOCKETS ON THE BASE WILL MAKE ALL OF THE NECESSARY CONNECTIONS TO THE SETS. TERMINAL BLOCK MOUNTED ON THE BASE FOR REMOTE CONTROL CABLE. WT: 44 LBS SIZE: 11 3/4" W x 1 3/4" H x 33 5/8" L.

1-61 TEST SET FOR TRANSMISSION MEASURING

PORTABLE BATTERY OPERATED UNIT USED TO MEASURE LOSS ES OR GAINS IN CIRCUITS OR APPARATUS. AUDIO OSCILLATOR FREQUENCIES OF 500, 1000 AND 2500 CYCLES WITH LEVELS OF -40DBM, -20 DBM OR 0 DBM INTO A 600 OHM LOAD, THE RECEIVING AMPLIFIER IS CALIBRATED TO MEASURE LEVELS FROM A 600 OHM SOURCE BETWEEN -50 DBM & 15 DBM IN STEPS OF 0.5 DBM OVER THE FREQUENCY RANGE OF 100 TO 10,000 CYC THE 0 DBM IS ONE MILLIWATT IN 600 OHMS. UNIT ALSO CONTAINS A EE-88 FIELD TELEPHONE, BATTERY OPERATED ASSY. WITH A TS-9 HANDSET. AND BE PURCHASED WITHOUT THIS ASSEMBLY. COMES IN WOOD CARRING CASE 18x10x11, WT: 47 LB PRICE, COMPLETE WITH TELEPHONE ASSY & TS-9 USED \$29.95 RE-NEW \$39.50 LESS TEL. ASSY " 19.95 " " 29.50

MD-34/ARA-8 MODULATOR KEYING UNIT
AUTOMATIC HOMING KEYING UNIT THAT OPERATES FROM 24 VDC MOTOR THAT IS CONNECTED TO A WORM GEAR WHICH ACTUATES THE CODED WHEEL THAT INTERRUPTS THE SIGNAL AND TRANSFERS FROM ONE ANTENNA TO ANOTHER. ALSO HAS RELAY AND THREE SO-239 TYPE COAX. CONN. CAN BE USED AS A REMOTE ANTENNA CHANGE-OVER. SIZE: 3x10x4 1/2, WT: 5 LBS. PRICE: USED..... \$1.95



TS-730 SUMMATION BRIDGE WATTMETER USED TO MEASURE R.F. OUTPUT IN THE 1000 TO 4000 MC RANGE. EMPLOYING A DIRECT READING CIRCUIT IN WHICH A BOLOMETER ACTS AS ONE ARM OF A D.C. WHEATSTONE BRIDGE AT THE SAME TIME PROVIDING THE CORRECT RESISTIVITY TERMINATION FOR RADIO FREQ. POWER ENTERING THE WATTMETER. POWER INPUT 5 MW TO 5 WATTS. INPUT IMPEDANCE 50 OHMS. METERS 3 1/2" 0-50 RELATIVE POWER AND CENTER SCALE BALANCE. WITH TUBES 2/5651, 6AU6, 6AS7G & 5Y3GT. POWER REQ. 115 V. 50-1600 CYCLE.
SIZE: 13x14x11; WT: 19 LBS. PRICES: LESS ATTENUATOR KIT BUT AS ILLUSTRATED LESS CARRING CASE \$14.95 WITH ATTENUATOR KIT AND CARRING CASE 35.00

M4A1 PERISCOPE WITH TELESCOPE
TWO MIRROR TYPE PRISMS IN METAL BODY WITH M77C TELESCOPE 1.5 POWER W/COATED OPTIC, ERECT IMAGE AND ILLUMINATED. ADJUSTMENT FOR ELEVATION AND DEPTH. OVERALL SIZE 11x6x1 1/2; PERISCOPE SIZE 5 1/2x1; WT: 9 LBS. PRICE: COMPLETE UNIT \$7.95 LESS TELESCOPE 4.95 TELESCOPE ONLY 4.95



MIRROR TYPE PRISM (NOT SOLID GLASS)
(MAKE YOUR OWN PERISCOPE AS LONG AS YOU WANT)
SIZE: 6 1/2 x 1 1/2 x 2 1/2; 2 LB. \$1.00



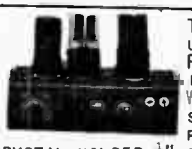
TS-13 SIGNAL GENERATOR
9305 TO 9445 MC. PER SEC. WITH CALIBRATED ATTENUATOR, WAVEMETER AND A THERMISTOR MEASURING POWER CIRCUIT. SIG. OUTPUT CW, FM, PULSED CARRIER. RECEPTION CW & PULSED CARRIER. PO 50 MICRO WATTS OUT. IMP. 50 OHMS WITH TUBES 3/6SN7, 2/6AC7, 1/6V6, 1/723AB1 (2K25) 1/5U4G, 3/0C3/VR-105. POWER REQUIRED 115V 60 CYCLE. (WRITE FOR MORE INFORM.)
SIZE: 11 1/2 x 2 1/2 x 10 1/2; WT: 75 LBS. PRICE: USED \$25.

1-242 RADAR TEST SET DESIGNED TO FURNISH A COMPARATIVE INDICATION OF TRANSMITTER OUTPUT AND MEASURE PULSE RECURRENCE RATE. CONSISTS OF DUMMY LOAD WITH 3" METER 0-50 MA WITH 0-100 SCALE. USED \$6.95
SIZE 6x10x11; 14 LBS

R-425B/ARW-59 RECEIVER
USED IN PILOT LESS AIR CRAFT IN THE 406 - 420 MC. F.M. BAND, 15 CHANNELS WITH A RESONANT AUDIO TONE OUTPUT IN THE FREQ. RANGE OF 7.5 TO 22.17 K.C. SENSITIVITY 5 MICRVOLTS WITH TUBES 8/5840, 5/5702, 6/5718, 2/5647, 1/5639 ALSO 2 CRYSTALS, 24 VDC BLOWER AND DYN. 24 VDC 2.3 A. OUTPUT 128 V. 205 MA. SIZE: 8x8x6; WT: 10 LBS. USED \$14.95

CARRIER MONITOR

CARRIER MONITOR WHEN COUPLED TO AN ANTENNA TRANSMISSION LINE IT PROVIDES DIRECT CURRENT TO A REMOTE POSITION WHICH CAN BE USED AS AN INDICATION OF PROPER TRANSMISSION. THE OUTPUT AMPLITUDE IS PROPORTIONAL TO THE CURRENT FLOW IN THE TRANSMISSION LINE. INPUT IMPEDANCE 600 OHM, OUTPUT IMP. 600 OHM. OUTPUT LEVEL - 3DBM FOR 100% MOD. INTO 600 OHM LINE. WITH TUBES 6X4, 6J6, 6AL5, V103. VOLTAGE REQ. 115/230V 60 CYC. OUTPUT JACKS AND CONTROLS ON FRONT PANEL. ALSO 2 VACUUM CAPACITORS 3MMFD 15 KV AND LEAD FOR CONNECTING TO 500 TO 50K WATT TRANSMITTER IN THE 2 TO MC. RANGE. UNIT ALSO HAS COVER. SIZE: 6x6x8 1/2; 15 LBS. #1028017 UNUSED \$4.95



TS-32/TRC-1 TEST OSCILLATOR USED FOR ALIGNMENT OF R-19 FM RECEIVER THAT OPERATES IN THE 70-100 MC RANGE. WITH TUBES 6SN7, 6SL7 & 6SH7 SWITCH FOR MODULATION, CARRIER, SO-239 COAX. CONNECTOR CRYSTAL HOLDER 3" SPACING AND VARIABLE CONTROL FOR ADJ. FREQ. REQUIRES FIL. & HIGH VOLT. SIZE: 6x5x3 1/2; 5 LBS. USED \$6.95

RADAR SET



RT-39/APG-5 RECEIVER-TRANSMITTER P/O APG-5 RADAR SET. FREQ. RANGE 2500 TO 2600 MC. POWER OUTPUT 0.5 KW. OPER. RANGE 200 TO 1800 YDS AGAINST AIR-CRAFT 5000 YDS AGAINST SHIPS. REMOTE CONTROL. THIS UNIT SUPPLIES RF PULS TO ANT. AND FEEDS REC. ECHO TO RANGE UNIT. PULSE MODULATED CRYSTAL MIXER. POWER REQ. 115V400 CYC AND 24 VDC. TUBES REQUIRED 1/2C43, 1/2C40, 1/3E29, 9/6AK5, 1/2X2, 1/5Y3, 1/VR-105, 1/1B27 AND 1/1N21. CONNECTOR PLUG \$2.00
 SIZE: CAN 16x10; WT: 25 LBS.
 PRICE: WITH TUBES \$39.50 LESS TUBES \$20

CF-8/APG-5 RANGE COMPUTER; USED W/ RT-39/APG-5 R/T LISTED ABOVE. RECEIVES VIDEO FROM R/T AND FURNISHES V PROPORTIONAL TO RANGE TO SERVO AMPLIFIER. POWER REQ. 115 V. 400 CYCLE AND 24 VDC. WITH TUBES 2/5Y3, 2/6AC7, 2/6SJ7, 3/6SL7, 5/6SN7, 1/6V6, 1/884, 1/VR-105 & 1/VR-150. ALSO 24 VDC BLOWER.
 SIZE: 16x10 CANNISTER COVER INCLUDED.
 WT: 25 LBS. (DEMILITARIZED BUT NO EFFECTIVE DAMAGE.) \$19.95
 PLUG CONNECTORS \$2.00 EA. 2 REQ.

AM-61/APG INDICATOR AMPLIFIER; USED WITH APG-5 AND APG-15 SYSTEM WITH ID-116 INDICATOR. POWER REQ. 115 V. 400 CYC. & 24 VDC. WITH TUBES 7/6SN7, 1/5Y3, 3/6SL7, 1/8016, 3/VR-105, ALSO 24 VDC BLOWER.
 SIZE: 16x10 CANNISTER COVER INCL.
 WT: 25 LBS. \$19.95
 PLUGS \$2.00 EA. 2 REQ.

ID-93/APG-13 RADAR INDICATOR; GIVES TYPE M INDICATION, TYPE INDICATION WITH A STEP ADDED OF OUTPUT OF RT-39/APG-5 REC. TRANS. (DESCRIBED ABOVE). POWER REQ. 115V400 CYC AND 24 VDC. WITH TUBES 1/3BP1, 2/6H6, 6/6SN7, 1/5Y3 & 1/2X2. ALL CONTROLS ON FRONT PANEL, VERTICAL HORIZ., INTENSITY, ZERO SLOPE, MARKER AMPLIFIER REC. GAIN, YARDS RANGE, FOCUS ETC.
 SIZE: 8x10x16; WT: 25 LBS. NEW \$19.95
 CONNECTOR PLUGS, 1 TO RT-39, 1 TO C-1 SIGHT AND 1 FOR INPUT POWER, EACH PLUG \$2.00.

CU-128F/U ANTENNA COUPLING UNIT; IMPEDANCE MATCHING UNIT DESIGNED TO PROVIDE EFFICIENT SIGNAL TRANSFER BETWEEN ANTENNA TRANSMISSION LINES OF DIFFERENT IMPED. IN RECEIVING INSTALLATIONS. FREQ. RANGE 4 TO 20 MC. INPUT IMPED. 200, 250 OR 700 OHMS. OUTPUT IMPED. 70 OHMS. UNIT HOUSED IN WATERPROOF METAL BOX WITH MOUNTING FACILITIES & MANUAL
 SIZE: 8x4x7 1/2 SHPG. WT: 15 LBS. RE-NEW \$3.95

CANADIAN PERFORMANCE TEST SET TYPE QE1740. PORTABLE UNIT FOR CHECKING SARAH BEACONS RB55 ETC. CONSISTS OF A RECEIVER USING TUBES 2/CV2361 AND TRANSMITTER CV-468 FOR CHECKING AT APPROX. 244 MC. WITH VARIABLE TUNING ON EITHER SIDE. PHONE JACK FOR REC. BUT THE TRANS. IS FOR USE WITH A EXTERNAL CODING DEVICE WHICH IS NOT SUPPLIED. HAS 3 1/2" 0-200 D.C. MICROAMP. METER WITH RINGING SWITCH FOR CHECKING VARIOUS CIRCUITS. POWER REQ. 90 & 420 VDC. WITH TUBES AND ANTENNAS IN CARRYING CASE.
 SIZE: 15x8x9; WT: 10 LBS. PRICE: USED \$9.95

RT-35/AM RADIOSONDE TRANSMITTER-RECEIVER 675 TO 725 MC. USED FOR WEATHER AND RADAR OBSERVATION WITH 4/1L4 & 1/2C35 TUBES. VOLTAGE REQ. 90 VDC & 1VDC SIZE 3 1/2x4 1/2x10; WT: 5 LBS. PRICE: NEW \$3.95

T-69F/AMT-2 RADIOSONDE TRANSMITTER ONLY. F-2 EMISSION (FM) 390 TO 410 MC RANGE WITH TUBES 5703 AND 5910. REQUIRES BB-208 DRY CELL BATTERIES (SOLD SEPARATE). SIZE: 6 1/2x5x2 1/2 WT: 2 LBS. \$1.95
 BB-208 DRY CELL BATTERY SET WT: 1 LB. \$.59

BD-62 SWITCHBOARD; HAS PROVISIONS FOR 1 TELEPHONE, 2 OUTPUT AND 8 MICROPHONE CIRCUITS WITH LEVER TYPE KEYS & DROPS AND PATCHING FACILITIES FOR ALL CIR.
 SIZE: 32 1/2x8 1/2x8 1/2; WT: 30 LBS. USED \$9.95

EE-101 TELEPHONE RINGING EQUIPMENT USED FOR CONVERTING 20 CYCLE RINGING TO 1000/20 CYCLE ALSO 1000 CYCLE TO 20 CYCLE FOR OPERATING TEL. DROPS ON 2 CHANNELS. OPERATES FROM 115/230 V. 50/60 CYCLE OR 12 VDC. WITH TUBES 6/6SJ7, 1/6V6GT. 19x9 RACK MTG. SHIPPED IN WOOD CHEST 100 LBS.
 PRICE USED \$9.95

TG-30 REPEATER, TELEGRAPH TERMINAL FOR TRANSMITTING OR RECEIVING ON A HALF DUPLEX ONE CHANNEL OPERATION. CAN BE USED TO INTERCONNECT NEUTRAL AND POLARENTIAL OR TWO PATH POLAR TELEGRAPH OR TELETYPEWRITER SYSTEMS ON SIMPLEX OR COMPOSITED RETURN CIRCUITS. SPEED 60/66. OPERATES FROM 115/230 V. 50/60 CYC & 115 VDC SHIPPED IN WOOD CHEST 25x16x14; 175 LBS
 PRICE: USED \$12.95; RE-NEW \$16.95

RC-263 TRANSMITTING EQUIPMENT; 1.5 TO 10 MC CRYSTAL CONTROL OR M.O. ON ANY 4 PRESELECTED CHANNELS WITH LOCAL OR REMOTE DIALING OF "ON" OR "OFF" CHANNEL SELECTION ETC. 75 WATT C.W. 50 WATT PHONE. POWER REQ. 100 TO 260 V. 25-60 CYCLE FOR OPERATION OF THE BUILT IN POWER SUPPLY. THE BC-1100 TRANSMITTER CAN BE OPERATED REMOTELY AND COMES WITH TUBES 6/6L6, 3/807, 1/VR-150, 1/5Z3 & 2/RK-60. THE RM-40 CONSISTS OF AMPLIFIER W/LINE LEVEL METER, MICROPHONE CIR. SWITCHING AND PULSE DIAL CIRCUITS TO CONTROL THE TRANS. WHICH CAN BE DONE OVER TEL. LINES. WITH TUBES 2/6J5 & 1/80.
 TRANS. SIZE: 18x40x30; WT: 41 LBS.
 REMOTE " 10x14x1 1/2; WT: 50 LBS.

SPARE PARTS BOX CONTAINS THE OPERATING TUBES, SPARE TUBES 16 SAME AS USED IN EQUIP. 2 HAND TYPE CHROME, CARBON MICS. 100 OHM, 7 METERS, 8 RELAYS, 1 SWITCH, 25 RESISTORS, 20 CONDENSER 110 FUSES, 2 RECT. 2 RHEO. 2 POTS, 24 LAMPS ETC. ALSO 2 MANUALS. SPARE PARTS BOX WEIGHT 72 LB.
 PRICE: BC-1100, RM-40 & SPARE PARTS \$195.00
 WITH BC-1100 & RM-40 W/OPERATING TUBES \$150
 MANUAL BC-1100 W/OPERATING TUBES \$125.00
 RM-40 REMOTE CONTROL UNIT ONLY \$35.00

PORTABLE REPEATER
 USED \$3.95
EE-89 TELEPHONE REPEATER; PORTABLE BATTERY OPERATED, 2 WAY LINE UNIT, CAN BE USED AS TERM. OR INTERMEDIATE AMPLIFIER, USES ONE 3Q5GT TUBE, INCLUDES HEADSET ELEMENT FOR MONITORING AND GAIN CONTROL, BATTERY VOLTAGE REQUIRED 1.5 & 90 VDC. IN WOOD CASE W/CARRYING STRAP. SIZE: 6x9x8; WT: 12 LBS.

RDR NAVY RADIO RECEIVER 225 TO 390 MC. CRYSTAL CONTROL ON ANY 10 PRE-SET CHANNELS WHICH ARE MANUALLY SELECTED FROM THE SET OR CAN ELECTRICALLY SELECT FROM A REMOTE POSITION BY USE OF THE MOTOR DRIVEN SELECTOR. WITH TUBES 9003, 6AK5 6J6, 12SL7, 6AG7, 12A6, 2/12H6, 2/6CA, AND 4/12SG7. 12 VOLT DC POWER REQUIRED. SIZE: 21x16x9; WT: 45 LBS. USED \$29.95
 RDR CRV-46283 MANUAL \$5.00

NAVY INTERPHONE AMPLIFIER USED WITH TCS EQUIPMENT. PUSH-PULL 2/12A6 TUBES. CARBON MIC. INPUT 75-200 OHM ALSO 600 OHM. OUTPUT 125 OHM. VOLTAGE REQUIRED 12 VDC & 250 VDC 60 MA. HAS MOUNTING FOR DYNAMOTOR 35x032, 12 VOLT.
 (SEE CONVERSION INFORMATION LISTED BELOW.)
 SIZE: 7 1/2x10x7; WT: 15 LBS.
 PRICE: AMPLIFIER WITH TUBES \$2.95
 " " & Dyn. 6.95

KIT FOR CONVERSION TO SPEAKER OUTPUT, APPROX 5 WATTS, INCLUDES OUTPUT TRANSFORMER, MIC & PHONE JACKS, SWITCH, CABLE AND PLUG FOR PLUGGING INTO LIGHTER AND INSTRUCTIONS. \$2.00

IM-120/UPM STANDING WAVE RATIO METER DESIGNED TO BE PLACED OVER 1 1/2" WAVE GUIDE TO DETERMINE THE STANDING WAVE RATIO OF THE WAVEGUIDE TO THE ANTENNA SYSTEM. USED WITH DIRECTIONAL COUPLER CU-245/U BUT CAN BE ADAPTED TO OTHER SYSTEMS. UNIT HAS 6/1N25 CRYSTAL DIODES AND 3 1/2" METER FOR INDICATION. ALSO INSTRUCTION MANUAL. THE CARRYING CASE IS ALUMINUM SEALED WATERPROOF AND IS OPTIONAL. CASE SIZE 9x7x5 1/2; WT: 10 LBS. NEW PRICE: LESS CASE \$11.50 WITH CASE \$14.95

CABINET, FROM MULTI-POINT STATION CONTROL, AUTOMATIC ELECTRIC MFG. STEEL CABINET WITH WIRED CONTROL PANEL. CONTROL PANEL INCLINES AT 45° ANGLE AND EXTENDS 7 1/2" DEEP FROM THE CABINET FACE. PANEL INCL. (5) PUSH BUTTON SWITCHES, (8) INDICATOR LIGHTS, (4) INPUT JACKS, & (3) FUSE HOLDERS. ON-OFF SWITCH. INTERNAL COMPONENTS REMOVED EXCEPT FOR (4) PLUG-IN RELAYS & A JUNCTION BOX. 120 VAC POWER REQUIRED. CABINET HAS REMOVABLE SIDE PANELS. SIZE: 36"Hx24"Dx12"W. SHPG. WT: 100 LBS #5815-638-2333 PRICE: USED GOOD COND. \$12.95

LM FREQUENCY METER NAVY TYPE 125 TO 20,000 KC HETERODYNE TYPE, CRYSTAL CALIBRATED, .01 TO .02 ACCURACY DEPENDING ON FREQ. 500 CYCLE MODULATION, WITH TUBES 1/6A7, 1/76 & 1/77 ALSO 1000 KC. CRYSTAL. VOLTAGES REQUIRED 12/24 FOR FIL. 180 VDC @ 5 MA. AND 475 VDC @ 20 MA
 SIZE: 8 1/2x8x8 1/2; WT: 13 LBS.
 WE HAVE A FEW SETS REMAINING THAT ARE LESS TUBES, CRYSTAL, NEON LAMP, CALIBRATION BOOK, FACE DIAL ALSO SOME SWITCHES, KNOBS, VOLUME CONTROL, CONNECTOR MAY BE MISSING OR BROKEN, AND CASE MAY BE DENTED OTHERWISE INSIDES ARE CLEAN. SOLD "AS-IS" \$8.00

TELEMETER PROGRAM SELECTOR FOR PAY TELEVISION
 CHOICE OF THREE PROGRAMS WITH PROVISIONS FOR DEPOSITING THE AMOUNT OF MONEY REQ. FOR EACH PROGRAM AS INDICATED ON THE COIN REGISTER WHICH ALSO SHOWS THE CREDIT BALANCE. THE PRE-RECORDED TAPE GIVES THE PROGRAM INFORMATION. (THE EXACT FREQ. OF THE SIGNAL CARRYING THE VIDEO AND SOUND IS NOT KNOWN BUT IS THOUGHT TO BE ABOUT 35 MC. WITH A 8 MC. SIGNAL FOR TRIGGERING THE CONTROL MECHANISM. SIZE: 15x7x7; WT: 25 LBS THE ITEMS LISTED BELOW ARE PART OF THIS UNIT AND CAN BE PURCHASED SEPARATELY.
 COMPLETE UNIT #1001/5 \$9.95

CABINET ONLY; HIGH IMPACT PLASTIC, 3LBS. \$2.25
REGISTER MECHANISM FROM T.V TELEMETER PROGRAM SELECTOR, SHOWN ON PAGE 24 OF REGULAR CATALOG. CONTAINS 2 ACTUATING PLATE SELENIUMS 300 & 1200 OHM, 1 5 RPM 115 V. 60 CYCLE SYNCHRONOUS MOTOR, 1 115V 60 OPEN FRAME MOTOR GEARED, CONTACTS, GEARS, LIGHTS ETC. #TELE-REG.1001
 SIZE: 7x5x6; WT: 5 LBS. A GOOD BUY FOR \$4.95

TAPE MAGAZINE 1/2" CONTINUOUS REEL APPROX. 66 FT. WITH RECORDING HEAD TENSION ROLLERS. UNIT WAS USED WITH THE REGISTER MECHANISM WHICH TURNED AT 20 RPM. CAN ALSO BE USED AT OTHER SPEEDS IF PROPERLY COUPLED. PART OF THE COIN COLLECTOR FOR THE TV TELEMETER UNIT. #TAPE MAG.1001
 SIZE: 4x6x3; 2 LBS. PRICE: \$2.95

TELEMETER TV CHASSIS #334 WITH TUBES 1/6BE6, 3/6U8A, 1/12BH7 & 1/6BA8A, 4" SPEAKER, PLATE RELAYS 1 3000 OHM COIL SPOT & SPST NORM. CLOSED, 1 3000 OHM 2PST NORM. OPEN. THE R.F. SECTION IS APPROX. 8 MC. WITH CRYSTAL OF 8135. THE 115 VOLT 60 CYC. POWERSUPPLY IS 150 VDC 100 MA. AND 6.3 CA. CHASSIS SIZE 10 1/2" L. x 6 DEEP x 6 HIGH WITH SPEAKER. WT: 10 LBS. # TELE-CHASS. 1001 \$5.95

Control Boxes Filters Indicators Tuning Units Amplifiers

VACUUM CAPACITOR

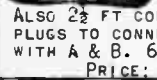


VACUUM CAPACITOR 3 MMFD 15 KVDC, PLUS OR MINUS 10% W/ CONNECTORS. SIZE 5/8x4; 8oz. JENNINGS TYPE Y-3 \$1.50

WESTERN ELECTRIC NO. 8047 50 MMF., 5 KV., 5 AMP. SIZE: 1 1/2 x 1 1/2; 4 oz. W/BC442 \$2.50



C-345A/MRC-2 CONTROL BOX HAS VOLUME CONTROLS, PHONE & SPEAKER JACKS, FOR TWO RECEIVERS A & B. ALSO 2 1/2 FT CORDS W/PL-68 PLUGS TO CONNECT THE UNIT WITH A & B. 6x3x2 1/2 WT: 4 LB. PRICE: \$3.95



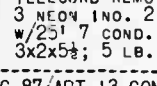
TELECORD REMOTE CONTROL 3 NEON IND. 2 SPST PUSH SW W/25' 7 COND. CORD. 3x2x5 1/2; 5 LB. NEW \$4.95



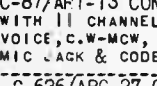
C-87/ART-13 CONTROL BOX, WITH 11 CHANNEL SWITCH, OFF, VOICE, C-W-MCW, IND. LIGHT, MIC JACK & CODE KEY. \$2.95



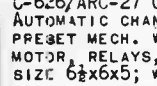
C-626/ARC-27 CONTROL BOX. AUTOMATIC CHANNEL SELECTOR PRESET MECH. W/ 24 V. OC MOTOR, RELAYS, GEARS ETC. SIZE 6x6x5; WT: 13 LBS. PRICE: USED \$4.95



BC-13C3 CONTROL UNIT USED IN IE-36 TEST SET FOR SCR-522. HAS ALL FACILITIES FOR OPERATION, OFF-A-B-C-D CHANNEL SWITCH, MIC, PHONE & ANT. JACKS, TRANS, REC & REMOTE SW. & PL-170 RECEPTACLE. \$3.95



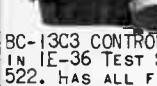
ALARM BELL OPERATES ON 24 VDC. 4x4x2 1/2; # 561-3 \$1.25



BC-1366 BC-335 C-4/ARN-7 RADIO COMPASS CONTROL BOX USED W/R-5, 5A ARN-7, THREE BANDS 200-1750 2" TUNING METER & GRAIN OF WHEAT LAMPS. TAKES MC-124 CONTROL SHAFT. USED \$3.95 FT-224 MOUNTING FOR C-4 BOX WITH TERMINAL STRIP & PLUG USED \$1.50



BC-1366 CONTROL BOX CONSISTS OF 5 POSITION RETARY SWITCH, VOLUME CONTROL & MICROPHONE & PHONE JACKS PRICE: \$1.00

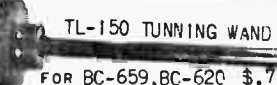


BC-606 CONTROL BOX; USED WITH BC-603/604, HAS PHONE & MIC. JACK, SPST SW. VOL. CONTROL, TERM. STRIP ETC. 4x4x2; 1 LB. \$1.00

Beam Filter

NAVY TYPE 16F2150 1020 CYCLE ACCEPT OR REJECT W/PL-55 PLUG ON CORD. PRICE: NEW \$2.25

FL-8 AIRFORCE TYPE SAME AS ABOVE LESS PL-55 \$2.50



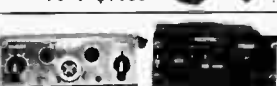
TL-150 TUNING WAND FOR BC-659, BC-620 \$7.75



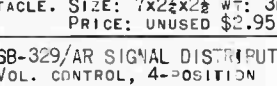
SIDE BAND Loading Coil C-114 - \$1.50



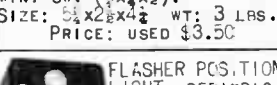
PHONE PATCH TRANSFORMER C-161 - \$1.50



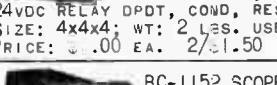
AIRCRAFT HORN SIGNAL WARNING EMERGENCY. TYPE J-1 PART# 71918 24 VOLT DC. 4"x1 1/2" 1 LB. PRICE: \$1.50



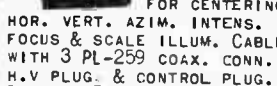
C-493A/VRC-2 CONTROL BOX W/ VOL. & SQUELCH CONTROLS, RED & GREEN IND. LIGHTS, AND STD 4-PRONG AMPHENOL MIKE RECEPTACLE. SIZE: 7x2 1/2x2 1/2 WT: 3 LB. PRICE: UNUSED \$2.95



SB-329/AR SIGNAL DISTRIBUTOR VOL. CONTROL, 4-POSITION TRANS. SELECTOR SW., TWO IND LIGHTS W/ 327 LAMPS, 3/SPDT REC. MINIATURE (1/2x1/2) SW., SPDT MB MINI-SW., DPDT NAV MINI-SW. (1/2x1/2). SIZE: 5 1/2x2 1/2x4 1/2 WT: 3 LBS. PRICE: USED \$3.50



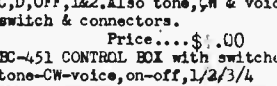
FLASHER POSITION LIGHT, PERIODIC AIRCRAFT TYPE C-2, CONTAINS 2 FLASHER G-107 BALLAST TUBE, 24VDC RELAY DPDT, COND. RES. SIZE: 4x4x4; WT: 2 LBS. USED PRICE: .00 EA. 2/31.50



BC-1152 SCOPE INDICATOR 3" CATHODE RAY TUBE 3HP7, 1/6H6. CONTROLS FOR CENTERING HOR. VERT. AZIM. INTENS. FOCUS & SCALE ILLUM. CABLES WITH 3 PL-259 COAX. CONN. H.V. PLUG & CONTROL PLUG. SIZE: 14x5x5; WT: 10 LBS. PRICE: USED \$4.95

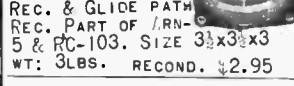


C-30/ARO-5 BC-451 BC-136/2 C-30/ARO-5 CONTROL BOX WITH 7 push button switches marked A, B, C, D, OFF, 1&2. Also tone, CW & voice switch & connectors. Price....\$1.00 BC-451 CONTROL BOX with switches tone-CW-voice, on-off, 1/2/3/4 also code key, mic & phone jacks.

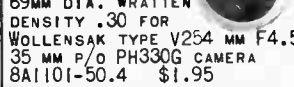


BC-136-2 Control unit with mic & phone jacks, volume control & two binding post. \$35 each Four for \$1.00

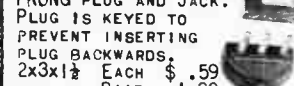
1-101 CROSS POINT INDICATOR FOR COMBINED USE FROM LOCALIZER REC. & GLIDE PATH REC. PART OF IRR-5 & RC-103. SIZE 3 1/2x3 1/2x3 WT: 3LBS. RECOND. \$2.95



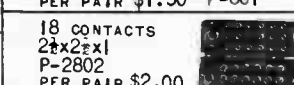
CAMERA LIGHT FILTER GRAY COLOR 50% TRANS. SCREW IN MOUNTING. 2-23/32 69MM DIA. WRITTEN DENSITY .30 FOR WOLLENSAK TYPE V254 MM F4.5 35 MM P/O PH330G CAMERA BA1101-50.4 \$1.95



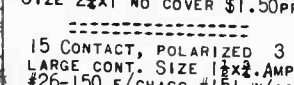
CONNECTORS PL-58 AND JK-37 THREE PRONG PLUG AND JACK. PLUG IS KEYPED TO PREVENT INSERTING PLUG BACKWARDS. 2x3x1 1/2 EACH \$.59 PAIR 1.00



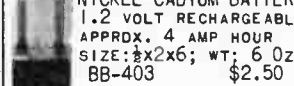
CONNECTOR PLUGS 15 CONTACT SIZE: 2 1/2x1 1/2x1 1/2 PER PAIR \$1.50 P-601



18 CONTACTS 2 1/2x2 1/2x1 1/2 P-2802 PER PAIR \$2.00



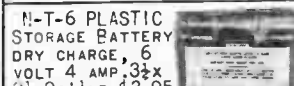
35 CONTACT CONNECTOR MALE #621905 FEMALE #407375 SIZE 2 1/2x1 NO COVER \$1.50 PR.



NICKEL CADMIUM BATTERY 1.2 VOLT RECHARGEABLE APPROX. 4 AMP HOUR SIZE: 1 1/2x2x6; WT: 6 OZ. BB-403 \$2.50



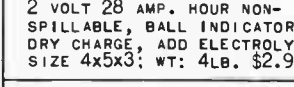
BB-208/AMT RADIO-SONDE DRY CHARGE BATTERIES, 4 IN A VACUUM PACKED CAN, ONE 6V 2 1/2 HR THRU 30 OHMS, 3 36V EA. 3A HR. THRU 1200 OHM. EA. BATT. SIZE 1-5/16x29/32x4-5/32; WT. EA. BATT. 4 1/2 OZ. BATTERY PACK (4) .59



N-T-6 PLASTIC STORAGE BATTERY DRY CHARGE, 6 VOLT 4 AMP. 3 1/2x 2 1/2x2 1/2; 1 1/2 LB \$3.95

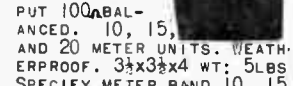


WILLARD PLASTIC STORAGE BATTERY 2 VOLT 28 AMP. HOUR NON-SPILLABLE, BALL INDICATOR DRY CHARGE, ADD ELECTROLYTE SIZE 4x5x3; WT: 4LB. \$2.95

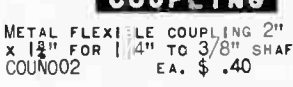


AUTOTUNE HEAD FOR ATC/ART-13 TRANSMITTERS. MULTITURN UNIT WITH DIAL 0-100, KNOB, REVOLUTION COUNTER, LOCKING DEVICE FOR PRESETTING. CONTROL "B". COL#23518 PRICE: \$1.95

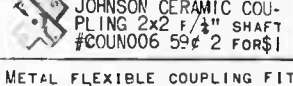
SINGLE PAND BEAM BALUNS INPUT 75 OHM-BALANCED. OUTPUT 100 OHM-BALANCED. 10, 15, AND 20 METER UNITS. WEATHERPROOF. 3 1/2x3 1/2x4 WT: 5LBS SPECIFY METER BAND 10, 15 OR 20. PRICE: NEW \$1.95



FLEXIBLE COUPLING METAL FLEXIBLE COUPLING 2" x 1 1/2" FOR 1/4" TO 3/8" SHAFT COUN002 EA. \$.40



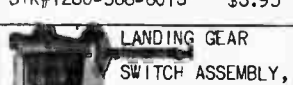
INSULATED FLEXIBLE COUPLING 1" x 1/2" FOR 1/4" SHAFT. COUN003 \$.25



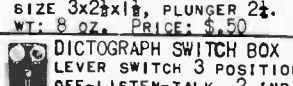
JOHNSON CERAMIC COUPLING 2x2 F 1/4" SHAFT #COUN006 59¢ 2 FOR \$1



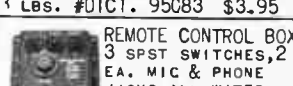
METAL FLEXIBLE COUPLING FIT 3/4" TO 3/8" SHAFTS. 1" DIA. 1 1/2" LONG. COUN005 \$.25



PRESSURE TRANSDUCER TYPE M-1 TOSS BOMB COMPUTER ELECTRIC TYPE DUAL DIAPH. HIGH LOW CONN. PITOT & STATIC LINES. SIZE 6x3x4; WT: 3 LBS. STK#1280-568-6013 \$3.95



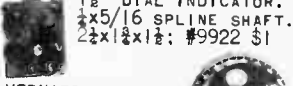
LANDING GEAR SWITCH ASSEMBLY, SINGLE POLE DOUBLE THROW, PLUNGER TYPE, PLUNGER IS DEPRESSED OPENS ONE CONTACT, CLOSSES OTHER, SPRING RETURN. SIZE 3x2x1 1/2; PLUNGER 2 1/2. WT: 8 OZ. PRICE: \$2.50



DICTOGRAPH SWITCH BOX LEVER SWITCH 3 POSITION OFF-LISTEN-TALK, 2 INDICATOR LIGHTS, 6 POSITION WAFER SWITCH, 5 FT. 14 CONO. CABLE, WOOD CASE WALNUT FINISH. 2x4x3 1/2 LBS. #DICT. 95083 \$3.95



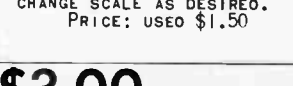
REMOTE CONTROL BOX 3 SPST SWITCHES, 2 EA. MIC & PHONE JACKS ALL WATERPROOF, 1 DUAL POT. ETC. SIZE 5 1/2x5 1/2x3 WT: 3LBS. #CM23366A NEW 75¢



K-14 GUNSIGHT LENSES IN FRAME EACH LENSE 2" DIAMETER, APPROX 3 POWER. WT: 1 LB. \$1.00



RIGHT ANGLE DRIVE WITH SPIN KNOB AND 1 1/2" DIAL INDICATOR. 1 1/2x5/16 SPLINE SHAFT. 2 1/2x1 1/2x1 1/2; #9922 \$1

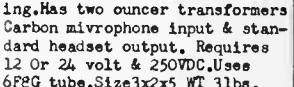


VERNIER DIAL 2 1/2" 100 TO 0 SCALE. TAKES 1/4" SHAFT. PRICE: \$1.50

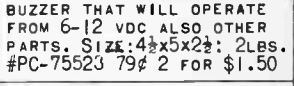


EC-347 AIRCRAFT INTERPHONE AMPLIFIER

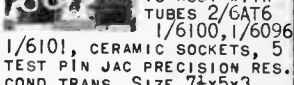
Used in small planes for speaking. Has two oncner transformers Carbon microphone input & standard headset output. Requires 12 Or 24 volt & 250VDC. Uses 6P8G tube. Size 3x2x5 WT 3lbs. with tube \$1.95 Less tube \$1.25



CONTROL JUNCTION BOX No 3 WITH CHROME PUSHBUTTON & BUZZER THAT WILL OPERATE FROM 6-12 VDC ALSO OTHER PARTS. SIZE: 4 1/2x5x2 1/2; 2LBS. #PC-75523 79¢ 2 FOR \$1.50



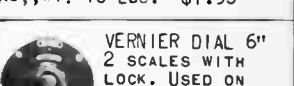
PPI RADAR SYNCHRONIZER OFFSET CHASSIS ASSY WITH TUBES 2/CAT6 1/6100, 1/6096 1/6101, CERAMIC SOCKETS, 5 TEST PIN JAC PRECISION RES. COND, TRANS. SIZE 7 1/2x5x3 4 LBS. STK. NO.1013 \$1.50



FREE FIRING BOX CONTAINS 2 RELAY 6 V. 2PST NORM. OPEN, 3 CAPACITORS 2 MFD. 600 VDC, 3MFD. 120 V. 400 CYC. 2x5 400 VDC, W/ SCHEMATIC AND SHOCK MOUNTING. CHASSIS SIZE 8x5x2 1/2 WITH COVER 8x5x6; WT: 10 LBS. \$1.95



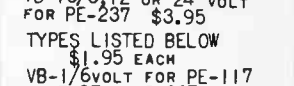
VERNIER DIAL 6" 2 SCALES WITH LOCK. USED ON TAJ TRANSMITTER MO TUNING. 5 LBS. \$3.50



VIBRATORS VB-16/6, 12 OR 24 VOLT FOR PE-237 \$3.95 TYPES LISTED BELOW \$1.95 EACH VB-16VOLT FOR PE-117 PE-97 & PE-237 SAME AS VB-7 VS-3/6VOLT FOR PE-104 SAME AS MALL-550G G534/12 VOLT FOR PE-110 VB-8/2 VOLT FOR PE-157 VB-9/6 VOLT FOR PE-157 VB-11/24 VOLT FOR PE-12 VB-12/6 VOLT FOR PE-120 VB-13/12 VOLT FOR PE-12



BB-51 BATTERY 2.75 HOURS THRU 300HMS LEAD CELLS SIZE 1 1/2x3 1/2x7/8. 5 OZ. DRY CHARGE. PRICE: 3 FOR \$1.00



BB-52 BATTERY, SAME AS BB-51 EXCEPT 36V. EA. 3A. HR. THRU 1200 OHM. PRICE 3 FOR \$4.95

MINIMUM ORDER \$3.00

POWER SUPPLIES

RECEIVER POWER SUPPLY & SPEAKER FOR THE FOLLOWING SETS
 R-23/ARC-5 BC-453 BC-342
 R-24/ARC-5 BC-454 BC-344
 R-25/ARC-5 BC-455 BC-348
 R-26/ARC-5 BC-946 BC-429
 R-27/ARC-5 RAX

COMPLETE WITH 6" DYNAMIC SPEAKER HOUSED IN A METAL CABINET WITH CONNECTING CABLE, PLUG, PHONE JACK, VOLUME CONTROL, BFO SWITCH ETC. IF REQUIRED. CAN ALSO BE USED FOR OTHER SETS. OUTPUT 200/250 VDC @ 90/60 MA. & 24 VAC @ 2A. INPUT 115 VOLT 60 CYCLE. SPECIFY FOR WHAT SET. SIZE: 10x10x6; WT: 15 LBS. NO. P.S.(SET NUMB.) PRICE; KIT OF PARTS \$18.00 WIRED \$21.00

BC-652 RECEIVER POWER SUPPLY WITH SPEAKER SAME AS ABOVE; KIT \$20.00; WIRED \$23.95

BC-603/BC-683 RECEIVER P.S. DESIGNED TO BE PLUG IN-TO THE SAME PLACE AS THE DYNAMOTOR WITH NO CONVERSION TO THE SET THAT WILL EFFECT THE OPERATION FROM THE DYNAMOTOR. ONLY WORK REQUIRED ID ADD ON/OFF SWITCH IN PLACE OF SPAR FUSE HOLDER. TRANSFORMER TYPE USING 5Y3GT TUBE
 OUTPUT 220 vdc 80 ma. & 24 vdc 2 A. WT: 5LBS. NO. P.S. 603/683 KIT \$11.00 WIRED \$16.00

PE-1100 POWER SUPPLY FOR BC-669 TRANSMITTER-RECEIVER. INPUT 115 VOLT 60 CYC. OUTPUT 520 VDC @ 420 MA. A 12 VDC VIBRATOR TYPE POWER PACK WITH AN OUT PUT OF 275 VDC @ 64 MA THAT PLUGS INTO THE CHASSIS SERVES AS A RECEIVER STANDBY. INCLD. FOUR 5Z3 TUBES, RESET CIRCUIT BREAKERS, A.C. OUTLETS, AND POWER OUTPUT PLUGS. SIZE: 20x9x12; WT: 100 LBS. UNUSED \$30.00

R-77/ARC-3 RECEIVER POWER SUPPLY
 OPERATES FROM 115 VOLT 60 CYCLE; SUPPLIES OUTPUT OF 210 VOLTS DC @ 125 MA. & 24 VOLTS AC @ 2 AMPS. COMPLETE WITH TRANSFORMER, CHOKE, CAPACITORS, SWITCH, PILOT LIGHT, LINE FUSE, 5Y3GT TUBE, CHASSIS, LINE CORD ETC. #PS-R77/ARC-3 SIZE: 5x6x9; WT: 14 LBS. (LAYOUT SAME AS 923) PRICE \$22.95

POWER SUPPLY No. 7630019. OPERATES FROM 115 VOLT 60 CYCLE DUAL HIGH VOLTAGE OUTPUT 400 DC 200 MA & 400 DC 200 MA. ALSO 6.3 VAC 2.75 A. & 6.3 VAC 5.5 A WITH 2/5R4GY TUBES. SIZE: 10x7x15; WT: PRICE: \$19.95
 CABLE WITH 18 CONTACT PLUG TO FIT P.S \$2.00

POWER SUPPLY No. 7630020VR VOLTAGE REGULATED, OPERATES FROM 115 VOLT 60 CYCLE. OUTPUT 200-250 DC. @ 150-250 MA. ALSO 6.3 VAC 2.75A & 6.3 VAC 5.5 TUBES 2/6AS7G, 1/VR-105, 1/6AK7 & 1/5R4G. WT: 30 LBS. SIZE: 11x10x6 \$18.95
 CABLE WITH 18 CONTACT PLUG TO FIT POWER SUPPLY PLUG, 4 FOOT \$2.00

POWER SUPPLY 763003 (MODIFIED) OUTPUT 375 VDC @ 225 MA & 6.3 VAC @ 2.75 A, 6.3 VAC @ 5.5 A. INPUT 115 VOLT 60 CYCLE. WITH 2/5R4GY TUBES. SIZE: 9 x 13 x 7; WT: 35 LBS. PRICE: \$14.95
 CONNECTOR 18 CONTACT \$2.00

PP-662/GPN POWER SUPPLY, VOLTAGE REGULATED, 300 VDC TO 90 MA. PLUS POTENTIAL 210 VDC MINUS. WITH TUBES 4/5651, 2/6AH6, 1/12AT7, 2/6AS7, 1/5Y3 & 1/5R4. OUTPUT PIN JACKS WITH ADJUST METERING SWITCH, FUSED OUTPUT & INDICATOR LIGHTS. SIZE: 10x8x20; WT: 35 LBS. NO. COVER OR PLUG IN RELAY. POWER REQUIRED 115 VOLT 60 CYC PRICE: USED \$14.95

DC. SUPPLIES

OPERATE FROM 115 VOLTS 60 CYCLE AND ARE COMPLETE WITH TRANSFORMER, RECTIFIER, CAPACITOR, SWITCH, LINE CORD, PILOT LIGHT, LINE FUSE ETC. INDICATED RATINGS ARE FOR LOAD CONDITIONS.

DUAL OUTPUT 12/14 OR 24/28 VDC @ 6 AMPS. SIZE 7x6x13; WT: 17 STK#PS-12/24VDC6A
 KIT OF PARTS...\$20.00
 WIRED COMPLETE... 24.95

OUTPUT 12/14 VOLTS DC @ 6 AMPS. SIZE: 5x9x5; WT: 20 LBS. STK#PS-12VDC6A
 KIT OF PARTS...\$14.00
 WIRED COMPLETE... 18.95

OUTPUT 24/28 VOLTS DC @ 4 AMPS. SIZE: 5x9x5; WT: 12 LBS. STK#PS-24VDC4A
 COMPLETE WIRED...\$17.95
 KIT OF PARTS... 13.00

OUTPUT 12/14 VOLTS DC @ 4 AMPS. SIZE: 5x9x5; WT: STK#PS-12VDC4A
 COMPLETE WIRED...\$14.95
 KIT OF PARTS... 10.00

OUTPUT 24/28 VOLTS DC @ 1 1/2 A. SIZE: 7x6x5; WT: 6 LBS. #PS-24VDC1.5A WIRED...\$10.95
 KIT OF PARTS \$8.00

OUTPUT 12/14 VOLTS DC @ 2 AMP SIZE: 7x6x5; WT: 7 LBS. #PS-12VDC2A WIRED...\$9.95
 KIT OF PARTS... 7.00

MOBILE SUPPLY

AVA-126 VIBRATOR POWER SUPPLY; OUTPUT 300 VDC 100 MA. OPERATES FROM 6, 12 OR 24 VOLTS D.C WHEN THE PROPER VIBRATOR IS USED, OCTAL BASE. SUPPLIED WITH 6 VOLT VIBRATOR (USED WITH AVT-112 AIRCRAFT TRANS) ILLUSTR. COVER REMOVED. UNUSED SIZE: 7x7x7; WT: 12LBS. \$4.95

RA-42 POWER SUPPLY RACK MOUNTING 19", 115/230 V 60 CYC OPERATION OUTPUT 200-250 VDC 100 MA HOUSED IN CABINET 7x8x6 WT. 30 LBS. USED \$12.00

RA-87 RECTIFIER; FOR USE WITH TELETYPE EQUIPMENT. CONVERTS 95 TO 125 VOLT OR 190 TO 250 VOLTS 50-60 CYC TO 115 VDC 400 MA AND 115 VAC 4.35 A. WHEN USED WITH 90 TO 250 VAC INPUT. RE-NEW \$12.95
 SIZE: 14x7x8; 45 LBS.. USED \$8.95

RA-74D POWER SUPPLY FOR RECEIVERS BC-779, 794, 1004, R-270 & R-1290. INPUT 95/105/117/130/190/210/234/260 VAC 25-60 CYC. OUTPUT 380 VDC @ 50 MA, 250 VDC @ 100 MA 100 VDC 4.5 MA -50 VDC 11 MA & 6.3 VAC 7 AMP. WITH TUBES 1/5Y3GT & 1/5U4G. RACK PANEL MTC. SIZE: 19x10x10; WT: 100 LBS PRICE: RE-NEW\$24.95

VOLTAGE REGULATED POWER SUPPLIES

LAMBDA VOLTAGE REGULATED POWER SUPPLIES 105-125V. 60 CYC, RACK MOUNTINGS.

28M 200-325 VDC @ 100MA 6.3 VAC 3A. WITH METERS (PICTURED) \$18.95
 C-28 200-325 VDC @ 100 MA 6.3VAC 3A. \$15.95
 C-28IM 125-325 VDC @ 200 MA AND 6.3 VAC @ 10 A. WITH METERS \$27.95
 C-480M 0-200 VDC 400MA. AND 6.3 VAC @ 15 A. WITH METERS \$39.95
 C-1580M 0-200 VDC 1.5 A. AND 6.3 VAC @ 15 AMPS WITH METERS \$49.95
 SORENSON 560 BB 150/500/600 VDC @ 500 MA. 6.3 VAC @ 10 A. WITH 4"x4" METERS CABINET TYPE \$44.95

RECTIFIER 12 VDC

RECTIFIER POWER UNIT 12 VDC 20 AMPS CONTINUOUS DUTY OUTPUT, INPUT 115 440 VOLT 60 CYCLE, 3 1/2" METERE 0-15 D.C VOLTS, 0-30 DC AMPS. COARSE & FINE CONTROLS, SELINIUM RECTIFIERS BRACKETS FOR WALL MTC. SIZE: 12x17x11; WT: 70 LBS. NEW NAVY#6130-542-6140; Mod. #S20-GS12VN \$45.00

SCM-603601 VOLTAGE REGULATED 24 VOLT D.C 3 AMP. POWER SUPPLY FOR RACK PANEL MOUNTING. LINE REG. 1%, LOAD 5%, THREE CAPACITORS 37,500 MFD 35 VDC, SILICON RECT. SIZE: 19x6x7; WT: 20 LBS. NEW \$19.95

PP-142 POWER SUPPLY 115 V 60 CYC VOLTAGE REGULATED 300 VDC 250 MA. ALSO 6.3 @ 3.75, 6.6 @ 9 A. WITH TUBES 3/6Y6G, 2/5U4G, 1/6AK7 & VR-150 ADJUSTMENT FOR B FUSE-LINES, INDICATOR AND EXT. JACKS FOR OUTPUT ON FRONT PANEL. SIZE: 9x16x12; WT: 85 LBS. USED \$22.50

PP-629/URR POWER SUPPLY INPUT: 115/230 VAC 60 CYC OUTPUT: 24 VDC PULSATING (NO FILTERS) 17 AMPERES. ON-OFF SWITCH WITH INDICATOR LIGHT. SIZE: 23x21x15; SHMPG. WT: 120 LBS. PRICE: RE-NEW \$29.95

RA-62 POWER SUPPLY FOR SCR-522 RECEIVER-TRANSMITTER. INPUT VOLTAGE 115/230 VOLT 60 CYCLE OUTPUT 300 VDC 230 MA. -150 VDC 8 MA & 13 VDC 3.9 AMP. WITH TUBES 2/5U4 & 1/6X5. SIZE: 16x11x11; WT: 75 LBS. PRICE: USED \$39.50
 AC LINE PLUG ONLY \$1.50 OUTPUT PLUG \$1.50

PP-691/G POWER SUPPLY USED WITH THE TCC-13 MULTIPLEXER SYSTEM, OUTPUT 250 VDC @ 1.5 A AND 115 VAC @ 5 A. TRANSFORMER HAS 34 VCT WINDING THAT IS NOT USED, METER 2 1/2" 0-150 VOLTS AC, CIRCUIT BREAKERS AND FUSED CIRCUIT RACK PANEL MTC. 19x12x19; WT: 125 LBS. PRICE: USED SERVICEABLE EXCELLENT \$19.50

RBM CCT-20086 RECTIFIER POWER SUPPLY. INPUT 115 V. 60 CYCLE OUTPUT 12 V. 60 CYC 2.9 AMP. AN & 205 V.D.C. 76 MA. 5U4G RECT. SIZE: 8x9x13; WT: 20LBS. PRICE: USED \$12.95
 P-2003 CONNECTOR PLUG...\$1.50

SCOPE POWER SUPPLY 110 VOLT 380-420 CYCLE INPUT, OUTPUT APPROX. 1800 VOLTS 1.5 MA. WITH TRANSFORMER, 2/CONDENSER .1 4000 VDC, 1/122 TUBE, TERMINAL STRIP RESISTORS ETC. SIZE: 6x7x5; WT: 5 LBS. GE ASSY#7608055 \$2.95

AC TO DC POWER SUPPLY; 115 VOLT 50-60 CYCLE INPUT, OUTPUT 115 TO 230 VDC IN VARIOUS STEPS AS CAN BE ADJUSTED BY THE TAP SWITCH ON THE PRIMARY AND SECONDARY IN SIX STEPS, APPROX. 400 TO 500 MA. D.C. #KS-5825-L01 PRICE: 19x3x10; WT: 45 LBS. PRICE: USED \$9.95

CMD-20ACH-1 POWER SUPPLY; INPUT 115/230 VOLT 60 CYCLE OUTPUT 350 VDC @ 200 MA AND REGULATED 150 VDC 30 MA. TWO WINDINGS 6.3 V & 5 VOLT. WITH TUBES 2/5R4GY, 1/6X5GT, 1/VR-105 AND 3/6SN7. SIZE: 15x12x10; WT: 40 LBS. UNUSED \$19.95

RELAY

RELAY 24 vdc SPDT
1x1x1
WS 571981 \$.35

TELEPHONE TYPE



RELAY 4PST NORMALLY OFF 12 VDC GR204-BC-966A 1x1x1x3 3380-557180-7435 \$1.00
6PST 50 VDC 1/2 A. COIL 250 OHMS 50 VDC 39 MA. OPERAT. 4x2x1x1; 4C7737-62 \$1.00
IPDT & 3PST 50 VDC 2 A. OPER. 46 VDC 38 MA 1200OHM 4x2x1x1; 4C7737-62 \$1.00
RELAY 200 VDC 135 MA, ONE COIL 1100 OHM, OTHER 1200 OHM. CONTACTS 2PDT, 6PST-NO IPST-NC#5945-259-4275 \$1.
RELAY 150 VDC 150 MA. 1000 OHM COIL, CONTACTS 6PDT & 4PST-NO POTTER & BRUMFIELD 82-92-1005 BS-2202 \$1.00
RELAY CONT ARRANGEMENT 2E/ E IC. 115 VAC 60 CYC FAST ACT BREAK 7; MAKE 4. 4x2x1x1 #27593-41 \$1.50

SEALED RELAYS 24 VDC 3 A. CONT. VARIOUS MFG. ROUND, OBLONG OR SQUARE, WIRE OR PLUG-IN. SORRY NO CHOICE.
IPST # C-400 USED .35
IPDT #5703-34 " .40
2PDT #5709-7H " .45
3PDT #5647 " .50
4PDT #54428 " .55
6PST #56469 " .60
POTTER & BRUMFIELD 12 PIN PLUG-IN PLASTIC COVERED 24 VDC, CONT. 2PDT, IPST N.O AND IPST N.C. 1x2x2x2 #82-70-5133/24 \$.75

12 VDC RELAY, DPST, NORMALLY OPEN, 67 OHMS, 2x3x3 1/2; SW-182 USED 50¢
RELAY 6V D 1x1x1x1 4IF 500S-SIL \$.50
PLATE RELAY 10,000 OHMS. CONTACTS 115 VAC @ 5 AMPS 1x1x1x1 #R3P-3189 \$1.50

CONTACTOR; ALLEN BRADLEY, COIL 26 VDC, CONTACTS 115 VAC 22 AMPS. 3 POLE, WESTERN ELECTRIC #GA51038- SIZE: 5x3x3; 3LB. \$4.95

INTERVAL TIMER ASSEMBLY RELAY TIME DELAY 5 MIN. RESET DELAY 100 SEC. MOTOR VOLTAGE 120V 400 CPS CLUTCH VOLTAGE 28 VDC. ALLIED CONTROL UNIT; 115V 400 CPS, CONT. 2A-29VDC AND 24V 4PDT RELAY. 5LBS. #SS 19180 \$2.95

WESTON SENSITROL RELAYS MODELS 723 AND 705; 3/4" ROUND. USED \$4.95 EACH SPECIFY:
RANGE MODEL
80% TO 120% VOLTS DC 723
90% TO 110% VDC 723
95% TO 105% VDC 723
110% TO 100% VOLTS AC 705
100% TO 90% VAC 705
.9 TC 1.1 MILLIAMPS 723

SILICON

RECTIFIER

POWER TESTED AT 1 MA MAX. LEAKAGE

1 AMP (TOP HAT)	
50-20C PIV \$.10
200-400 "	.15
400-600 "	.25
600-800 "	.35
800- "	.45
1000 "	.55

5 AMP (STUD)	
200-400 PIV	.50
400-600 "	.60
700 "	1.00
800 "	1.20
1000 "	1.75

IN1347 6 AMP. 500 PVI (GOLD)	1.50
35 AMP (STUD)	
50 V \$.75
100 V	1.00
200 V	1.60
300 V	2.00
400 V	2.25
500 V	2.50
600 V	3.00
900 V	4.00

STRATOPACK FOUR SECTION RELAY SECT.#1 4PDT " 2 4PDT " 3 4PDT " 4 6PDT " 24 VOLT D.C 3x4x2x7; 5LB \$1.95

RHEOSTAT

OTHER VALUES IN STOCK WRITE FOR YOUR NEEDS

STK#	WATTS	OHMS	PRICE
29992	25	25	\$.50
270-5	25	3500	.50
ABOVE SCREWDRIVER ADJ.			
750KK	25	75	.50
13990	100	100	.50
201KK	200	50	.50
25250	250	50	.50
92700 (DUAL)	250	250	1.00
24609	25	5	.50

41132	50	7.5	.75
5049	50	8.0	.75
0309	50	1.0	.75
50-12	50	12	.75
ABOVE SCREWDRIVER ADJ.			
2954	50	15	.75
15822	50	17	.75
5895 (DUAL)	50	20	1.50
850-30DUAL	50	30	1.50
666-1731	50	34	.75

32229	50	60	.75
0066 w/sw	50	100	1.00
8852-L20	50	600	.75

201FK150	100	15	1.50
237	150	15	2.95
510KK	150	5	2.95
W1525	150	25	2.95
W1501	150	1	2.95
5683	150	750	2.95
6938	150	3	2.95
351KK	150	350	2.95
63301	300	125	3.95
1261	300	2	3.95

PLEASE GIVE SECOND CHOICE.

CRYSTALS

100 KC CRYSTAL FOR APN-9 LORAN SET. CR-15/U HOLDER OR EQUIVALENT, 3 PRONG 1/2 x 1. PRICE: \$4.95

VARIOUS CRYSTALS IN STOCK FOR TCS REC OR TRANS. SPECIFY FREQ. \$1.50 EACH.

1000 KC CRYSTAL FOR BC-221 \$6.95

465 KC CRYSTAL, RESONATOR TYPE FILTER AS USED IN BC-794, BC-1004 ETC. \$1.50

200 KC CRYSTAL IN OCTAL TYPE TUBE HOLDER \$3.50

CRYSTALS: FT-241-243 21-39 Mc. F/BC-604-684-620-659 NO CHOICE FREQ. 5 FOR \$1.00

IN-21A CRYSTAL DIODE \$.25 EACH 5 FOR \$1.00

CRYSTAL OVEN 110 V. 60-1000 CYC. FOR HC-6/U, CR-26/U ETC CRYSTALS, WELL FILTERED, OCTAL BASE MOUNTING WITH 254. 72 CRYSTAL. 1x4x1 1/2; WT: 1 OZ. #HUG 945550-1 \$1.95

BK-27 TELETYPE RELAYS IN METAL BX CONTAINING 2 QUICK ACTING RELAYS, 115 VDC, 2150 OHMS 1/SPDT & 1/SPS; ADJUSTABLE FROM OUTSIDE BX. PLUG-IN SIZE: 6x3x3 3/8; 4LBS. \$1.50

CIRCUIT BREAKER

115 VOLT 60 CYC 3H900-1.5.1 1 AMP \$1.50
3H900-1.25 1 1.00
62349M6 3 POLE 1 2.50
3H900-3-2 3 1.00
HEINEMANN CAT#AM2511M6 CON. AMPS. 3.75, VOLTS 230 AC, CURVE 3 HP. RIGHT AND LEFT RESET, KNOB FOR DUAL USE. RE-MOVE EQUIP. \$1 EA.
24-30 VOLTS 5 AMPS \$.50
3H913-5 10 " .50
3751K4 35 " .75
AN1513F35 50 " .75
AN 3160-50L 50 " .75
* LUMINOUS TIP
AIRCRAFT TYPE CIRCUIT BREAKER
5 AMP AN 3161-P5 \$.50
10 " AN 3161-P10 .75
15 " AN 3161-P15 .75

METAL STAND W/RUBBER FEET BASE 8x11x3 LEGS 13x13x16 2 1/2" HIGH. ORIGINALLY USED AS RECORD HOLDER STAND, CAN BE USED AS BOOK, FLOWER, TV, RADIO OR WHATEVER YOU CAN USE IT FOR. WT: 4LB. 75¢

SWIVEL BASE AS USED ON THE BOTTOM OF TV SETS, 5" SQUARE, HAS 2 TURN STOP THAT CAN BE REMOVED FOR 360 DEG. ROTATION. 2LBS. 75¢

CURRENT TRANSFORMER FOR USE WITH AC AMMETER, MOLDED TOROIDAL CONST 200/115 V 400 CPS CURRENT RATING 500: 0.65 AMPS. 2x2x2x3 IN. 4 OZ, # 7499 \$.75
SIMILAR TO ABOVE OPEN TOROIDAL. RATING 250: 2 AMPS 400 CPS. WEST. TYPE AVT-15A 3x3x1, 8 OZ. \$.75

GENERAL ELECTRIC HEAVY DUTY MULTI-SWITCH FOUR CONTACT 3 POSITION & OFF. POS. 1 & 2, 2 & 3, AND 3 & 1 SIZE: 5x4x2 1/2; WT: 3 LBS. GE#168B1G1X4/SB-1 \$4.95

TERMINAL BOARD P/O BD-71 SWITCHBOARD. 15 BRASS SCREW TYPE BINDING POSTS ON INSULATING BOARD 3x16 3 LBS. \$1.50

ACCELEROMETER WITH DIAPHRAGM MOVEMENT WITH FLAG NEEDLE THAT CONTROLS THE AMOUNT OF LIGHT THAT APPEARS IN THE SLOTTED OPENING IN ACCORDANCE WITH THE VOLTAGE APPLIED TO THE METER MOVEMENT. SIZE: 2x3x1 1/2; WT: 1 LB MK-3 ACCELEROMETER \$1.50

RHEOSTAT CONTROL UNIT FOR HEATED CLOTHING; 100 WATT 5.75 OHM RHEOSTAT MOUNTED IN CONTROL BOX WITH INDICATOR KNOB ALSO ON/OFF SWITCH & DUAL LOCKING TYPE SOCKETS FOR INPUT AND CONTROLLED OUTPUT VOLTAGES. SIZE: 5x4x2; WT: 3 LBS. TYPE Q-1C UNUSED \$2.95

SODECO RESET COUNTER 4 FIGURE 0-9999 COIL 24 VDC 69 MA. 10 IMPULSES PER-SEC. ELECTRIC RESET, MOUNTING 1-3/8x2-3/8 PLATE, 4 1/2" D. SHPG. WT: 1LB TYPE TCE-F4E PRICE: USED EX \$8.95

VOBBUATO MAKE A SWEEP SIGNAL GENERATOR WITH THIS VOICE-COIL DRIVEN CAPACITOR. THIS UNIT CONSISTS OF 10.5 OZ. ALNICO MAGNET DRIVING A THIN ALUMINUM PLATE CLOSER TO OR AWAY FROM THE STATIONARY CAPACITOR PLATES WITH LEADS TO 100 MMFD CAN BE OBTAINED SIZE 3x3x2; 1 1/2 LBS. #Y-101 AVAILABLE ONLY WITH CRACKED CERAMIC (NO EFFECT) \$2.95

SIGNAL LAMP SIGNAL LAMP 13 VOLT 6.6 A PISTOL GRIP, 9 FT. CORD, WITH RED, ORANGE, PURPLE & GREEN SNAP ON LENSES. GRIMES K-2 SHPG. 5LB \$4.95

MANUALS

ABBREVIATIONS H.M.I. HANDBOOK OF MAINTENANCE INSTRUCTIONS/O.I. OPERATING INSTRUCTIONS/N.S. NO SCHEMATICS/I.B. INSTRUCTION BOOK/W.S. WITH SCHEMATICS.

ARC-27/ARC-55 O.I./N.S.	\$3.00
ARC-44 I.B./W.S.	\$10.00
ARC-60 I.B./W.S.	8.50
ARN-12 I.B./W.S.	5.00
ARN-30 O.I./N.S.	3.00
ARN-59 O.I./N.S.	3.00
FRC-27/TRC-34 I.B./WS	8.50
W/R-394/T-416/PP-846 PP-804 AND C-845	
FRR-36 I.B./W.S.	8.50
W/R-394/PP-846	
GRC-3-8 I.B./W.S.	8.50
GRC-9 I.B./W.S.	8.50
GRC-19 I.B./W.S.	8.50
GRC-26 I.B./W.S.	8.50
GRR-5 I.B./W.S.	7.50
PRC-6 I.B./W.S.	7.50
PRC-8-9-10 I.B./W.S.	7.50
VRC-19 I.B./W.S.	8.50
W/R-394/T-278/DY-93	
98-100/PP-867-8-9	

RT-67-68-69 I.B./W.S.	\$5.00
RT-70 I.B./W.S.	5.00
R-108-109-110 " "	7.50
R-388 I.B./W.S.	10.00
R-390 I.B./W.S.	10.00
R-392 I.B./W.S.	10.00
R-394 I.B./W.S.	7.50
R-140 I.B./W.S.	7.50
R-257 I.B./W.S.	7.50
T-278 I.B./W.S.	7.50
T-368 I.B./W.S.	8.50
T-208-417 I.B./W.S.	8.50
DY-93-98-100" "	3.00
ARC TYPE 12 RADIO SET COVERS R-10-11-15-19 T-11-13 & ACCESSORIES SIMILAR R-508-509-R-22 AND OTHERS. H.M.I./W.S. CV-431/R-508 ARC-60 R-13B/R-10A ARN-30	8.50

ANTENNA CHANGE-OVER RELAY 6 V.D.C. SWITCHES BDN TO SUB-MINIATURE COAX. SPDT. 2x1x1x1; 4 OZ. #3360-51125-1125 \$2.95

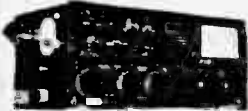
ARC-12 ANTENNA CHANGEOVER RELAY BNC CONNECTORS FOR EQUIP. UG-23-UG-21 F/ANT. REGULAR & AUX ANT. CONN. 24 VDC RELAY. W/BNC CABLES. \$2.75
UG-21 ANTENNA CONN. \$.75

ANTENNA CHARGE-OVER S.P.D.T FOR COAXIAL CABLE 28 VDC ROTARY ACTUATOR WAFER, LOW-LOSS HIGH-POWER. GENERAL COMM #2LN180RC-1 NEW \$3.95

SIZE: 4x3x2 1/2; WT: 1LB. TYPE "LN" CONN. CUT-OFFS 50% AN CONN. 7 CONTACT \$1.00

HYDROPHONE UNIT MAGNETOSTRICTIVE ION TYPE 20 KC RESONANT FREQ. THIS A STANDARD SECTION OF A COMPLETE ASSY. AS USED IN AN/SQS-10 SONAR. SIZE: 3x5x1 1/2; WT: 3LBS. #875446/Y901 \$5.95

FIRE DETECTOR PHOTOELECTRIC RESISTANCE TYPE 1.5 MEG. MAX DECREASES WITH INTENSITY OF LIGHT. #6340-651-6213 SIZE 1x3 \$2.95



ART-13 TRANSMITTER

100 WATT AIRCRAFT AUTOTUNE TRANSMITTER

MAKES A VERY SATISFACTORY AMATEUR UNIT FOR 80, 40, 20 AND 10 METERS. THE AUTOTUNE FEATURE PERMITS YOU TO PRESET THE FREQUENCY DESIRED ON ANY 10 PRESELECTED CHANNELS. (FOR CONVERSION INSTRUCTIONS SEE MANUALS #2 & #3 \$3.00 EA. TUBE LINEUP 1/837, 1/813, 2/1625, 1/12S7, 2/6V6, 2/811, 2/12SL7, 1/12SA7. VOLTAGE REQUIRED 28VDC 10AMP, 400VDC, 225MA & 1250VDC 250MA. SIZE: 23x16x11 1/2 WT. 70LBS

PRICE: USED \$49.50
CONNECTOR PLUGS FOR TRANS. U/7 & U/8 \$2.50 EA. DYNAMOTOR FOR ART-13 WITH FILTERS & RELAYS 28VDC INPUT. PRICE: USED \$12.95 NEW

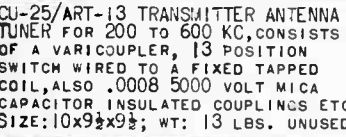
CONNECTOR PLUGS FOR DYNAMOTOR U-9 OR U-10 EACH \$2.50

CU-24/ART-13 ANTENNA SHUNT CAPACITOR CONSISTS OF 3 CAPACITORS 25MUF 10KV PRICE USED \$1.00

O-17/ART-13 LOW FREQUENCY OSCILLATOR PLUGS INTO THE FRONT OF THE TRANSMITTER AND COVERS THE FREQ. RANGE OF 200 TO 600 KC IN 3 BANDS WITH VFO AND CRYSTAL CONTROL ON THREE PRESELECTED FREQ. COMPLETE WITH ONE 1625 TUBE. ALL OPERATING VOLTAGES ARE OBTAINED FROM THE TRANS. POWER SUPPLY. SIZE 5 1/2x5x9; WT4LBS. USED \$5.95 UNUSED \$7.95



SA-22/ART-13 ANTENNA SWITCHING UNIT CONTAINS A BENDIX VACUUM RELAY LM-26G, 24VDC, 2 POSITION CERAMIC SWITCH & 4 LARGE INSULATORS SAME AS USED ON TRANSMITTER, ALSO SO-239 COAX. CONNECTOR. SIZE: 11x7x7 WT10LBS PRICE: NEW \$4.95



CU-25/ART-13 TRANSMITTER ANTENNA TUNER FOR 200 TO 600 KC, CONSISTS OF A VARIACOUPLER, 13 POSITION SWITCH WIRED TO FIXED TAPPED COIL, ALSO .0008 5000 VOLT MICA CAPACITOR INSULATED COUPLINGS ETC. SIZE: 10x9 1/2x9 1/2; WT: 13 LBS. UNUSED \$4.95



ART-13 AUDIO SPEECH AMPLIFIER CONTAINS TWO 6V6GT & ONE 12SJ7 TUBES, CAN BE USED FOR CARBON OR DYNAMIC MIC. SIZE: 7x4x3 1/2; WT: 4LBS, USED STK#2C254 PRICE \$5.95

AM-447 AUDIO AMPLIFIER



AM-447 AUDIO FREQUENCY AMPLIFIER, VOLUME LIMITING TYPE, INSURES UNIFORM OUTPUT UNDER CONDITIONS WHERE THE RECEIVED SIGNAL LEVEL MAY VARY IN AMPLITUDE, ELIMINATING THE NEED FOR CONSTANTLY READJUSTING THE OUTPUT LEVEL. IT IS INTENDED TO BE USED RECEIVING EQUIPMENT, LINE AMPLIFIER OR

AMPLIFY THE OUTPUT OF A MICROPHONE FOR MODULATING TRANSMITTING EQUIPMENT. INPUT IMPEDANCE 600 OHMS, OUTPUT IMPEDANCE 200 AND 600 OHMS, AUDIO INPUT: -10 DBM TO -10 DBM, FREQ. RESPONSE FLAT WITHIN 2 DB FROM 300 TO 3500 CPS.. GAIN: 34.8 DBM MAX. AUDIO OUTPUT 3 WATT HAS INPUT, OUTPUT AND PHONE JACKS ALSO VOLUME CONTROLS. WITH TUBES
POWER REQUIRED 115 VOLT 50/60 CYCLE.
SIZE: 7x12x14; (NO COVER WITH UNIT) WT: 23 LBS
PRICES: USED SERVICEABLE \$8.95 TWO FOR \$15.00

HYDROPHONE



HYDROPHONE TRANSDUCER MICROPHONE
ROCHELLE SALT TYPE USED TO PICK-UP UNDERWATER SOUNDS IN THE FREQUENCY RANGE OF 1 TO 20,000 CYCLES. AVERAGE IMPEDANCE 25 OHMS UP TO 400 FT. WITH TRANSFORMER HOUSED IN RUBBER WATERPROOF JACKET FILLED WITH DIL & 9 FT. RUBBER CONNECTING CABLE. SIZE: 5 1/2x3 1/2; WT: 21 LBS. (NOT MAILABLE)
SONAR #NT-51038F PRICE: NEW \$19.95

TUNED CAVITY

FR-72 TUNED CAVITY PORTABLE RINGING CAVITY USED FOR TESTING THE OVERALL PERFORMANCE OF RADAR EQUIPMENT SUCH AS POWER OUTPUT & FREQUENCY SPECTRUM. THE ECHO BOX CONTAINS A PRECISE-DIMENSIONED, SILVER PLATED RESONANT CAVITY THAT OPERATES AS A SHARPLY TUNED CIRCUIT IN WHICH INDUCTANCE AND CAPACITANCE ARE TUNED TO RESONANCE AT THE FREQ. BEING MEASURED. FREQ. RANGE 8500 TO 9000 MEGACYCLES. A 3 1/2" 0-20 MICROAMP. METER IS USED TO INDICATE PART OF THE STORED ENERGY. POWER IS OBTAINED FROM THE UNIT UNDER TEST. SUPPLIED WITH 1N-238 CRYSTAL DIODE, UG-446/U ADAPTER AND 8 FT. COAXIAL CABLE. SIZE: 16x26x14; WT: 45 LBS. UNUSED \$19.95



TS-62 ECHO BOX & CAVITY PORTABLE SELF-CONTAINED MANUALLY TUNED TEST SET USED FOR CHECKING RADAR EQUIPMENT IN THE 9320-9420 MC. RANGE. IT WILL DETERMINE THE FREQ. OF CW, MCW OR PULSED SIGNALS, MEASURE RELATIVE OUTPUT ON A 0-20 3 1/2 MICRAMP METER, DETECT DOUBLE MODING OF MAGNETRONS AND GIVES SIGNAL TO NOISE RATIO OF REC. ANTENNA PICK-UP ASSY WITH CABLE IS PROVIDED. SIZE: 6 1/2x18 1/2x 15 LBS. PRICE: USED \$9.95

RADIO TELEPHONE LINK



AN/TRC-47 RADIO SET IS PRIMARILY USED AS PART OF A 3 MILE SINGLE CHANNEL RADIO LINK IN A TWO WIRE TELEPHONY SYSTEM. A CONVERTER IS USED TO CONNECT THE TWO SYSTEMS. THE UNIT IS SINGLE CHANNEL AM CRYSTAL CONTROL FOR USE IN THE 132 TO 150 MC BAND AND REQUIRES 115 OR 230 VOL 50 TO 400 CYCLE FOR OPERATION. THE TRANSMITTER OUTPUT IS 7 WATTS AND COMES WITH TUBES 1 EA. 2E26, 5763, 5R4, 6AK6, 0A2 12AX7, 2 EA. 12AU7 & 6L6, TUNING METER & METER ING SW....RECEIVER HAS SPEAKER AND TUBES 1 EA. 12AT7, 6AQ5, 12AX7, 6AX5, 2 EA. 6BA6, 6J6, 0B2 & 4/6AK5...THE CONVERTER IS A COMBINED RINGING SIGNAL CONVERTER AND ELECTRONIC HYBRID NETWORK. IT CONVERTERS A 20 CYCLE SIGNAL TO A 800 CYCLE AND 800 CYCLE FROM THE REC TO 20 CYCLE SO THE SIGNALS CAN BE TRANSMITTED AND ADAPTES TO TWO AND FOUR WIRE TEL. SYSTEMS. WITH TUBES 3 EA. 12AT7, 1 EA. 6AS6, 6AK6, 0B2, 2/0A2 & 3/6X4.
CABINET SIZE 21 1/2x14 1/2x22 1/2; SHPG. WT: 100 LBS.
PRICES: USED SERVICEABLE \$59.50



R.F. OSCILLATOR, PART OF GKA-1 EQUIPMENT. CONTAIN SEVERAL TYPES OF BAND PASS FILTERS, VARIABLE CAPACITOR, TUBE SOCKETS, PIN JACKS, RESISTORS 1% PILOT LIGHTS, SWITCH, POTS 2/UG-88 COAX. CONNECTORS ETC. OSC. FREQ APPROX. 24 KC. SIZE: 12x12x4 1/2; 13 LBS. RE-MOVED \$1.95

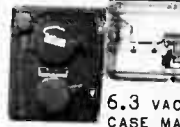


VISUAL FLASH LAMP USED BY AIRCRAFT OR GROUND UNITS FOR IDENTIFICATION PURPOSES. GIVES A EXTREMELY BRIGHT FLASH OF LIGHT THAT CAN BE SEEN BY AIR IN BRIGHT SUN 3 MILES OR 1 MILE ON THE GROUND. AVAILABLE FOR 12 OR 24 VOLT D.C. OPERATION. CONSISTS OF A HIGH VOLTAGE CONVERTER USING A VIBRATOR TYPE POWER SUPPLY WITH 2 CAPACITORS 25 MFD 2000 VDC, INT. DUTY, 2/12X3 TUBES ONE SYLVANIA FLSH LAMP #1073 WITH HOLDER & 20 FT. CABLE, 15 FOOT BATTERY CABLE 2 COND. #10 ETC. FLASH RATE ONE PER 1 1/2 SECONDS. SIZE: 17x10 1/2x4 1/2; WT: 50 LBS. W/MANUAL PRICE: UNUSED CHECKED \$23.95
SYLVANIA FLASH LAMP WITH PORTABLE HOLDER & LAMP SOCKET, SWITCH, IGNITION COIL AND 20 FT. 4 COND. CABLE. (COIL NOT GUARANTEED) \$10.00



APR-4 RECEIVER

R-444/APR-4Y RECEIVER AND CV-253/ALR TUNING UNIT FOUR BAND TO COVER THE FREQUENCY OF 38 TO 1000 MC. USED IN AIRCRAFT AS SEARCH EQUIP. TO DETECT ELECTROMAGNETIC RADIATION, THE FREQ. OF SIGNALS, RELATIVE FIELD STRENGTH AND AUDIO OUTPUT. SELECTOR PERMITS CHOICE OF AM NARROW/WID OR FM. ALSO IF ATTN. SELECTOR, MET. SW. RANGE SELECTOR, SWEEP CONTROL & TUNING KNOB. METER 2 1/2" FOR TUNING. ORIGINALLY DESIGNED FOR 115 V 400 CYCLE POWER SOURCE UNITS ARE AVAILABLE FOR 115 VOLT 60 CYCLE. ALSO REQUIRED IS 24 VDC FOR PILOT LIGHTS AND SCANNING MOTOR WHEN TUNING UNITS WITH MOTORS ARE USED. REC. USED SIZE: 8x10 1/2x12 1/2; WT: REC. ONLY 33 LBS. TO 20LBS
PRICE: REC. ONLY \$95.00 WITH CV-253 TU \$250.00
CV-253 CONVERTER 38-1000 MC NEW 175.00
ANY OF THE TUNING UNITS LISTED BELOW CAN BE USED WITH THE R-444/APR-4Y OR R-54/APR-4
WE WILL SHIP WHICHEVER RECEIVER IS AVAILABLE.
R-54/APR-4 RECEIVER SAME AS ABOVE ONLY DIFF. POWER REQ. 115 VOLT 60 TO 2600 CYCLE & 24 VDC SAME PRICE AND TUNING UNITS CAN BE USED.



CONVERTER TUNING UNITS FOR USE WITH 30 MC. I.F. NO POWER SUPPLIES REQUIRE 300 VDC, 6.3 VAC OR 24 VDC WHICHEVER CASE MAY BE. SIZE: 9x7x15; 25 LBS. AV

TN-16/APR-4 TUNING UNIT	38- 95 MC	\$25.00
TN-17/ " " " "	NOT AVAILABLE	
TN-18/ " " " "	300-1000 "	45.00
TN-19/ " " " "	975-2200 "	39.95
TN-54/ " " " "	2150-4000 "	75.00
CV-253 " " " "	38-1000 "	125.00

TN-1/APR-1 " " " "	38- 95 "	25.00
TN-3/APR-1 " " " "	300-1000 "	35.00

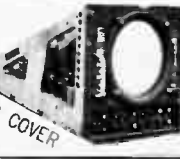
POWER PLUG TO FIT SETS \$1.50 SHOCKMOUNT 2.50

AM-914/TRC CONVERTER AMPLIFIER, 225 TO 400 MC TUNEABLE OVER THE RANGE WITH DIAL INDICATION, CONSISTS OF 2 STAGES OF CASCADE RF AMPLIFICATION, A MIXER LOCAL OSCILLATOR AND BUFFER AMPLIFIER. OUTPUT FREQ. 30 MC. WITH TUBES 4/6J4 & 1/5670. VOLTAGES REQUIRED 150 VDC AND 6.3 VOLTS. PLUG IN UNIT USED WITH R-417 RECEIVER. SIZE: 7 1/2x6 1/2x9 1/2; WT: 10 LBS. USED \$34.95



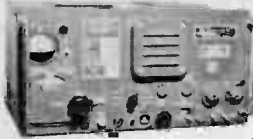
CV-431/AR CONVERTER THIS TRANSVERTER IS A COMBINED TRANSMITTER AND RECEIVER CONVERTER. THE TRANSMITTER PORTION FUNCTIONS AS A INDEPENDENT TRANSMITTER ON A FREQUENCY RANGE OF 228 TO 258 MC; IT DOES NOT REQUIRE THE USE OF ANY

VHF COMPONENT FOR TRANSMISSION. THE CONVERTER SECTION CONVERTS RECEIVED SIGNALS IN THE RANGE OF 228-258 MC TO 118-148 MC AFTER MIXING WITH A 110 MC CRYSTAL OSCILLATOR AND REQUIRES THE USE OF A VHF RECEIVER FOR RECEPTION. HIGH VOLTAGE FOR THE TRANSVERTER IS SUPPLIED BY THE DYNAMOTOR WHICH IS MOUNTED ON THE RECEIVER AND HAS A OUTPUT OF 250 VDC 60 MA. THE TRANSMITTER IS 8 CHANNEL CRYSTAL CONTROLLED, VOICE AM CIRCUIT DESIGNED FOR AIRCRAFT TO GROUND COMMUNICATION AND USES 4/5763, 1/6201 AND 1/5763 TUBES. POWER OUTPUT 0.5 WATT AT AN ALTITUDE OF 5000 FT. WITH A RANGE OF APPROX. 60 AIR MILES. THE CONVERTER SECTION USES 1/6201 TUBE AND MIXES THE INCOMING SIGNAL WITH THE 110 MC. OSC. AND CONVERTED TO 118-148 MC SIGNAL WHICH CAN BE PICKED UP BY ANY RECEIVER IN THE BAND. SIZE: 5 1/2x11 1/2x4 1/2; WT: 9 LBS. PRICE: USED SERVICEABLE WITH TUBES \$7.95



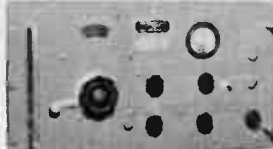
IP-53/CPS-6 RADAR HEIGHT INDICATOR WITH 12DP7AC.R. TUBE ALSO 6/807, 13/6SN7, 5/6AC7, 1/6AG7, 1/6SJ7, AND 1/VR-150. NO POWER SUPPLY WITH THIS UNIT. SIZE: 20x18x31; WT: 125 LB. PRICE: USED \$22.95

U. H. F. RECEIVER



R-48/TRC-8 RECEIVER
M. 230 TO 250 MC.
ONE BAND VARIABLE
TUNING, VOLTAGE RE-
QUIRED 115/230 60 CYC.
WITH SPEAKER, PHONE
JACK, SQUELCH CIRCUIT
2 1/2" METER FOR CIRCUIT
CHECKING. WITH TUBES 8/6AG7, 1/9002, 1/5U4, 1/
6V6, 1/VR-150, 1/6N7, 1/6SN7, 1/6AL7. SIZE: 20x
19x16; WT: 75 LBS. USED \$34.95

VHF RECEIVER



BC-639 RECEIVER AM
100 TO 156 MC CONT-
INUOUS TUNING OVER
THE ENTIRE RANGE.
CONTROLS FOR CW,
TONE, AVC-MANUAL,
R.F., AUDIO GAIN,
ATTENUATION, SENSIT-
IVITY ETC. TUNING
METER, PHONE JACKS ETC. WITH TUBES 1/6SC7, 1/
6K6, 4/6SG7, 1/9002 & 3/9003.

SEPARATE RA-42 POWER SUPPLY THAT SUPPLIES ALL
THE REQUIRED VOLTAGES AND OPERATES FROM 115/
230 VOLT 60 CYC. BOTH UNITS ARE DESIGNED FOR
19" RACK MOUNTING. REC. 10 1/2" HIGH, P.S. 7" H.
SHPG. WT: 75 LBS.
PRICE: USED SERVICEABLE \$60.00 CHECKED \$75.00



THIS IS ONE OF THE BEST
RECEIVERS THE ARMY HAS
USED FOR MANY YEARS. THEY
ARE HIGHLY SELECTIVE AND
SENSITIVE FOR USE IN THE
1,500 TO 18,000 KC RANGE
IN SIX BANDS WITH BFO,
CRYSTAL PHASING, MVC, AVC
FAST AND SLOW TUNING,
LARGE ILLUM. DIAL, CW-
OSC. CONT., REC-SEND SW.,
VOL. CONT., MIC. JK,
SPEAKER & PHONE JK,
ALIGN-ANT. CONT., 470 KC
I.F., WITH TUBES 2/6C5, 4/6K7,
1 EA. 6F6, 6L7, 6R7

THIS REC. IS SAME AS BC-312 ONLY LATER VERSIO
SIZE: 18x9x9; WT: 60 LBS.
R-336 REC. w/RA-20 115 V. 60 CYCLE POWER SUPP.
USED SERVICEABLE \$65.00 USED CHECKED \$84.95
OA-65 REC. w/RA-20 115 V. 60 CYC P.S. 2 CAN BE
USED TO MAKE A DUAL DIVERSITY IN CONJUNCTION
WITH O-59 OSCILLATOR-AMPLIFIER.
USED SERVICEABLE \$75.00 USED CHECKED \$89.95
O-59 OSCILLATOR-AMPLIFIER USED SERVICEABLE \$10
RA-20B POWER SUPPLY 115V60C SERVICEABLE \$20.
DM-21 DYNAMOTOR 12 VDC USED " \$10.
FT-162 SHOCKMOUNTING UNUSED \$2.95
PL-114 PLUG & CABLE F/REMOTE USE \$2.75

FM TRANSMITTER 70-100 MC



T-14/TRC-1 TRANSMITTER
F.M. 70 TO 100 MC 40 W.
115/230 V 60 CYCLE IN-
PUT. WITH TUBES 1/829,
4/6V6, 1/6SL7, 1/6SN7, 2/
6AC7, 1/816 & 5R4.
PHASE SHIFT MODULATION
-30 KC., 2 1/2" METER FOR
MEASURING THE VOLTAGES
OF THE DIFFERENT STAGES

CRYSTAL CONTROL ON ONE CHANNEL IN THE RANGE.
SIZE: 16 1/2 x 10 x 12; WT: SHPG. 100 LBS.
PRICE: GOVT RE-COND. \$49.50
AM-8/TRA-1 POWER AMPLIFIER SHOWN ON PAGE 1
OF THIS CATALOG CAN BE USED TO BOOST THE POWER
200 WATTS USED \$1.95 RE-COND \$24.95

U. H. F. RECEIVER



R-278 RECEIVER 225-399.9
MC, AM, CRYSTAL FREQ. CON-
TROL 1750 CHANNELS 0.1 MC
INTERVALS, 10 PRESET CHAN-
NELS, AUDIO FREQ. RESPON-
SE WIDE 200 TO 20,000 CYCLES
NARROW 200 TO 5000 CYCLES
AVC, SQUELCH, AIR COOLED,
POWER REQ. 115/230 V. 50-
60 CYCLE. UNITIZED CHASSIS, RACK MTG.
SIZE: 19x12 1/2 x 20; WT: 115 LBS. USED SERVICEABLE
PRICE: R-278 WITH 238 TO 248 GUARD CHANNEL
44 TUBES \$175.00
R-278B NO GUARD CHAN. 30 TUBES \$150.00

POWER AMPLIFIER



AM-8/TRA-1 POWER AMPLIFIER
FOR 70-100 MC F.M. 200 WATT
WITH A RF INPUT OF 25 WATT
(APPROX.) IMPEDANCE 70 OHM
USES 2/4E27 TUBES IN CLASS
"C" PUSH-PULL TUNED PLATE
CIRCUIT AND 3/OD3 V.R TUBE
THE FILAMENT TRANSFORMER
5 V. CT 15 A. IS SUPPLIED

IN THE UNIT, -100 VDC, 450 VDC @ 40 MA AND
2000 VDC 250 MA ARE ALSO REQUIRED BUT ARE NOT
IN THE UNIT. A 115 V. 60 CYCLE BLOWER IS ALSO
IN THE EQUIP. VAR. CAP. DUAL 5-50 & 7-35 MMF
SIZE: 16x10 1/2 x 12; WT: 55 LBS. IN CHEST 100 LBS
PRICE: LESS 4E27 TUBES, U \$18.50 RE-NEW \$24.50
WITH TWO (2) 4E27 TUBES \$10.00 EXTRA

CONTROL MONITOR



C-1151/TC CONTROL
MONITOR WITH SUB-
CYCLE RINGER WITH
TELEPHONE HANDSET.
USED WITH TCC-13
MULTIPLEXER, AUDIO
FREQ. INPUT 1000 CY
SINE-WAVE, AURAL
MONITORING.

75 -- 110 VOLT 7.5 WATTS, 16-2/3 AND 20 CYCLE
FOR LINE RINGING. POWER REQ. FOR OPERATION OF
UNIT AND TELEPHONE SYSTEM 115 V. 50/60 CYCLE.
PUSH BUTTON SWITCHES FOR REC-SEND-TEL-MANUAL
OPERATION. TWO OR MORE UNITS CAN BE USED TO-
GETHER FOR SINGLE CIRCUIT TELEPHONE OPERATION
RACK MTG. 19x10 1/2 x 23 1/2; WT: 60 LBS.
PRICE: USED SERVICEABLE EXCELLENT \$35.00

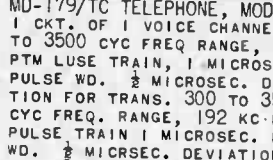
TRANSMITTER



RCA ET-8019-A RADIOTELEGRAPH
TRANSMITTER SRT-4A AM-CW-MCW
2000 TO 22,140 KC IN FOUR BANDS,
200 WATTS, CRYSTAL OR MASTER OSC
ILLATOR CONTROL. WITH TUBES 1/
807 osc. STAGE, 1/807 BUFFER AMP.
AND 2/813 IN POWER AMPLIFIER.
METERS (3 1/2") READ FIL. VOLTS,
GRID CURR. PLATE CURR. LARGE 3 1/2"
OSCILLATOR TUNING DIAL, PLUS ALL
THE CONTROLS YOU NEED FOR A GOOD
TRANSMITTER. POWER REQUIRED 1200
VOLTS DC @ 500 MA. PLUS VOLTAGES
REQ. FOR TUBE FILAMENTS.
TRANSMITTER SIZE WITH SHOCK MTG.
39" HIGH X 14 1/2" WIDE X 19 1/2" DEEP.
ACTUAL WEIGHT 135 LBS. SHPG 334 LB
PRICE: RE-NEW ORIG. BOX \$89.50
MANUAL 8.50

\$89.50

TELEPHONE MODEM



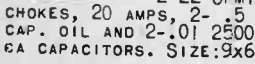
MD-179/TC TELEPHONE, MODEM;
1 CKT. OF 1 VOICE CHANNEL 300
TO 3500 CYC FREQ RANGE, 8 KC
PTM LUSE TRAIN, 1 MICROSEC.
PULSE WD. 1/2 MICROSEC. DEVIAT-
ION FOR TRANS. 300 TO 3500
CYC FREQ. RANGE, 192 KC-PTM
PULSE TRAIN 1 MICROSEC. PULSE
WD. 1/2 MICROSEC. DEVIATION FOR
REC. 2 OR WIRE OPER. WITH TUBES
12AT7 AUDIO AMPL & PPM MOD.
12AT7 GATE GEN. PWM CONV. 12AT7
CLIPPER AMP. AUDIO AMPL. 12AT7 CLIPPER SHAP-
ER & MIXER, 12AT7 D-C AMPL. & RINGING RELAY
CONTROL. VOLTAGE REQUIRED 250 VDC AND 6.3 V.
WITH 4 POS. TEST SW.; AUDIO GAIN AND DELAY
PULSE POS. CONT. AND PPM AND PPM TEST JACKS.
ALSO 18 CONTACT CONTINENTAL CHASSIS BOARD AND
MATCHING PLUG. P/O TCC-13 MULTIPLEXER SYSTEM
SIZE: 8 1/2 x 2 1/2 x 16; WT: 10 LB. EX-COND. \$4.95



C-1192/SRT-4A CONTROL UNIT
FOR 115 VDC GENERATOR.
CONTAINS 3 INCH SQUARE METER
1.5 KILOVOLT D.C. SCALE.
DUAL RHEOSTAT 150 WATT EACH,
378 OHMS AND 585 OHMS, HEAVY
DUTY START-STOP SWITCH, 3/4
AMP. 3000 VOLT FUSE AND 12
POSITION TERMINAL STRIP IN A
METAL BOX HINGED SIZE 10 1/2 x 12 1/2
x 6 1/2; WT: 10 LBS. NEW \$10.00



SA-306/SRT-3A STARTER-MOTOR
GE-MAGNETIC CONTROLLER DC 115 V
CR 4052-Y1, CAT#6934846G11
WITH THERMAL HEATER CUTOUT,
81D254, 11.1-11.8 AMPS. NEW
SIZE: 7x9x7; WT: 12 LBS. \$9.95



F-198/SRT-3A
ELECTRICAL NOISE
SUPPRESSOR WITH
2-22 OHM IFE RF
CHOKES, 20 AMPS, 2- .5 1000 V
CAP. OIL AND 2-.01 2500 V MI-
CA CAPACITORS. SIZE: 9x6x3 1/2; 5 LBS. NEW 4.95



ID 169/APN-12 INDICATOR
OSCILLOSCOPE; USED TO
DETERMINE RANGE OF RADAR
NAVIGATIONAL BEACON
EQUIPMENT WHEN USED WITH
RADAR REC-TRANS UNITS
FOR WHICH IT WAS DESIGN-
ED. HAS VERTICAL, FOCUS,
SWEEP, INTENSITY CONT-
ROLS ON FRONT PANEL.

MOTORIZED COAXIAL SWITCHING UNIT FOR ANTENNAS
WITH TUBES 1/3BP1, 2/6H6, 2/6SN7, 1/6G6, 1/6X5, 1/
2X2. POWER REQUIRED 115 VOLT 400 CYCLE AND 24
VOLTS DC. (TRANSFORMER OUTPUT VOLTAGE APPROX.
425 VOLTS.) SCHEMATIC ONLY \$1
SIZE: 10x8x22; WT: 30 LBS. GOVT RE-COND \$14.95

OUTDOOR TELEPHONE

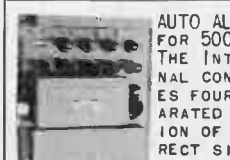


TA-105/FTC TELEPHONE
WALL TYPE SELF CON-
TAINED, COMMON BATT.
TYPE THAT CAN BE CON-
VERTED TO DIAL OPER-
ATION BY THE ADDIT-
ION OF A DIAL.
UNIT IS CONTAINED IN
WATERPROOF CAST-IRON
HOUSING AND IS INTEN-
DED FOR USE OUTDOORS
AND IN AREAS OF HEAVY USAGE.
SIZE: 12 1/2 x 9 1/2 x 8 1/2; WT: 35 LBS. \$12.95

CONTROL TRANS. TELETYPE



C-292/TRA-7 CONTROL
TRANSMITTER AND
TELETYPEWRITER; WHEN
USED IN RADIOTELETYPE
SYSTEM IT PROVIDES
FACILITIES FOR ESTABL-
ISHING FULL DUPLEX,
ONE-WAY REVERSIBLE,
EMERGENCY CW, OR FREQUENCY-SHIFT TRANSMISSION
OR RECEPTION. IT IS A REPEATER OF POLAR AND
NEUTRAL RTTY SIG. AND CONVERTS POLAR SIG. REC
FROM DUAL DEVERSTY CONVERTER INTO NEUTRAL TO
OPER. A REC. TELETYPEWRITER. IT ALSO TRANSLAT-
ES NEUTRAL SIG. FROM A SENDING UNIT INTO POL-
AR SIG. FOR TRANS. OVER A WIRE LINE TO CONTROL
A FREQ. SHIFT EXCITER. WITH 16 TUBES.
POWER REQUIRED 115 VOLT 60 CYCLE.
SIZE: CHASSIS ONLY RACK MTG. 10 1/2 x 19 x 13. 60 LBS
PRICES: CHASSIS ONLY RACK MTG. USED \$19.95
WITH CABINET 21 1/2 x 12 1/2 x 17 1/2 (100 LB) \$27.50
" " 19 1/2 x 10 1/2 x 13 1/2 (90 LB) \$24.75



AUTO ALARM RECEIVER AR-8600X
FOR 500 KC DISTRESS FREQUENCY.
THE INTERNATIONAL AUTO ALARM SIG-
NAL CONSISTS OF A SERIES OF DASH-
ES FOUR SECONDS IN LENGTH, SEPA-
RATED BY SPACES HAVING A DURAT-
ION OF ONE SECOND. WHEN THE COR-
RECT SIGNAL IS RECEIVED IT WILL
ACTUATE THE WARNING BELL.
THIS RECEIVER-SELECTOR WAS DESIG-
NEED FOR SHIPBOARD USE AND RE-
QUIRES 115 VDC 1.5 AMPS. FOR THE
BELL AND RELAY, MAX. 3 AMP. WITH TUBES
2/6K7, 1/6H6, 1/6A8 & 5/1611 w/ALARM BELL
SIZE: 26x14x11; SHPG. WT: 100 LBS. MANUAL \$7.50
PRICES: SERVICEABLE; USED \$50.00 UNUSED \$75.00

AF/URG-60 RECEIVER
100 TO 156 MC AM
CRYSTAL CONTROL ONE
CHANNEL, AVC, SQUELCH
AND NOISE LIMITER
CIRCUITS, 115 VOLT 25-60 CYCLE WITH TUBES
4/6AK5, 4/6SG7, 2/6H6, 2/6SJ7, 1/6F6 & 1/5Y3GT.
OUTPUT PHONE AND LINE JACKS, RF AND VOLUME CON-
TROLS, PILOT LIGHT, SWITCHES ETC.
RACK PANEL MTG. 19x5x15; WT: 50 LBS.
PRICES; USED \$39.50 CHECKED FOR OPERATION \$45

MOTOROLA
T-193 TRANSMITTER 30-40
MC, F.M. 30 WATT, CRYSTAL
CONTROL SINGLE CHANNEL,
6 VOLT DC DYNAMOTOR WITH
TUBES 4/7C7, 2/7AB, 1/6V6
& 1/807.
SIZE: 15x9x9; WT: 30 LBS.
PRICES: NEW \$14.95 USED \$9.95 NO TUBES \$5.55

MOTOROLA TRANSMITTER 152-172 MC FM USED \$14.95

10 MC - 28 MC

BC-499 RECEIVER F.M. 20-28
MC, 5 CHANNEL CRYSTAL CON-
TROL, FD 15 KC, WITH 11
TUBES 3/12SH7, 1/12SJ7, 2/
12H6, 2/12A6, 1/12SL7G7 &
2/12K8. WITH 14 VDC DYNA-
MOTOR OUTPUT 260 VDC 60
MA., AUDIO OUTPUT 500OHM
& SQUELCH CIRCUIT.
SIZE: 12x9x9; WT: 23 LBS.
PRICE: RE-NEW \$18.95
CONNECTOR PLUG TO FIT UNIT ... \$1.50

PHILCO
PHILCO TRANSMITTERS PRT150GT 154-172 MC. FM.
30 WATT, 6 VOLT DYNAMOTOR P.S.
CRYSTAL CONTROL SINGLE CHANNEL
TUBES, 2/3AA, 1/9003, 1/6B6, 2/
2E24, 1/6CA, & 1/2E30. USED CONO
SIZE: 15x10x8; WT: 35 LBS.
PRICE: W/TUBES, L/CRYS. \$14.95

PHILCO RECEIVER PRT72G 70-80 MC.F.M 6 VOLT
VIBRATOR POWER SUPPLY, CRYSTAL CONTROL
SQUELCH CIRCUIT, WITH TUBES 3/6B6, 3/6AK5,
2/6AQ6, 1/6CA, 1/7F7 & 1/7AB. USED LESS CRYST.
SIZE: 15x10x8; WT: 30 LBS. \$14.95

NAVY WALKIE TALKIE

**NAVY WALKIE TALKIE TRANSMITTER &
RECEIVER.** THIS EQUIPMENT IS CRYSTAL
CONTROLLED AND CAN BE OPERATED ON
ANY ONE CHANNEL IN THE FREQUENCY
RANGE OF 2.3 TO 4.5 MC. VOICE (A3)
COMMUNICATION ONLY, OUTPUT OF TRANS
IS 0.2 WATTS AND SATISFACTORY COMMUN-
ICATION BETWEEN UNITS OVER AVERAGE
TERRAIN SHOULD BE ABLE TO BE MAINTAINED
UP TO APPROX. (1) ONE MILE.
WITH TUBES 1/1R5, 1/1S5, 2/1T4, 3/35A. VOLTAGES
REQUIRED 67.5 vdc 3 MA; 135 vdc 4 MA; 1.5VDC
225 MA FOR REC. 67.5 vdc 1.5 MA; 135 vdc 19
MA; 1.5VDC 225 MA & -6VDC 30 MA FOR TRANSMIT.
UNIT COMES IN A WATERPROOF PLASTIC CASE WITH
SPACE FOR BATT. OR POWER SUPPLY. TELESCOPING
ANTENNA 8 FT. HAS SPEC. LOADING COIL.
COMPLETE WITH TUBES, ANTENNA, 2 CRYSTALS
FT-243 (NO CHOICE) HEADSET W/CANVAS BAND
CARBON MICROPHONE, CANVAS COVER,
& MANUAL. SIZE 8x8x2; WT: 8 LBS. **\$9.95**

**NAVY WALKIE-TALKIE DIRECTION
FINDING EQUIPMENT MODEL DAV**
SAME AS "MAB" DESCRIBED ABOVE
ONLY HAS A DIRECTION FINDING
LOOP CIRCUIT FOR HOMING AND IS
IN A WATERPROOF PLYWOOD CASE
WITH WEB STRAPS FOR CARRING ON
BACK OR FRONT. ALSO COMPLETE
WITH TUBES, HEADSET WITH CANVAS
BAND, LIP MICROPHONE, TELESCOPING,
ANTENNA & 2 CRYSTALS (NO CHOICE)
WITH MANUAL. SIZE: 14x10x8; 11LB
PRICE: UNUSED \$12.95

VIBRATOR POWER SUPPLY MAB & DAV
DESIGNED FOR USE WITH MAB & DAV
DESCRIBED ABOVE, OPERATES FROM 6 V
DC STORAGE BATTERY NT-6, THAT FITS
ON BOTTOM OF P.S. PACK, 6 V 4 AMP.
(CAN BE OPERATED FROM ANY 6 VDC 4 A.
SOURCE) SUPPLIES 1.5 VDC .3 A, -6 VDC
.02 A, 67.5 VDC .005 A, 135 VDC .02A.
ALSO USED WITH NAVY EQUIP. MU, MV,
MW & MX. SIZE: 6x3x12; WT: 2 LBS. NEW \$6.95

N-T-6 PLASTIC STORAGE BATTERY
FOR ABOVE POWER SUPPLY CRF-20221A
SUPPLIES 6 VOLTS DC 4 AMP.
SIZE: 3x2x2; WT: 2 LBS. DRY
CHARGE BATTERY. **\$3.95**

TRANSMITTER RECEIVER

R 53/TR-7 TRANSMITTER-RECEIVER
TO 56 MC AM VOICE, 1.5 WATT
CRYSTAL CONTROL ON TWO PRESELECTED
CHANNELS, 1 1/2" METER FOR CHECK-
ING OPERATION, MIC, PHONE AND
MONITOR JACKS ALSO VOL CONTROL
ON FRONT PANEL. WITH 16 TUBES
3/1AB5, 3/1L4, 1/1S5, 1/1LA3, 5/3A5,
1/3Q4, 2/3A4. VOLTAGES REQUIRED
90 VDC. 4 1/2 VDC AND 60 VDC.
SIZE: 12x5x13; WT: 15 LBS. USED \$24.95

LINK RECEIVER 30-50 MC FM
TYPE 11-UF-ED-6. CRYSTAL
CONTROL SINGLE CHANNEL,
DUAL CONVERSION, SQUELCH
CIRCUIT WITH TUBES 5/7AG7
2/7A6, 1/7C7, 1/7F7, 1/7B5 &
1/7F7. VOLTAGES REQUIRED
FOR FILAMENTS 6 VOLTS,
HIGH VOLTAGE 250 VDC 60MA.
SIZE: 12x13x9; WT: 22 LBS. PRICE: USED \$27.50
POWER & CONTROL PLUG \$1.00 ANTENNA PLUG \$1.00

115V 60 CYC & 6 VDC

LINK TYPE 5-FRX TRANSMITTER
RECEIVER: F.M. 30-40 MC
115 VOLT 50-60 CYCLE OR
6 VOLT DC. SINGLE CHAN-
NEL CRYSTAL CONTROL. SET
IS HOUSED IN METAL BOX
WITH SPEAKER, HANDSET, PILOT
LIGHT CONNECTOR AND SWITCH.
FOR 6 CR 115 V. OPERATION.
TRANSMITTER OUTPUT IS 3 WATT USING TUBES 1/
7F7, 1/7W7, 2/7C5, CRYSTAL FREQ. IS MULTIPLIED
32 TIMES FOR OPERATING FREQ.
RECEIVER SENSITIVITY 2 MICROVOLT OR BETTER.
WITH TUBES 2/6AC7, 2/6K8, 1/6V6, 1/6SH7, 1/6SJ7,
2/6H6, 1/6SL7 & 1/6K6. FREQ. DEVIATION - 15KC
CASE SIZE 21x9x15; WT: SHPG. 80 LBS.
RECEIVER CAN BE OPERATED WITHOUT TRANSMITTER
PRICE: USED AS DESCRIBED **\$29.50**

LINK RECEIVER 1905 152-172
MC F.M. DOUBLE CONVERSION,
SINGLE CHANNEL CRYSTAL CON-
TROL, SQUELCH CIRCUIT, WITH
TUBES 2/7A6, 1/7F7, 7/7AG7,
1/7B5, 2/6AK5. LESS CRYSTALS
SIZE: 8x10x12; WT: 30 LBS.
PRICE: WITH 6 VOLT POWER SUPPLY \$34.95
" " " " " " \$39.50

LINK TRANSMITTER 1906 152-172 MC FM LESS TUBES
DYNAMOTOR, RELAYS CRYSTALS, USED **6.95**

CONTROL RECEIVER
R-114/VRC-4 RECEIVER AM CRYSTAL
CONTROL ON FOUR CHANNELS IN THE
1.7 TO 8.7 MC BAND, ONE TUNEABLE
BAND OF 190 TO 510 KC. IF FREQ.
525 KC. FOR PHONE AND CW USE.
WITH TUBES 4/6SK7, 1/6K8, 2/6SQ7 & 1/6K6. VOLTAGE
REQUIRED 6 VDC FOR FIL. AND 220 VDC 80 MA.
SIZE: 15x11x14; WT: 80 LBS. RE-NEW **\$29.95**

RECEIVER
R-74/CRW-2 RECEIVER A.M
SUPERREGENERATIVE TYPE FOR
REMOTE CONTROL USE IN THE
53-88 MC BAND. WHEN THE RF
TRANSMITTING CARRIER IS MO-
DULATED BY 475 OR 3000 CYCLE
TONE, IT ACTUATES THE RELAY
IN THE RECEIVER WHICH CAN
BE USED TO CONTROL EQUIP.
SINGLE PRESELECTED FREQ. MUST BE USED.
WITH TUBES 1/6SG7, 1/6J5, 3/6SL7 AND 1/6SN7. AND
DYNAMOTOR 24 VDC INPUT, OUTPUT 250 VDC 60 MA.
SIZE: 6x8x10; WT: 15 LBS. PRICE: USED \$6.95

**NAVY TCS
TRANSMITTER**

AM, 1.5 TO 12 MC IN 3
BANDS, 40 WATTS CW, 20
WATTS PHONE, VARIABLE
MASTER OSCILLATOR AND
4 CRYSTAL CONTROL PRE
SET CHANNELS OVER THE
ENTIRE FREQ. RANGE.
WITH 3/12A6 TUBES IN
THE OSC. AND BUFFER-
DOUBLER, 4/1625'S MOD-
ULATOR AND POWER AMPL-
IFIER STAGES. ILLUMIN-
ATED DIAL WITH VERNI-
ER AND SPIN TUNING, 2 1/2
INCH METERS FOR READ-
ING VOLTAGES & R.F.
ALL TUNING AND OPER-
ATING CONTROLS ARE ON
THE FRONT PANEL. VOLT
AGES REQUIRED 12 VDC
& 400-440 VDC 200 MA.
SIZE: 11 1/2x11 1/2x13 1/2; 41LB
USED **\$34.50**
USED CHECKED
FOR OPERATION **\$44.50**



**NAVY TCS
RECEIVER**

AM, 1.5 TO 12 MC IN 3
BANDS, CRYSTAL CONTROL
ON FOUR PRESET CHANNEL
OR VARIABLE FREQUENCY
OVER THE ENTIRE RANGE.
AUDIO OUTPUT 1.5 WATTS
INTO A 500 OHM LOAD.
WITH TUBES 12SK7 RF AM
PLIFIER, 12SA7 CONVERT-
ER, 2/12SK7 IF AMPLIFIER
12SC7 DETECTOR & BFO,
12A6 OSC. & 12AE6 AUDIO
AMP. IF FREQ. 456.
ILLUMINATED DIAL WITH
VERNIER & SPIN TUNING.
AUDIO GAIN, AVC & BFO
CONTROLS. VOLTAGES RE-
QUIRED 12 VDC & APPROX.
220 VDC @ 100 MA.
CW PITCH AND OSCILLAT-
OR SELECTOR CONTROLS.
SIZE: 11 1/2x11 1/2x13 1/2; 37LB.
USED **\$44.95**
USED CHECKED FOR
OPERATION **\$49.95**

TCS POWER SUPPLIES
115 V 60 CYCLE (NOT SURPLUS)
COMBINATION UNIT FOR RECEIV-
ER, TRANSMITTER & CONTROL Bx
7x8x13; 50 LBS. WIRED **\$50.00**
TRANSMITTER ONLY; 5x6x9; 15 LB. " **35.00**
RECEIVER ONLY WITH SPEAKER
10x10x6; 15 LB. " **20.00**

**TCS REMOTE CONTROL UNIT TYPE
23270 FOR REC. TRANS. AND
AMPLIFIER WITH HEAVY DUTY 5"
PM SPEAKER, MIC & PHONE JACKS,
VOL. CONTROL & SWITCHES.**
3x5x7; 7 LBS. RE-NEW **\$9.95**

RUBBER SHOCK MOUNTS ONLY **EACH \$.50**
MOUNTING BASE ONLY **\$1.50** WITH 4 MOUNTS **\$2.95**
NOISE LIMITER CONVERSION KIT W/6H6TUBE **2.00**

TCS CABLES RECEIVER TO POWER SUPPLY **\$2.75**
" " TRANSMITTER TO " " **2.75**
PLUGS FOR CONTROL BOX & " " (2) **3.00**

TCS ANTENNA LOADING COIL #47205; USED TO MATCH
THE OUTPUT OF THE REC/TRANS. TO A WHIP
ANTENNA TO OBTAIN THE MAXIMUM PERFORMANCE.
OR BY USE OF THE 6 POSITION TAP SWITCH IT
CAN BE USED TO MATCH VARIOUS LENGTHS OF
STRAIGHT WIRE ANTENNA SYSTEMS.
SIZE: 6x9x6; WT: 7 LBS. PRICE: USED **\$6.95**

TCS DUAL DYNAMOTOR POWER SUPPLY
INPUT 12 VDC 14.5 AMP.
OUTPUT 440 VDC 200 MA.
FOR TRANS. 225 VDC 100
MA. FOR REC., FILTERED
INPUT & OUTPUT WITH
START RELAY & CONNECTORS FOR CONNECTING REC.
TRANS. & CONTROL BOX.
SIZE: 12x7x7; WT: 35 LBS. PRICE: **\$14.95**

D-401 DYNAMOTOR ONLY FOR TRANS. INPUT 12 VDC
9.9 AMP, OUTPUT 440 VDC 200 MA. RE-NEW **\$6.95**
D-402 DYNAMOTOR ONLY FOR REC. INPUT 12 VDC
3.8 AMP. OUTPUT 220 VDC 100 MA. RE-NEW **\$4.95**

TCS PARTS
MOST PARTS AVAILABLE, ADVISE US OF YOUR NEEDS.

STEPPING SWITCHES

WESTERN UNION AUTOMATIC NUMBERS
CONSISTS OF 3 ROWS OF LIGHTS
NUMBERED 0-9, 3 STEPPING SWITCHES
6 DECK 11 POSITION, ONE 10 DECK
24 POSITION STEPPING SWITCH, ONE
RELAY 4PDT & 4PST, OPERATES 40-
48 VDC, MOUNTED ON CHASSIS 4x
7 1/2x13 1/2; WT: 12 LBS. #9701.1A
PRICE: USED \$19.95

STOCK#	POS.	DECK	VDC	PRICE:
7709181P2	25	10	24	\$9.95
7709181P6	25	9	24	8.95
7709181P1	26	9	24	9.50
H77256	26	5	24	5.95
PW5011	26	5	12	5.95
A326427	12	10	24	5.95
PW104121	26	4	18	5.95
A315174	21	2	12	3.95
A215701	27	6	24	5.95
B215238	27	10	24	5.95
917722	24	8	30	5.95

STANDARD 19" PANEL MOUNTING WITH
SHELVES AND DRAWER, THAT CAN BE
REMOVED. (SHOWN TO THE RIGHT)
22"wx80"hx25d; WT: 150 LBS.
WEST.#7701 USED GOOD COND. \$45.00

TABLE TOP EQUIPMENT CABINETS;
HINGED COVER TOPS FOR STANDARD PAN-
ELS; ROUNDED CORNERS; ALUMINUM.
USED GOOD CONDITION.
PANEL SIZE: 19x10 1/2 F/SP-600 WT: 30 LBS.
PRICE: \$10.00
PANEL SIZE: 21x12 1/2; WT: 40 LBS. PRICE: \$12.00

OTHER TYPES AVAILABLE: TELL US WHAT YOU NEED

BC-1333 MARKER BEACON RECEIVER
75KC. USED TO RECEIVE SIGNALS FROM
ABOVE TRANSMITTER. WHEN SIGNAL IS
RECEIVED IT OPERATES A RELAY IN
THE RECEIVER WHICH IN TURN CAN BE
USED TO OPERATE SIGNALS, LIGHTS,
MOTORS, TURN ON EQUIPMENT ETC.
VOLTAGE REQUIRED 24VDC. COMPLETE
WITH TUBES 1/12SN7, 1/6SH7, 1/6SL7
SIZE: 3x5 1/2x5 1/2 WT. 3LBS. PRICE: USED \$2.95

EQUIPMENT CABINETS

FGC-5 DELUXE CABINET PICTURED
WITH COMPONENTS FOR 19" PANEL
MOUNTING; 8 DRAWERS 7" HIGH
WITH FULL GLIDE SUSPENSION AND
TIP OVER FEATURE FOR EASY SER-
VICING; BOTTOM DRAWER 11-1/8"
HIGH, STANDARD MOUNTING. GLIDES
CAN BE REMOVED FOR STANDARD
MOUNTING. FULL DOOR IN BACK
WITH DUAL BLOWER. SIZE: 73x27x
24 1/2; SHPG. WT: 300 LBS. \$45.00

EQUIPMENT CABINET WITH REAR
DOOR AND HINGED TOP COVER;
SIZE: 22x37x15; WT: 80 LBS.
WEST.#2237 PRICE: USED \$20.00

FGC-29 EQUIPMENT CABINET WITH
REAR DOOR AND 115 VOLT 60 CYCLE BLOWER;
SQUARE CORNERS SO THEY CAN BE GANGED.
SIZE: 22x75x24 WT: 175 LBS. USED \$40.00

CY-1334/G ACCESSORY CASE
THE OUTER FRAME IS FOR
RACK MOUNTING AND THE
DRAWER SLIDES INTO THE
FRAME AND HAS FULL GLIDE
SUSPENSION ALSO BRACKET
WITH 7 & 9 PIN TUBE PULL
ERS AND PIN STRAIGHTENER!
CASE SIZE 19x12 1/2x20,
DRAWER SIZE 15 1/2x10 1/2x19
WT: 18 LBS. (ALUMINUM) EX-COND. \$8.95

TRANSIT CASES: USED, GOOD CONDITION;
MEASUREMENTS ARE FOR INSIDE;
TS-1470/UP CASE; OVERALL
17 1/2x11 1/2x11; BOTTOM 7 1/2"
DEEP. HASP FASTENERS;
ALUMINUM; WT. 15 LBS.
\$5.00

PP-351/U CASE;
14x10x11; HINGED
COVER WITH HASP
FASTENERS; ALUMINUM; WT: 12 LBS.
PRICE: \$5.00

AN/USM-25A CASE; TWO COMPARTMENTS
ONE 11x19x13, WITH 1" RUBBER
GUIDES ON ALL FOUR SIDES; THE
OTHER 4x19x13, WITH 1/2" RUBBER
GUIDES. HASP FASTENERS; PLYWOOD;
WT: 29 LBS. PRICE: \$5.00

FIBERGLASS J-22-51
CASE; UPPER HALF 20x8x19; LOWER
20x4x19. HASP FASTENERS; FIBERGLASS.
WT: 26 LBS. PRICE: \$5.00

ROTARY INDUCTANCE TUNER COIL
2.5 TO 20 MC. 26 TURNS FLAT
COPPER 1/16 (APPROX. #18)
ABOUT 21 MIC-HY (LOOKS LIKE
IT SHOULD TAKE 1000 WATTS)
WITH SPIN KNOB AND COUNTER DIAL.
SIZE: COIL 6x5x8 1/2, DIAL PLATE 6x3 1/2; WT: 9 LBS
RUSSO#2407-1M PRICE: RE-MOVED F/EQUIP.\$14.95

ROTARY INDUCTANCE TUNER COIL
2.5 TO 20 MC. 29 TURNS WIRE NO. 1
14, COIL FORM 2-3/16x4-3/8
APPROX. 19 MU-HY, 100 WATTS,
1/2" SHAFT WITH COUPLING.
SIZE: 3x4 1/2x7; WT: 4 LBS.
RUSSO#2407-1C PRICE: RE-MOVED F/EQUIP.\$9.95

ROTARY INDUCTOR & DIAL
32.7 UH, 43 TURNS 1 1/2" DIA
x 2 1/2 LG. COIL, OVERALL
LENGTH 2 1/2x2 1/2x7, P/O TCS
TRANSMITTER. (SHOULD BE
GOOD UP TO 100 WATTS)
WT: 2 LB. #TCS-L108
REMOVED \$9.95

VARIABLE CAPACITOR TO MATCH ABOVE ROTARY
COIL: 425 MMFD, 3 1/2x1 1/2x1 1/2 WITH SHAFT.
TCS-C116 REMOVED FROM UNITS \$2.95

ROTARY INDUCTOR COIL
FROM COMMAND TYPE
TRANSMITTER, COMPLETE
UNIT LESS TUBES, CRY-
STAL WITH DIAL, CAP-
ACITORS, 2 VARIABLES
ETC. SHPG. WT: 10 LBS
BC-457-458 OR EQUIV
ENT. USED \$4.95

BC-223 TRANSMITTER

\$19.95

BC 223
TRANSMITTER
25 WATT
2000 TO 5200KC
BY USE OF 3
PLUG IN TUNING
UNITS, CRYSTAL
CONTROL AND
VARIABLE OSCIL-
LATOR, FOUR
PRESHSELECTED
CHANNELS, USES

FT-171 CRYSTAL HOLDERS WITH TUBES 1/801 OSCIL-
LATOR, 1/801 POWER AMPLIFIER, 2/46 MODULATORS,
1/46 AUDIO AMPLIFIER, 2 1/2" METERS, 0-3 R.F. &
0-300 VDC MA. VOLTAGE REQUIRED 12 OR 24 VDC
& 500 VDC @ 150-200 MA.

SIZE: 18x13x7; WT: WITH 3 TUNING UNITS 100 LBS
PRICE: W/TUBES AND 3 TUNING UNITS WITH CASES
FOR 2 TUNING UNITS.. NEW \$19.95

TU-17 TUNING UNIT 2000-3000 KC. \$3.95
TU-18 " " 3000-4500 " 2.95
TU-25 " " 4500-5200 " 2.95
CS-56 CASE FOR HOUSING TUNING UNIT 1.00
FT-173 SHOCKMOUNTING 1.95
POWER PLUG CONNECTOR F/TRANS OR POWER 1.25
PE-135/PE-55 DYNAMOTOR 12/24 VOLT, USED 10.95
AC POWER SUPPLY
KIT OF PARTS \$25.00 WIRED \$29.95

COMCO MODEL 278 TRANSMITTER-RECEIVER

275 MC. RECEIVER-TRANSMITTER
FOR 6/12/24 VOLT OPERAT
ION. POWER OUTPUT 2-3
WATTS. UNIT IS CRYSTAL
CONTROLLED (CRYSTALS
NOT INCLUDED). COMPLETE
WITH TUBES: 2E26, 5686,
5/6PH6, 12AX7, 2/6AQ5,
6AT6, 3/6BJ6, 6BE6,
2/6AK5, 6AK6. UNIT COMPLETE WITH TUBES,
CABLES, SPEAKER, AND CONTROL BOX.
SIZE: 12x11x5 1/2. WT: 35 LBS.
USED \$39.95

DIVERSITY RECEIVER

DIVERSITY RECEIVING EQUIPMENT
PROVIDES A MEANS FOR COMBINING
THE OUTPUT OF THREE
RECEIVERS TO PRODUCE A SINGLE
KEYED AUDIO OUTPUT SIGNAL,
FREE FROM NOISE AND OTHER UN-
DESIRED INTERFERENCE. IT IS
SUITABLE FOR USE ONLY IN CW
& MCW SIGNALS AND NOT VOICE.
THE BAND PASS FILTER IS FOR 600 TO 1200 CYC.
AND THE OUTPUT OF EACH RECEIVER IS INDICATED
ON THE METERS WHICH ARE 500 MICROAMP. THE
AUDIO FREQ. CONTROL CAN BE ADJUSTED FOR THE
PROPER BAND PASS. INPUT AND OUTPUT IMPEDANCE
IS 600 OHMS. EQUIPMENT OPERATES FROM 115/230
VOLT 50/60 CYC. AND CAN BE RACK MOUNTED.
W/TUBES 1/VR-150, 1/6F8, 3/6A6, 2/6SJ7, 1/77,
1/1V, 1/80. SIZE: 21x19x14; WT: 125 LBS.
PRICE: NEW WITH MANUAL \$19.95

STANDARD ELECTRIC TIMER TYPE S-1
ONE (1) REV. PER SEC. MOTOR 115
VOLT 400 CYCLE, CLUTCH 24 VDC,
RESET 24 VDC.
SIZE 5 1/2x5 1/2x4 1/2; WT: 8 LBS.
STOCK NUMBER 6645-803-2107
PRICE: UNUSED \$24.95

AIRSPEED INDICATOR

1D-688/APA-44 AIRSPEED
INDICATOR. CONTAINS A
KOLLSMAN TRUE AIRSPEED
METER AND AN INDICATING
DEVICE WITH A RANGE OF
84 TO 434 KNOTS. BY OPERATION OF THE TEST
SWITCH THE AIRSPEED SERVO MAY BE MADE TO RUN I
DIRECTION OF INCREASING AIRSPEED, IN DIRECTION
OF TRUE AIRSPEED, OR TO HOLD THE PRESENT SETTING
FLEXIBLE TUBE CONNECTED TO A TEMPERATURE COMPEN-
ATING THERMOMETER. JOHN OSTER MOTOR # AV 240
28 VDC. TUBES 1/6AK5W. WESTERN ELECTRIC RELAY
D171584. SIZE 15x7 1/2x5. WT. 19 LBS.
USED \$5.95 RE-NEW \$8.95

RT-122/APW-11 REC.-TRANS.

RT-122/APW-11 RECEIVER TRANS-
MITTER, THIS UNIT CONSISTS OF
A TUNABLE RECEIVER CAVITY, A
CRYSTAL DETECTOR, A VIDEO AMP
LIFIER, DECODING CIRCUITS, A
TRANSMITTER AND CIRCUITS FOR OB-
TAINING AUDIO FREQUENCY TONES FROM
THE PULSE POSITION MODULATED SIGNALS OF THE
AN/MSQ-1. THE TRANSMITTER CONTAINS CIRCUITS
FOR ENCODING THE REPLY BY VARYING THE SPACING
BETWEEN THE TWO REPLY PULSES. THE RECEIVER-
TRANSMITTER RECEIVES INPUT PULSES TRANSMITTED
AT A PULSE REPETITION FREQUENCY OF 410 CYCLES
PER SECOND AND A PRESET CARRIER FREQUENCY
RANGING BETWEEN 2680 AND 2920 MC. THE REPLY
PULSES ARE AUTOMATICALLY TRANSMITTED AT A PRE-
SET CARRIER FREQUENCY RANGING BETWEEN 2700
AND 2950 MC. TUBES: 1/12AT7; 2/2D21; 6AS6; 6AL5
2C40. SIZE: 13x5 1/2x6. WT. 19 LBS.
PRICE: USED WITH TUBES... \$14.95
USED LESS TUBES... 5.95

C-400/APW-11 SELECTOR UNIT FOR
RT-122 REC-TRANS. CONTAINS
6 RELAYS 24 VDC SPST NORM OPEN
15 9 PIN SOCKETS, 1 OCTAL, 6
FILTERS, 1 DPDT SW. RESISTORS
CONDENSERS ETC. 5x6x12; 8 LBS
PRICE: USED LESS TUBES \$2.95

SERVO AMPLIFIER

SERVO AMPLIFIER #358661 IN SEALED
BLACK BOX CONTAINING SIX (6)
TUBES 2/6AL5, 2/6AQ5, 1/6096, 6101,
RELAY DPDT, OUTPUT TRANS. COND.
RESISTORS ETC.
SIZE: 5x3x4; WT: 4 LBS. USED \$1.95

AMPLIFIER

WEBSTER ELEC RIC AMPLIFIER
SERVO TYPE. OPERATES FROM
115 VOLT 60 CYCLE, WITH TUBE
3/6SN7, 1/6H6, 1/6SN7 & 1/5T4,
POWER SUPPLY OUTPUT 250 VDC
80 MA (UNFILTERED) 5 VAC @ 3 A
6.3 VAC @ 3 A., 6.3 VAC @ 4 AMP. ALSO INTER-
STAGE TRANSFORMERS, RESISTORS, CONDENSERS,
CONTROLS ETC. CHASSIS SIZE 14x6x1 1/2; WT: 19 LB
PRICE: USED \$4.95

R-38C/MPN RECEIVER 30 MC T.R.F. PULSE RECEPTION RADAR "S-X" WITH AFC AND GAIN CONTROLS AND TEST JACKS. 117V. 60 CYCLE VOLTAGE REGULATED POWER SUPPLY. WITH TUBES 7/6AC7, 3/684G, 2/6SN7, 2/6V6, 2/6S37, 2/5R4G, 2/VR-105, VR-150, 884, VII, 6H6. RACK MTG. 19x8x20 1/2; WT: 100 LBS. PRICE: \$25.00

MAGAZINE
MAGAZINE FOR RADARSCOPE IMAGE OPTICAL TARGET RECORDING CAMERA TYPE C-7 WITH FILM SPPOOL SIZE 1-3/8 x 2 1/2.
SIZE: 3 1/2 x 6 x 5 1/2; WT: 5 LBS.
PRICE: USED \$9.95

**CONTROL FOR DURATION TRIPPING PULSE PHOTO CONTROL SYSTEM E-1 VOLTAGE REQUIRED 24 VDC. CONTAIN DELCO 24 VDC P.M MOTOR 10,000RPM CONNECTED TO A GEAR BOX ALSO A 3 DIGIT ELECTRIC COUNTER WITH MANUAL RESET, 2 - 24VDC RELAYS, START, STOP AND SINGLE EXPOSURE PUSH BUTTON SWITCHES, PILOT LIT & FUSE HOLDER. W/ SCHEMATIC SIZE: 5 1/2 x 6 1/2 x 4 1/2; WT: 8 LBS.
PRICE: USED \$8.95**

RECEIVER
BC-229 RECEIVER A.M. T.R.F. 201 TO 398 KC AND 2500 TO 7700 KC BY USE OF PLUG IN COILS SUPPLIED WITH THE REC. WITH SIX TUBES 1/37, 1/38 & 4/39. POWER REQUIRED FOR FILAMENTS 12 VOLTS, HIGH VOLTAGE APPROX 200 TO 250 VOLTS D.C. @ 80 MA.
SIZE: 16x8x7; WT: 15 LBS.
PRICE: UNUSED WITH TUBES AND COILS \$9.95
CONNECTOR PLUG (1) REQ. \$1.50 TUNING KNOB \$1
A.C. POWER SUPPLY 115 VOLT 60 CYCLE WITH SPEAKER CONNECTING CABLE & PLUG IN METAL CABINET, SWITCH & PILOT LIGHT. NEW \$19.95

AMPLIFIER
AM-142/AIC AMPLIFIER USED IN LARGE AIRCRAFT AS A AUDIO LINE BOOSTER AND MIXER FOR THE INTER COMMUNICATION SYSTEM. INPUT IMPEDANCE 500 OHM OUTPUT 600 OHM. OPERATES FROM 24 VOLTS D.C. USES ONE 26A7 TUBE. WITH TUBE & SCHEMATIC. SIZE: 5x5x2; WT: 3 LBS. PRICE: USED \$2.95

SERVO AMPLIFIERS
SERVO AMPLIFIERS FROM MD-2 ELECTRONIC CONTROL STABILIZATION BOMBING NAVIGATIONAL COMPUTER. PART NO. DESIG. PART NO. DESIG
658657 I H 656662 P H
672168 MAH 673097 MDH
658659 K H EACH UNIT
SIZE: 3x3x3 1/2; WT: 3 LBS. U \$1.95
658658 J H 658661 M H
658660 L H EACH UNIT
SIZE: 5x3x3 1/2; WT: 4 LBS. U \$1.95
SEALD UNITS. CONNECTOR PLUGS EACH USED \$1

AMPLIFIER
AM-26/AIC AMPLIFIER; USED IN AIRCRAFT FOR AUDIO INTERCOMMUNICATION. CARBON MICROPHONE INPUT, 600 OHM AND 2000 OHM OUTPUT IMPEDANCE. WITH 2/12J5 & 2/12A6 TUBES. VOLTAGE REQUIRED 24 VDC FOR FILAMENTS AND 250 VDC @ 60 MA. MOUNTING FOR DM-32 DYNAMOTOR 24 VDC. (PAGE 9)
SIZE: 9 1/2 x 5 1/2 x 5 1/2; WT: 8 LBS. PRICE: USED \$4.95

**TS-328A/U FREQUENCY METER, JBT MANUFACTURE. 400 CYCLE POCKET TYPE. NINE REEDS, 360-420 CYCLES IN UNITS OF 5 CYCLES.
SIZE: 3x6x4; WT: 2 LBS.
PRICE: USED \$7.95**

COMPUTER SYSTEM
AMPLIFIER, ELECTRONIC CONTROL TYPE D-1; CHOPPER SAMPLING TYPE WITH TORRIDAL TRANSFORMERS WITH FEED-BACK LOOPS, 6 VOLT 400 CYCLE CHOPPER, 1/5814 & 1/5751 TUBES, SELENIUM RECTIFIER SUPPLY, RESISTORS, CONDENSERS ETC. W/ SCHEMATIC VOLTAGES REQ. 255VDC, -35VDC, 6.3VAC, 115/400CY SIZE: 4x6x9; WT: 12 LB. PRICE: USED \$4.95

COMPUTER-POWER SUPPLY LA-15 CONTAINS 115 V 400 CYCLE P.S OUTPUT -35VDC & 210 VDC, 3 DECK 25 PDS. WAFER SW. 3 POLE 25 POS. WAFER SW. 1 " 12 POS. WAFER SW. 33 PRECISION RESISTORS WIRED TO THE SWITCHES ALSO COND. RECTIFIERS, CONTROL ETC. W/ SCHEMATIC SIZE: 6x4x4; WT: 3 LBS. USED \$3.95

AMPLIFIER, ELECTRONIC CONTROL TYPE E-1; TORRID COIL TRANSFORMERS, K2701 CHOPPER ERROR SAMPLING & FEED-BACK COMMAND SIGNAL. 1/5751 & 1/5678 TUBE, TRANS. ETC. VOLTAGE REQ. 255 VDC, -22V, 6.3 VAC & 115V400C SIZE: 4x6x1 1/2; WT: 2LB. W/ SCHEMATIC U \$1.95

**MOUNTING BASE FOR AMPLIFIER ASSY. LA-18; USED WITH CAMERA CONTROL SYSTEM LA-17, HELDS COMPUTER P.S LA-15, CONTROL AMP. E-1 & D-1 DESCRIBED ABOVE CONTAINS 4 RELAYS 4PDT, SWITCHES FILTER, RESISTORS ETC. ALSO MATTING PLUGS FOR ABOVE UNITS. SIZE: 13 1/2 x 5 x 2; WT: 8 LBS.
\$3.50 BASE ONLY, WITH SCHEMATIC
CONNECTOR PLUGS TO FIT BASE ONLY, EACH \$2.50
CONNECTOR PLUGS TO FIT UNITS " " 1.00**

**T-233/URV-3 TRANSMITTER & MODULATOR 65.9 TO 93.8 MC AM WITH 4/815 & 10/12SN7 TUBES. CRYSTAL CONTROL ONE CHANNEL. USED IN AIRCRAFT FOR REMOTE CONTROL OF DRONE RECEIVERS. OUTPUT APPROX 50 WATTS.
VOLTAGE REQ. 400 VDC @ 400 MA. AND 24 VDC. SIZE: 8 1/2 x 16 1/2 x 16 1/2; WT: 32 LBS. USED \$19.95**

SA-235/APA-57 CONTROL UNIT HAS A SMALL GYRO CONNECTED TO CONTACT ARM THAT MOVES ACROSS A RESISTANCE CONTACTS WHICH WILL GIVE FOUR VOLTAGE READINGS IN RIGHT OR LEFT POSITIONS. ALSO HAS 24 VDC SEALED RELAY 2PDTCLARE SK5235, AMP. THERMAL RELAY 26C8, 7 PDS. & 3 PDS. WAFER SWITCHES. SIZE: 10x5x5; WT: 4 LBS. UNUSED \$4.95

WAVEGUIDES
R.F. OSCILLATOR ASSEMBLY P/O R/T 39 APG - RADAR SET, 2500 TO 2600 MC. REQUIRE 20C40 & 20C43 & 1R27 TUBES. HAS SPECIAL COAX. FEED LINES FOR UG TYPE CONNECTORS. SILVER PLATED ASSY. NO TUBES OR TUBE CAPS. SIZE: 9x4x4; 5 LBS. #2C2783 \$1.95

WAVEGUIDE COUPLER ASSY-DUAL DIRECTIONAL. FLANGE SIZE 1-7/8x1-7/8 WAVEGUIDE 1/2x 1-1/8, DUAL GUIDES 9/8" LG. WITH PRESSURIZING ASSY. 5 LB 1BM STK#1280-779-5806 \$1.95

FIXED COAXIAL ATTENUATORS

TYPE	ATT.	D.B	OHMS	FREQ.	POWER CONN-	PRICE
CN-110/U	10	50	1-4	KMC	10 UG-45/46	\$1.95
CN-111/U	20	50	1-4	"	"	3.75
CN-168/U	3	50	1-4	"	"	1.95
CN-169/U	6	50	1-4	"	"	1.95
DT-76	R.F.	BALOMETER	FOR ABOVE UNITS			4.95

DIGITAL DISPLAY
DIGITAL DISPLAY: EACH UNIT WILL SHOW NUMBERS 0 TO 9 ALSO \$ SIGN 3-3/16" HIGH ON 3 1/2 x 4 SCREEN THAT CAN BE SEEN FOR QUITE A DISTANCE. OPERATES FROM 6.3 VAC. CAN BE ADAPTED FOR BASKETBALL FOUL INDICATOR BY PLACING ONE OVER EACH SCOREBOARD AND HAVE A CONTROL PANEL CONSISTING OF 5 SWITCHES AND TRANSFORMER AT THE SCORER'S TABLE. (WIRING DIAGRAM FURNISHED ON REQUEST) CAN ALSO BE ADAPTED FOR USE AS A MOVING READOUT BOARD. SIZE: 3 1/2 x 5 1/2 x 1 1/2; WT: 7 LBS.
PRICE: USED \$5.95 EACH 2 FOR \$10.00

SPECIAL TUBES
INFRA-RED IMAGE CONVERTER TUBE PERMITS SEEING IN THE DARK WITH LITTLE OR NO VISIBLE LIGHT. THIS IS ACCOMPLISHED BY MEANS OF INFRA RED RAYS WHICH ARE DIRECTED AT THE OBJECT OR AREA TO BE VIEWED. WITH ASSOCIATED ACCESSORIES THIS TUBE CAN BE UTILIZED TO DO THIS PLUS MANY OTHER EXPERIENCES CAN BE TRIED IN OTHER AREAS. (DETAILS OF SNOOPSCOPE SUPPLIED WITH PURCHASE.) SIZE: 1 1/2 x 1 1/2; WT: 4 OZ.
PRICE: \$1.95 EA. 3 FOR \$5.00

**PHOTOTUBE: SIMILAR TO VISTRON R-71, 90 VOLTS. WITH LEADS, SIZE 1 1/2 x 2 1/2 \$1.50
SIMILAR TO VISTRON R-50, 90 VOLTS. WITH LEADS, SIZE 5/8 x 1 1/2 \$1.00
TYPE 923 4 PIN BASE \$2.25
TYPE 930 OCTAL " \$2.25
LIGHT SENSITIVESWITCH 12 VOLT; AS USED IN MIRROR-MATIC REAR VIEW 35¢ EA. 3 FOR \$1.00
GEIGER TUBE ABS/5979 F/PDR-27 BS-1 \$2.95 EA. 2 FOR \$5.00**

RADIOSONDE
AN/ANT-2 RADIOSONDE, 403 MC FM. A SINGLE PACKAGE INSTRUMENT WHICH CARRIED BY A FREE BALOON, IS USED TO TRANSMIT METEOROLOGICAL INFORMATION TO A GROUND STATION. THE FREQUENCY MODULATION IS CONTROLLED BY A SENSOR MECHANISM CONTAINING ELEMENTS CONTROLLED BY PRESSURE, TEMPERATURE AND HUMIDITY TOGETHER WITH A COMMUTATOR ARRANGEMENT WHICH SETS UP A SEQUENCE OF SIGNALS. USES 2 TUBES AND REQUIRES 1.5, 6 & 115 VDC FOR OPERATION. W/ TUBES, LESS BATT. SIZE: 4 1/2 x 6 x 6 1/2; WT: 1 1/2 LB.
PRICE: \$5.00

ARP RECEIVER
R-34/APR-2 RECEIVER 90-1000 MEGACYCLES, PROVIDES AUTOMATIC OR MANUAL SCANNING THROUGH THE FREQ. RANGE. ALL SIGNALS WITHIN THE RANGE CAN SIMULTANEOUSLY INDICATED VISUALLY ON THE DIAL AND GRAPHICALLY ON THE 1-3/8" SENSITIZED TAPE: TIME AT WHICH SIGNALS APPEAR IS ALSO RECORDED ON THE TAPE; DURING THE SWEEP CYC. WHICH MAY BE SET AT 1.5 OR 5 RPS. AUTOMATIC SWITCHING FOR LOW AND HIGH ART. VOLTAGE REQ. 26 VDC & 80-120 V 400 TO 2600 CYC. WITH 18 TUBES, 5 ROLLS OF TAPE AND OPERATING INSTRUCTIONS.
SIZE: 21x10 1/2 x 8; WT: 50 LBS. UNUSED \$99.50
MT-171 SHOCKMOUNTING FOR ABOVE RECEIVER \$2.75
CONNECTOR PLUG ONLY \$1.50 WITH CABLE ... \$2.75

U.H.F. REC TRANS.
TRANSMITTER-RECEIVER W/S CDN NO. 29 "B" SET APPROX 230 TO 245 MC. WITH SELF CONTAINED 12/24 VDC POWER SUPPLY. TWO PRE-SET CHANNELS IN THE FREQ. RANGE. (IDEAL SET FOR LOCAL NETTING. WITH TUBES 4/6AG5 2/6AK6, 2/6C4 & 3/6J6. SIZE: 4 1/2 x 8 x 11; WT: 18 LBS.
PRICE: USED \$18.95

SIGNAL GENERATOR

TS-497A/URR SIGNAL GENERATOR 2 TO 400 MC SIMILAR TO MEASUREMENTS 80 SIX BANDS, 5% ACCURATE CONTINUOUSLY VARIABLE FROM .1 TO 100,000 MICROVOLTS, 50 OHM OUTPUT IMEDOANCE, SINE WAVE MODULATION CONTINUOUSLY VARIABLE 0-30 PERCENT AND IS DIRECTLY INDICATED ON THE PERCENT MODULATION METER, INTERNAL MODULATION 400 OR 1000 CYCLE, EXTERNAL 50 TO 10,000 CYC AMPLITUDE AND PULSED CARRIER OUTPUT. VOLTAGE REQUIRED 117 VOLT 50/60 CYCLE. PORTABLE UNIT WITH REMOVABLE COVER. SIZE: 9x19x10; WT: 48 SHPG. 65 LBS. PRICE: USED CHECKED FOR OPERATION \$225.00

1-129 FREQUENCY METER ABSORPTION TYPE; DESIGNED TO MEASURE RADIO FREQUENCY FROM 1.5 TO 41 MC. CONSISTS OF FOUR FREQUENCY INDICATING ASSEMBLIES, THAT CONSISTS OF A COIL VAR. CAPACITOR AND DIAL, AND IS USED TO INDICATE THE FUNDAMENTAL FREQ. OF AN R.F. SOURCE. IT MAY ALSO BE USED TO DETERMINE THE ORDER OF A HARMONIC CRYSTAL OSCILLATOR, FREQ. DOUBLER OR QUADRUPLER. THE RANGES ARE 1.5-4 MC, 4-11 MC, 10-20 MC & 19-40 MC. NO VOLTAGE IS REQUIRED FOR OPERATION. CARRYING CASE SIZE: 12x5x3; WT: 8LBS. U \$25.00

BALLANTINE 310A VTVM WIDE RANGE, MEASURES FROM 1UV-100 V FULL SCALE AT 10 HZ TO 2x HZ. ACCURACY IS -3% OF READING FROM 15 HZ TO 1 MHZ. \$65.00

1-196 SIGNAL GENERATOR 160 TO 220 MC USED TO CHECK LF & HF BANDS OF IFF SETS. DRY BATTERY OPERATION USES ONE 957 ACORN TUBE VARIABLE FREQ. & TONE CONTROL, PILOT LIGHT, ON/OFF SW. ETC. HOUSED IN WOOD CASE WITH CANVAS COVER. SIZE: 8x8x14; WT: 10 LBS. REQUIRES 1.5 & 135 VOC. NEW \$2.95

OS-29/UPM-4A PRECISION SYNCHROSCOPE EMPLOYING A THREE INCH CATHODE RAY TUBE. THE SWEEP OF THE CRT CAN BE TRIGGER EXTERNALLY OR INTERNALLY AND CAN BE DELAYED WITH EITHER TRIGGER. THE SWEEP DURATION AND, WHEN INTERNALLY TRIGGERED, THE SWEEP FREQ. CAN BE CONTROLLED. THE INPUT SENSITIVITY OF THE VIDEO AMPLIFIER CAN BE VARIED IN SIX STEPS FROM 0.2-20 VOLTS PER INCH OF VERTICAL DEFLECTION. THE UNIT CONTAINS HIGH VOLTAGE POWER SUPPLY, BUT REQUIRES THE FOLLOWING VOLTAGES FOR OPERATION 300V, -27V, 425, 105V. NORMALLY SUPPLIED BY POWER SUPPLY PP-802/UPM-4A, NOT AVAILABLE. SIZE: 22x19x10. WT: 50 LBS. RENEW- \$34.95.....USED- \$22.95

R-65/APN-9 LORAN RECEIVER INDICATOR AS USED IN AIRCRAFT AND BOATS. PROVIDES ACCURATE MEANS OF DETERMINING POSITION OF FIXED SHORE TRANSMITTING DIRECTION STATIONS WHEN OTHER MEANS ARE INEFFECTIVE. CONSISTS OF A RECEIVER OPERATING IN THE MARINE BAND WITH 3" CR TUBE INDICATOR FOR PRESENTATION OF THE RECEIVED SIGNALS. OPERATES FROM 24 VDC & 115 V. 400-800 CYCLE. W/TUBES, LENSE, CRYSTAL. SIZE: 9x12x30; WT: 40 LBS. USED \$59.50 LESS TUBES, CRYSTAL, HOOD & LENSE..... \$20.00

RADAR FREQUENCY AMP.

R-9 RADAR FREQUENCY AMP. USED TO INCREASE OUTPUT OF TEST EQUIPMENT IN 2750-2950 MC RANGE. POWER APPROX. 6 WATTS FROM 2C40 TUBE. CONTROLS FOR POWER AND FREQUENCY. COMPLETE WITH TUBES 2C40; 6AN5; 5687; 12AT7; 2X2; 2/OA2; OB2; 2/5Y3; 5EQ6; SIZE: 10x17x20. WT. 43LBS. PRICE: \$19.95



TRANSMISSION GENERATOR, MFG. ARMA, TYPE 03TG-400X1, DWG#93054 \$2.95

AUTOSYN RESOLVERS
AY-123D BENDIX 400 CYCLE; ROTOR 2 PHASE, 26 VOLT; STATOR 2 PHASE, 11.8 VOLT. \$1.95
RESOLVER TRANSMISSION GENERATOR, JOHN OSTER TYPE 15-4042-06, DWG-#C45 \$2.95
RESOLVER MFG. CLIFTON PART #BSC-15DS; ROTOR 2 PHASE 0.5-16 VOLT; STATOR 0.5-16 VOLT 400 CYCLE. \$2.95
RESOLVER, MFG. ARMA, TYPE 03X1-400 DWG#93001 \$2.95
RESOLVER, MFG. OSTER TYPE 15-4042-04 \$2.95

AUTOSYN DIFFERENTIAL
AY-165-A3 400 CYCLE, 3 PHASE 11.8 VOLT; ONE TO ONE RATIO. MFG. BENDIX \$1.95
AY-232S-3B BENDIX SAME SPEC. AS ABOVE 1.95
AY-231S-3B " " " " " " 1.95

RECEIVER TORQUE SYNCHRO 23TR4 115/90 VAC 400 CYCLE, TWO UNITS MOUNTED ON FRAME WITH NUMBERED DIALS 0-100 & 0-1000, SYNCHRO SIZE: 4x2x2 PRICE USED \$15.00

23TR4 RECEIVER 115/90v. 400 cyc. USED \$7.95
23TX4 TRANSMIT 115 v. 400 " " " 7.95
23CT4 CON. TRANS. 115v. 400 " " " 7.95
23RS4A RESOLVER 90/90v. 400 " " " 7.95
23CX6 TRANSMIT 115/90v. 60 cyc. USED \$10.00
23CT6 TRANSFOR 90/1v. PER DEGREE " 7.00

DAYSTROM TRANSCOIL CONTROL MOTOR 115 VOLT 60 CYCLE, 1 PHASE, 2 PHASE 200 VOLT ST. 3200 RPM. SIZE: 2x2x2, SHAFT SIZE: 1/16x2 WITH GEAR. REMOVED FROM NEW EQUIPMENT. PRICE: \$5.00

2J1H1 SELSYN DIFFERENTIAL GENERATOR NORMALLY OPERATES FROM 57.5/57.5 VOLTS 400 CYCLE BUT WILL OPERATE FROM 26 VOLT 60 CYCLE AS SHOWN IN WIRING DIAGRAM ON PAGE 31. SIZE: 2x4x4; WT: 8oz. PRICE WITH CONNECTOR CAPS.....\$3.95

OSCILLOSCOPE VIEWING HOODS:
5" ROUND TEKTRONIX MFG.; PLASTIC BARREL W/RUBBER VIEWER; SIZE: 5x11; WT: 4LBS. PRICE: NEW \$3.00
6"x5" RECTANGULAR HOOD; FOR INDICATOR BC-704-A; P/O SCR-521-A; SIZE: 6x5x9; WT: 4LBS. #22A937B U. \$3.

TS-239 OSCILLOSCOPE GENERAL PURPOSE INSTRUMENT FOR TESTING RADAR & COMMUNICATION EQUIPMENT. DISPLAYS A LUMINOUS PLOT OF TIME-VARYING VOLTAGE PULSE OR WAVE ON A 3" CRT TUBE. SINE WAVE OF 10 CYC TO 5 MC ARE OBSERVABLE. INPUT IMP. 300M OHMS W/30 MFD CAP. SIGNAL INPUT SCOPE ONLY .1 TO 100 VOLTS PEAK. OUTPUT TRIGGER PULSE 1/25 V. 4 MICROSEC. DUR FREQ. RANGE 1 CYC TO 3 MC. PULSE DISPLAY .2 TO 5M MICROSEC. INTERNAL SQUARE WAVE 150 CYC PER-SEC. ADJ. .1 TO 1 VOLT. ALSO 75 VOLT SQ. WAVE. SENSITIVITY .1 VOLT PRODUCES STAND. DEFLECTION W/MAX. AMPLIFICATION. CONTROLS & CONN. ON FRONT PANEL. SIX STEP MULTIPLIER EXTENDS RANGE 300 TIMES. SWEEP ADJ. .1 TO 50M MICROSEC. POSITIVE OR NEGATIVE POLARITY. WITH USE OF PROBE INPUT IMP. MAY BE INCREASED TEN TIMES WITH LOSS OF SENS. AND INCREASE IN VOLTSGE TO 450. WITH TUBES 3/6AK5, 2/6AG7, 2/6C4, 8/7F8 1/6AL5, 2/6SN7, 1/VR-105, 2/6X5, 1/5R4 & 1/3J1P1 SIZE: 21x16x13; WT: 75 LBS. PRICE: USED CHECKED \$69.50 NOT CHECKED \$55.00

DESICCATOR PUMP TEST FIXTURE: CONSISTS OF AIR FLO-SCOPE INDICATOR WITH 4" MAGNETIC METER 0-8 INCHES OF WATER AND PRESSURE CONTROL VALVE ALSO TWO 3" SQUARE METERS 0-50 VDC 500 OHMS PER VOL AND 0-5 AMP METER, RHEOSTAT, SW, PILOT LIGHT ETC. UNIT IS HOUSED IN METAL CARRYING CASE 21x13x6; WT: 25 LBS. PRICE: USED \$14.95

SYNCHRO SELSYNS

SYNCHRO GENERATOR SPERRY PT#R5663642 MFG. BY BENDIX FOR IBM. SIMILAR TO BENDIX OPERATES FROM 26 VOLTS 400 CYCLE SINGLE PHASE WHEN USED IN CONJUNCTION WITH BENDIX # AY-201 SYNCHRO CONTROL TRANSFORMERS IT WILL OPERATE UP TO 20 UNITS. WILL ALSO OPERATE FROM 6 VOLT 60 CY. WITH A SLIGHT LOSS. SIZE: 2x2x2; SHAFT 1/16x2; WT: 12 OZ. PRICE: NEW \$2.95 2 FOR \$5.00

AY-201 SYNCHRO CONTROL TRANSFORMER MFG. BY BENDIX, KETAY, CLIFTON ETC. ROTOR 1 PHASE 26 V 400 CYC. STATOR 3 PHASE 11.8 V. SIZE: 1x1x1, SHAFT 1/16; WT: 3 OZ. PRICE: RE-MOVED FROM EQUIP. \$1.95 EA.

SELSYN TRANSFORMER DIEHL #812732 115 VOLT 400 CYCLE. CAN BE OPERATED ON 60 CYCLE WITH CAPACITOR. RE-MOVED FROM EQUIPMENT. SIZE: 2x2x2; 3 LB. \$2.25

BC-788C RECEIVER-TRANSMITTER ALTIMETER, PULSE TYPE, TRANSMITTER OUTPUT 50 WATTS. FIXED FREQUENCY 440 MC. WITH TUBES 3/6J6, 1/6L6, 9/6AG5 AND 1/5Y3G1 OPERATES FROM 115 VOLT 400 TO 2400 CYCLE. SIZE: 15x9x8; WT: 13 LBS. PRICE: USED \$18.95

INDICATOR

ML-117 INDICATOR, WIND DIRECTION AND SPEED. UNLIMITED WIND SPEED RANGE INDICATED BY ONE LIGHT, 0-360 DEG. WIND DIRECTION RANGE INDICATED BY 8 LIGHTS, FLASHING LIGHTS OR BUZZER INDICATORS, INTERRUPTER CURRENT ACTUATED, 110 V 60CY OR 6.8 VDC. (THIS IS ONLY THE INDICATOR, REQUIRES OTHER PARTS FOR OPERATION) FREIZ ITEM #18-1475. SIZE: 9x4; WT: 24 LBS. PRICE: RE-NEW \$12.95

GENERAL ELECTRIC SELSYN CONTROL TRANSFORMER MODEL NO. 2J15N1 57.5-57.5 VOLTS 400 CYCLE. SIZE: 2x2x2; 1 LB. NEW \$4.95

RT-159/URC-4 RADIO RECEIVER-TRANSMITTER USED FOR GROUND TO AIR-CRAFT RESCUE WORK. VHF FREQ. 120-130 MC. UHF FREQ. 240-260 MC. CRYSTAL CONTROL TRANSMITTER, SUPER REGENERATIVE RECEIVER, DIPLOLE COLLAPSIBLE ANTENNA AND COMB. MIC & EARPHONE ARE PART OF THE SET. WITH 8 TUBES 4/6050, 2/6147, 2E32, & 3Q4. BATTERY VOLTAGES REQUIRED 1.4 AND 90 VDC. UNITS USED SERVICEABLE. SIZE: 3x7x2; WT: 3LBS. PRICE: USED \$14.95

RT-285/URC-11 RECEIVER-TRANSMITTER SIMILAR TO URC-4 RESCUE UNIT FOR USE BETWEEN AIRCRAFT AND GROUND. UNIT IS SET FOR 243 MC. TELESCOPING ANT. REC.-TRANS-TONE SW. BUTTON VOLTAGES REQ. 1.4 & 90 VDC. SAME AS URC-4 ALSO URC-4 TEST SET CAN BE USED; TS-684 SHOWN ON PAGE 16 SIZE: 3x1x4; WT: 1 1/2 LBS. PRICE USED..... \$18.95

POWER SUPPLY FOR 7 SETS

PP-351/U POWER SUPPLY; PORTABLE POWER UNIT PROVIDING REGULATED DC POWER FOR TESTING COMMUNICATION EQUIP. AN/PRC-6, 8, 9 & 10; SCR-510 & 610; AND RECEIVER-TRANSMITTER BC-1000. INPUT: 115/230V. 2.6/1.3 AMPS, 50/60 CYCLES OUTPUT, A1: .9 TO 1.8 VDC @ 0 TO 1.5 AMPS A2: .9 TO 1.8 VDC @ 0 TO 1 AMP AND 2.5 TO 8.6 VDC @ 0 TO 1 AMP. B1 & B2: 22.5 TO 150 VDC @ 0 TO 100 MA. B3: 0 TO 22.5 VDC @ 0 TO 1 MA. INCLD. INPUT CABLE AND OUTPUT CABLES FOR PRC-6; PRC-8,9,10; SCR-510, 610; AND BC-1000 SIZE: 25x11x14; WT: 150 LBS. UNBUD \$49.50

AN/FGC-5 TELEGRAPH



CV 94/FGC-5 TELEGRAPH CODE CONVERTER, RECEIVING GROUP ACCEPTS THE SIGNAL CODE COMBINATION, MOMENTARILY STORES AND GENERATES THE PROPER SIGNAL TO BE SENT ON TO THE START-STOP CIRCUIT, INCLUDES 6 INPUT SIGNAL LAMPS, MONITOR SELECTOR, OUTPUT JACKS FOR MONITOR SCOPE TRIGGER AND PRINTER, 3 1/2" METER 100-0-100 MA DC W/TUBES 9/12AU7, 3/12AT7 & 13/5663 & MERCURY RELAY. RACK MTG. 19x7x13; WT: 22 LBS. USED \$14.95



0-100/FGC-5 SIGNAL DISTRIBUTOR DRIVE RECEIVING SUPPLIES DRIVING IMPULSES TO SIGNAL DISTRIBUTOR RECEIVING SECTION WHICH ARE CRYSTAL CONTROLLED FREQ. OF APPROX. 101.25 KC. W/ START-STOP INTERVAL, FOUR CHANNEL SELECTOR & 3 1/2" CORRECTION METER 5-0-5 0-1 MA MOVEMENT W/TUBES 12/12SN7 & 2/6SJ7 USED \$14.95



C-621/FGC-5 CONTROL MONITOR RECEIVING GROUP DECOUPLES AND AMPLIFIES SIGNAL WITH PROVISION FOR MONITORING W/SPEAKER & 3 1/2" METERS 0-100 MA DC. & 0-1 MA MOVEMENT & SCALE 0-200 FOR READING MULTIPLEX DRIVE AND WPM. W/TUBES 8/6SN7, 1/6SL7, 2/6V6 & 1/2B23. REQUIRES 225 VDC AND 6.3 VAC. USED \$17.95



TT-64/FGC-5 RECEIVING SIGNAL DISTRIBUTOR ACCEPTS THE AMPLIFIED MULTIPLEX SIGNAL FROM THE CONTROL MONITOR, DETECTS THE PATTERN, INVERTS TO NORMAL AND SENDS PRDPER CODE COMBINATIONS TO CONVERTERS. W/TUBES 12/12AU7, 4/12AT7, 10/5663, 2 PUSH SWITCHES FOR IMPULSE & CHANNEL PHASING & MONITOR SELECTOR. RACK MTG. 19x7x13; 22LBS, USED \$12.95



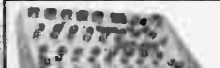
CV-81/FGC-5 TELEGRAPH CODE CONVERTER TRANS. CIRCUITS FOR ACCEPTING & DETECTING START-STOP SIGNALS FROM 1 CIRCUIT STORING THE FIVE ELEMENT CODE COMBINATIONS AND TRANSFERRING THE STORED SIGNALS TO POSITIONS ARE USED BY THE TRANS. SIG. DIST. IN THE MULTI. CIR. WESTON 301 DC MA, 100-0-100, 30 TUBES, 19/5663, 5/12AT7, 5/12AU7 & 1/3B23. VOLTAGE REQ. 6.3 VAC. 115 & 225 VDC. SIZE: 19x7x13; WT: 23 LBS. USED \$14.95



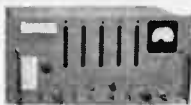
0-101/FGC-5 SIGNAL DISTRIBUTOR DRIVE TRANSMITTER GROUP SUPPLIES TIMED DRIVING IMPULSES TO THE TRANSMITTER DISTRIBUTOR, CRYSTAL OSCILLATOR 101.25 KC IN OVEN, AMPLIFIER CIRCUIT USES TUBES 6/6SN7, 1/6SJ7; 7 POSITION SWITCH FOR FREQ. & FAC. SEL. VOLT. REQ. 6.3 AC. 115 & 225 VDC. 19x7x13; 15 LBS. USED \$9.95



C-620/FGC-5 CONTROL MONITORING TRANS. GROUP AMPLIFIES SIGNALS FROM TRANS. SIG. DIST., COUPLES OUTPUT TO MULTIPLEX TRANS. CIR. NECESSARY CONTROL SWITCHES & LIGHTS TO DO THIS, ALSO WESTON METERS 301, 3 1/2" 0-100 MA DC. AND MULTIPLEX DRIVE FREQ. METER CALB. CYC. PER SEC. 60 & 75 WPM. 0-1 MA DC. BASIC. FS. W/TUBES 5/6SN7, 2/6V6, VOLTAGE REQ. 6.3 VAC, 115 VDC & 225 VDC. W/SCHEMATIC. 19x7x13; WT: 23 LBS. USED \$17.95



TT-58/FGC-5 TRANSMITTER SIGNAL DISTRIBUTOR CONTAINS CIRCUITS WHICH FORM THE MULTIPLEX TELEGRAPH SIGNAL, THE PATTERN BEING DETERMINED BY THE CODE SIGNALS SET UP IN THE PARTICULAR TEL. CODE CONVERTERS IN USE. IT CONTAINS A CRYSTAL OSCILLATOR, SUBDIVIDED, AMP. CIR., IND. LAMP AND SW. TO CONNECT CONTROL MONITOR FOR OSCILLOSCOPE VIEWING. WITH TUBES 19/12AT7 & 10/5663. VOLTAGES REQ. 6.3 VAC., 115 & 225 VDC. 19x7x13; WT: 15 LBS. USED \$14.95



FR-67/U FREQUENCY METER & ELECTRONIC COUNTER. GENERAL PURPOSE HIGH SPEED COUNTER WITH A ACCURATE TIME BASE THAT WILL AUTOMATICALLY COUNT AND DISPLAY THE NUMBER OF EVENTS THAT OCCUR DURING A PRECISE TIME INTERVAL. RESULTS ARE PRESENTED IN DIGITAL FORM. OPERATION MAY BE AUTOMATIC OR MANUAL. COUNTING RATE RANGE 20 TO 100,000 EV PER. SEC. CRYSTAL FREQ. 100 KC. PER. SEC. DISPLAY TIME CONT. VAR. 1 TO 5 SEC. TIME BASE .1 1 AND 10 SEC. ACCURACY - 1 EVENT. POWER REQ. 115 V. 50/60 CYC. RACK MTG. SIZE: 19x10x15; WT: 75 LBS. PRICE: USED SERVICEABLE.... \$85.00



UNIVERSAL E/PUT-TIMER BECKMAN, BERKLEY 7360 DC-1 MHZ FREQ. RANGE, 1 USEC TO 10 SEC TIME BASE, ALSO MEASURES PERIOD, RATIO, TIME INTERVAL. RACK MTG. IN CABINET. \$100.00

BECKMAN 5426	PRESET COUNTER 6 DECADES	\$95.
BECKMAN 554	EPUT METER	5 "
BECKMAN 7150	"	6 "
HP	521C ELECTRONIC COUNTER 5 DEC.	\$150.

ALL ABOVE UNITS ARE SOLD AS USED SERVICEABLE

LOOK, LOOK, LOOK

TEL-INSTRUMENT TYPE 1900 MULTI-FREQUENCY GENERATOR 10 CHANNEL CRYSTAL CONTROL, 400 CPS MODULATED, FOR ALIGNING T.V. RECEIVERS WITH I.F. OF 14 TO 40 MC. POWER REQ. 115 V. 60 CYC SIZE: 12 1/2x9 1/2x8; WT: 25 LBS. SERVICEABLE \$35.00

TEL-INSTRUMENT TYPE 1500 WOBBLULATOR USED FOR ALIGNMENT OF BROAD BAND I.F. IN T.V. RADAR AND F.M. RECEIVERS. FREQ NOW SET 21 TO 47 MC. R.F. OUTPUT ADJ. LESS THAN 100 MIC. V. TO 1 V SIZE: 7x12x14; WT: 25 LBS. SERVICEABLE \$45.00

TEL-INSTRUMENT 1902 AM/FM GENERATOR U \$40.00

1900 WOBBLULATOR USED

FOR T.V. RECEIVERS CHANNELS 2 TO 13 U \$35.00

TEL-INSTRUMENT T.V. WOBBLATORS

#1211 FOR U.H.F. #1212 FOR V.H.F. EA. L. \$501

BOONTON V.T.V.M. # 62 U \$35.00

BOONTON F.M. SIGNAL GENERATOR #78 U \$30.00

FERRIS 22A SIG. GENERATOR 85KC TO 23MC \$45.00

FERRIS 20A1 MICROVOLTER U \$40.00

SCOPE ACCESSORY



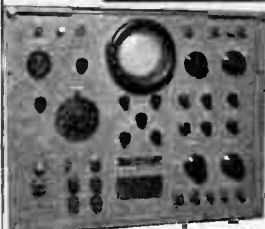
TS-433/U SQUARE WAVE GENERATOR-SIGNAL AMPLIFIER AND ELECTRONIC SWITCH.

THE ELECTRONIC SWITCH MAKES POSSIBLE THE SIMULTANEOUS OBSERVATION OF TWO RECURRENT PATTERNS ON THE SCREEN OF A CATHODE RAY OSCILLOSCOPE BY PROVIDING 2 INDEPENDENT TIME BASES. DIRECT COMPARISONS OF AMPLITUDES, WAVEFORMS, FREQUENCIES AND PHASE RELATIONSHIPS MAY BE OBSERVED...A SQUARE WAVE VOLTAGE OF VARIABLE FREQ. AND AMPLITUDE IS AVAILABLE AT THE OUTPUT TERMINALS FOR USE AS A TEST SIGNAL IN STUDING THE TRANSMISSION CHARACTERISTICS OF VACUUM TUBE AMPLIFIERS OR OTHER CIRCUITS... DIRECT COUPLED AMPLIFIERS ARE DESIGNED FOR "CHOPPING" A DC SIGNAL MAKING IT SUITABLE FOR TRANSMISSION THROUGH THE AC AMPLIFIERS WHICH USUALLY ARE FOUND IN OSCILLOSCOPES. SWITCHING RATE CONT. VAR. 10 TO 2000 TPS... Sq. W. GEN. CONT. VAR. 10-500 CPS. AMPL. CONT. VAR. TO AT LEAST 30 V. P TO P... SIG. AMPL. FREQ. RESP. UNIFORM 0 TO 5000 CPS. INPUT IMP. 100,000 OHMS, OUTPUT IMP. 50,000. POWER REQ. 115/230 V. 50/60 CYCLE. SIZE: 15 1/2x13 1/2x18; WT: 20 LBS. USED \$24.95 PRICES, SERVICEABLE NOT CHECKED UNUSED \$32.95



PP-484/FGC-5 VOLTAGE REGULATED POWER SUPPLY OPERATES FROM 115/230 VOLT 50/60 CYCLE 1 PH. OUTPUT 115 VDC 100MA, 225VDC 550 MA.; 4/6.3 VAC 12 AMP. -6.3V BIA. WESTON 301 METERS 3 1/2" 0-10 VAC; 0-200 VDC & 0-500 VDC; W/TUBES 2/3B28, 2/2050, 2/12AU7, 6Y6 & 5U4. ALSO 2 AC OUTLETS ON FRONT PANEL. 19x11 1/2x20; WT: 150 LBS. USED \$29.95

OSCILLOSCOPES



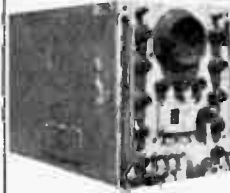
USM-24 OSCILLOSCOPE WITH 3JP1 C.R. TUBE. SINE WAVE RESPONSE, FLAT WITHIN -3DB FROM 2 CYC TO 8 MC. TRANSIENTS RESPONSE .04 MIC ROSEC. RISE, POLARITY POSITIVE UPWARD AND NEGATIVE DOWNWARD DEFLECTION, RECURRENT SWEEP 80CYC PER. SEC. TO 600 KC., TRIGGERED SENSITIVITY .035, HORIZ. DEFLEC. 4.0V, HORIZ. RESPONSE .5 CYC PER SEC. TO 700 KC. VERT. RESPONSE 4 CYC PS. TO 10MC. BEAM MOD. RESPONSE 50 CYC PS. TO 10 MC. HORIZ. INPUT IMP. 300,000 OHMS, BEAM MOD. INPUT RESISTANCE. 56,000 OHME SIGNAL AMPLIFICATION IS UNIFORM OVER A WIDE FREQ. RANGE. A CALIBRATING GENERATOR FOR ACCURATE MEASURE. OF INSTANT. VALUES OF SIGNAL, WITH CHOICE OF 5 TIME MARKERS. ALL OPERATING CONTROLS AND CONN. ARE ON THE FRONT PANEL. INPUT AND OUTPUT CONNECTIONS USE RCN CONNECTORS. POWER REQUIRED 115 VOLT 50 TO 1600 CYC. SIZE: 15x17 1/2x16; WT: 55 LBS. SHPG. WT: 65 LBS. PRICES: OS-26/USM-24 CONVERTED BY GOVT TO

PRICES: OS-26/USM-24 USED SERVICEABLE LESS PROBES AND ADAPTERS.... \$65.00 SAME AS ABOVE CHECKED, OPER. \$85.00
PROBES (7) CG883/USM-24; (1) CG944/AP \$5. EA. ADAPTERS UG924, UG255, UG 74, UG273 \$1 EA.

OSCILLOSCOPE

OS-25/G OSCILLOSCOPE

TRIGGERED SWEEP 5 MICROSECOND TO .05 SECOND CONTINUOUS, 5 MICROSECOND TIMING PIP CONTROLS, CALIBRATION; ONE VOLT PEAK TO PEAK ADJUSTABLE, SYNC. MULTIPLEXER AND DE-MULTIPLEXER. PART OF AN/FGC-13 MULTIPLEX TEST SET. WITH 5CP1 CATHODE RAY 5" TUBE PLUS 30 OTHER TUBES; 2/5R4, 2/2X2, 1/6AS7, 9/6AG7, 3/6AL5, 2/6AU6, 4/12AT7, 2/6AQ5, 2/6AG5, 1/0A2 AND 2/6X4. POWER REQ. 115 VOLT 60 CYC. SIZE: RACK MTG 19x12 1/2x20; WT: 85 SHPG. PRICE: USED SERVICEABLE \$49.95 CHECKED \$65



OS-4/USM-25 OSCILLOSCOPE GENERAL PURPOSE UNIT DESIGNED TO PORTRAY A LUMINOUS PLOT OF VOLTAGE AGAINST A TIME BASE. SERVES AS A AUX. RANGING UNIT, PRECISION TEST OSCILLOSCOPE AND CALIBRATOR CAN BE USED WITH RADAR SYSTEMS TO INCREASE THE

ACC. IV RANGING, EXTEND THE RANGE SCALE AND PROVIDE ACC. CRYSTAL CONTROL MARKERS ALSO EXPANDED, DELAYED OR UNDELAYED SWEEPS. VIDEO AMP. SENS. MIN. .5 V PK-PK W/CRY. PROBE 5.0 V. DIR. TO VERT. DEF. 43 TO 52 VOLTS. FREQ. RESPONSE AMPL. 1 DB 50 CPS AND 5 MCPS PULSE RESPONSE RISE TIME LESS THAN .1 MICSEC. DELAY TIME, LESS THAN .2 MICROSEC., INPUT IMPEDANCE AMPL. 1 MEGOHM, SYNCHRONIZING CRYSTAL CONTROL MARKERS 10 MICROSEC. AND 50 MICRO SEC. INTERNAL IMP. 56 OHMS., SIGNAL DELAY TIME .60 SEC. WITH TUBES 3JP1 CR AND 22 OTHER TUBES. POWER REQ. 115 V. 50 TO 1000 CYCLES. SIZE: 11 1/2x17 1/2x9; WT: 40 LBS. PRICE: USED SERVICEABLE \$39.95 CHECKED \$55.00

AUDIO TEST SET

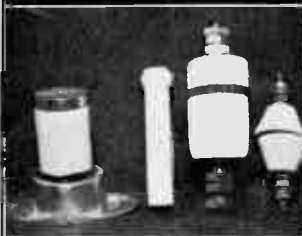
TS-762 AUDIO TEST SET: USED WITH THE TCC-13 MICROWAVE MULTIPLEXER RADIO RELAY NETWORK. MEASURES DISTORTION @ 1000 CYCLES AND FIA @ 1000 CYCLES



METER READS DB -20 TO +3, 600 OHM INPUT AND OUTPUT JACKS WITH ATTENUATORS FOR RECEIVE DBM #10 TO -60 AND SEND +10 TO -35 ALSO MONITORING JACKS, PUSH BUTTON SWITCHES FOR SEND, RECEIVE, DISTORTION AND FIA METER READINGS. WITH TUBES 1/5R4, 1/0A2, 5/12AT7 AND 2/6AG5. POWER REQ. 115 VOLT 60 CYCLE. RACK MOUNTING 19 1/2x7 1/2x14; WT: 30 LBS. PRICE: USED SERVICEABLE EXCELLENT \$39.95

CONNECTOR PLUGS TO FIT INDIVIDUAL UNITS...\$1.50 EACH PLUG

INSULATORS



STAND-OFF
STK#TM-1016SO; DIA. 1 1/2", 4" LONG, 1/2-20 THREAD, 3/8" MTG. 2 LB. PRICE: \$3.50
STK.#3G1300-8002; DIA. 1" 5" LONG, 1/2-20 THREAD, 3/8" DEEP. 1LB. \$2.50

STK.#3G1300-128; 1 1/2" DIA, 8" LONG, 1/2-20 THREAD, 3/8" DP. 2 1/2" IN. MTG. 1 LB. \$3.50

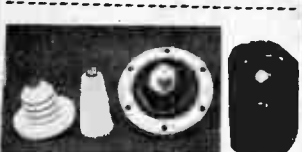
STK.#INS.1014; FEED-THRU 4" LONG 1/2" HOLE, 7/8 DIA. WITH NECK. PRICE: 25¢

STK.#3G2001-6 FEED-THRU 6" IN. 1/2" HOLE, 9/16 DIA. NO NECK. PRICE: 35¢

STK.#INS.#1015; FEED-THRU BRASS BOLT 6 1/2" LONG X 1/2" W/NUTS, SPLIT INSULATOR FOR 1/2" THICK MOUNTING WITH CORK WASHERS, OVERALL LGTH 3 1/2"x2, WT: 2LB. \$2.50

STK.#3G584 1N-84 FEED-THRU CONICAL SHAPE, 5" LG. O/A; 2 CONICAL SHAPED 1-1/8 LG. X 1 1/2 DIA. AT BOTTOM, 1" AT TOP, 1/4" DIA. ROD WITH 1/4 20 THREAD WITH NUTS, WASHERS 1/2 LB. 25¢ EA. 5 FOR \$1.00

SIMILAR TO ABOVE CONICAL BOTTOM INS. 3/4x3/4x1 1/2; TOP 1/2x1-1/8x1 1/2; 3/16 BOLT 3" LG W/NUTS & WASHERS. 1/4 LB. 35¢ EA. 3 FOR \$1.00
STK#IN-1017



3G138-20.11 RIDGED CONICAL 2" BASE, 3" TOP, 1 1/2" LONG, PUSH SPRING TYPE BINDING POST ON TOP, WHICH CAN BE REMOVED AND BOLT INSERTED. 1/2 LB. 35¢ 3 FOR \$1.00

#1N-70 STRAIN INSULATOR; CYLINDRICAL WITH FOUR 1 1/2" RIBS. 7/16" HOLE. 2 1/2"x1 1/2" DIA \$.35 EA. 3 FOR \$1.00

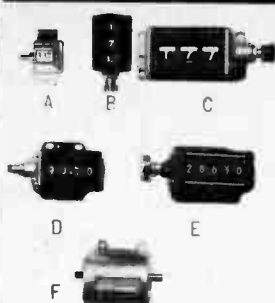
STK.#CBJ61023 ENTERING INSULATOR, CERAMIC 2 1/2"x2, CADMIUM PLATED MOUNTING RING 3 1/2" WITH 6 MOUNTING HOLES, GASKET, 4" 1/4-20 THREAD BRASS BOLT WITH NUTS. 1/2 LB 39¢ EACH 3 FOR \$1.00

SPREADER INSULATORS
#1N-1020; 4" LGX3/4 DIA 2 1/2" HOLE CENTERS. 25¢ EA. 5/\$1
#1N-1021; 12" LGX3/4, 10" HOLE CENT. 45¢ 3 FOR \$1.25

ART-13 TRANSMITTED ANTENNA INSULATOR PANEL; 1 EA. 3 1/2"x4 OBLONG WITH 2 ISOLATED SPRING TYPE BINDING POST, ONE/1/2 CONICAL INS. WITH PUSH POST AND ONE 1/2x3/4 INS. W/PUSH TYPE BINDING POST. 1LB COMPLETE ASSY. \$1.00

3G1830-67076 ENTERING INSULATOR, BOWL 4-3/8" HIGH, 6-15/16 AT BASE, 1 1/2" ROD 3/8 BRASS WITH NUTS, MOUNTING RING 3 SEC. 8-3/4" DIA. W/6 HALF INCH NUTS & BOLTS 1 1/2" LG., BELL CAP 6" DIA. 10 LBS. \$5 EA. 3 FOR \$12.00

COUNTERS



A. 3 DIGIT COUNTER. 1/8" SHAFT. EACH NUMERAL 1/8 IN. SIZE: 1 1/2"x1 1/2". STK#CBSH334 \$.75

B. 3 DIGIT COUNTER. FOR VERTICAL MOUNTING. 3/8 IN. GEAR ON SHAFT. EACH NUMERAL 1/8". 1 1/2"x1-1/8 STK#CBSH173 \$.79

C. 3 DIGIT COUNTER WITH BEVELED GEAR 2 1/2"x1 1/2". NUMERALS 1 1/2" IN. STK#CBSH177 \$1.00

D. 3 DIGIT COUNTER W/DIGITS 10THS, ONES, TENS. 100 THS DIGIT REMAINS 0. 1/8" IN. NUMERALS. 2 1/2"x1 1/2" STK#CBSH9030 \$.75

G. THREE DIGIT COUNTER WITH BEVEL GEAR OPEN FRAME BACK, LEFT DRIVE. SIZE 1x3/4x3/4, MTG. MASK 1 1/2"x1. STK#G32163 \$.50

F. 5 DIGIT COUNTER W/3/16 IN SHAFT EXTENDING 1/2" AT EACH END. 99999-0 DESCENDING ONLY. 1/8" NUMERALS. 1 1/2"x1 1/2" STK#CBSH00000 \$1.00

3 DIGIT COUNTER, VEEDER MFG. 1/2" DIA. GEAR SHAFT; 1/2" DIA. EXTERIOR SHAFT TO 1/2". OVER-UNDER MOUNTING. 2 1/2"x1 1/2"x1 1/2". RC-1323 COUNTER \$2.95

TELEPHONE JACK STRIPS

#4C4426-14 TWENTY JACKS 3 CONDUCTOR CONTACT ARRANGEMENT J-2. KEL#261 \$2.80

#4C4322-25 TEN JACKS 3 CONDUCTOR CONTACT ARRANGEMENT J-2-1A; \$1.95

#4C4426.11 TWENTY JACKS 3 CONDUCTOR CONTACT ARRANGEMENT J-2, NUMBERED 0-19 \$2.50

#4C4436.92-2 TWENTY JACKS 3 CONDUCTOR CONTACT ARRANGEMENT J2, NUMBERED 20-39. KELLOG #369 \$2.50

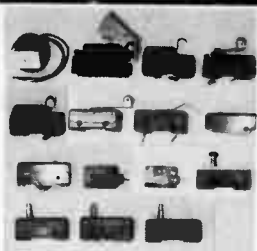
#4C4692.2 TEN JACKS 3 CONDUCTOR CONTACT ARRANGEMENT J2 WECO#92 TYPE139 \$1.95

SW-118 SWITCH ASSY SPST, ONE SIDE HOLDING ON; OTHER SIDE MOMENTARY ON CENTER OFF. SWITCH SIZE: 1 1/2"x1, CASE SIZE: 2 1/2"x1 \$.35 EA 3/\$1.00



THUMB-IT WHEEL WAFER SWITCHES NUMBERED 1 TO 10 CAN BE USED SINGLY OR IN BANKS. EACH SECTION SIZE 2 1/2"x2 1/2", PRICE EACH SECT. 65¢ BANK OF FIVE AS ILLUSTRATED NOT AVAILABLE

MICRO SWITCHES



SPDT; IEA2, ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. PIN PLUNGER. 1 1/2" DIA. 1 3/8" HIGH. .30

SPDT; 3Z-3R244T4; ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. PIN PLUNGER; 2 1/2"x1 1/2"x5/8". .30

SPST; WHBT349A-1, NORMALLY OPEN. LEVER PLUNGER. 2"x1 1/2"x5/8". .30

SPDT; BZ-2R; ONE SIDE NORMALLY, OTHER CLOSED; PUSH PLUNGER ASSY. W/MOUNT. 2 1/2"x1 1/2" .50

SPST; WZ-RQ41; NORMALLY OPEN; PUSH PLUNGER W/MOUNT. 2 1/2"x1 1/2" .45

DPDT; MS25008, ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. EXTENDED BUTTON PLUNGER. 2 1/2"x2"x1" \$1.50

SPDT; YZ-3RLTC2, ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. STRAIGHT LEVER PLUNGER. 2"x7/8"x1 1/16". .25

SPDT; WHBT349B-1; ONE SIDE NORM. OPEN, OTHER CLOSED. LEVER PLUNGER 2 1/2"x1 1/2" .30

SPST; MU SWITCH TYPE D; SPLIT DIE CAST ENCLOSURE 1/2" DIA CONDUIT HUB; 1/8.5A 125/250V. PUSH PLUNGER; 2 1/2"x2 1/2" .75

SPDT; 2MD3-1A, ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. PIN PLUNGER. 1 5/8"x1 1/2"x1 1/2" .45

SPST; 2MC3-1A, NORMALLY CLOSED. PIN PLUNGER. 1 5/8"x1 1/2"x1 1/2" .45

SPST; SW-186, NORMALLY CLOSED. EXTENDED PIN PLUNGER. 2 1/2"x1 1/2"x5/8". .25

SPST; G-RS, NORMALLY OPEN. EXTENDED PIN PLUNGER. 2"x1 1/2"x5/8". .40

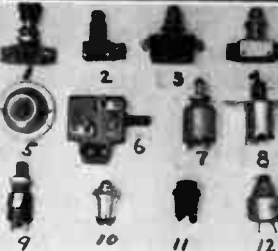
SPST; M07-102T, NORMALLY OPEN. EXTENDED PIN PLUNGER. 2 1/2"x1 1/2"x5/8". .40

SPST; WZ-RS9, NORMALLY CLOSED. EXTENDED PIN PLUNGER. 2 1/2"x1 1/2"x5/8". .40

THUMB-IT WHEEL WAFER SWITCHES NUMBERED 1 TO 10 CAN BE USED SINGLY OR IN BANKS. EACH SECTION SIZE 2 1/2"x2 1/2", PRICE EACH SECT. 65¢ BANK OF FIVE AS ILLUSTRATED NOT AVAILABLE

CHAFF DISPENSER CONTROL BOX AND 24 VDC 5 DIGIT DECLINING COUNTER 2 DIGITS AT A TIME ALSO 12 POSITION WAFER SWITCH. LESS DIAL LAMPS \$ TOGGLE SWITCH. 6x4x3; 2LBS. \$1.95

PUSH SWITCHES



PUSH SWITCH WITH TWO SPDT MINIATURE MICRO SWITCHES, ONE SIDE NORM. OPEN, OTHER CLOSED; SCREW CAP COVERS PUSH BUTTON. #2PB1 .75

SPST NORMALLY OPEN; 3A/250. PSW002 .35

SPST NORMALLY OPEN; 1A/250. PSW004 .35

SPST GOLD-FINISHED DOORBELL NORMALLY OPEN; 1 5/8" DIA. HARDWARE INCLUDED. PSW005 .35

JPST INTERLOCK, NORMALLY OPEN. (3Z9825/254) PSW006 .35

SPST PULL SWITCH, NORMALLY OPEN. PSW007 .35

SPST NORMALLY CLOSED; CASE-ING AS GROUND; 1/2" SCREWS REQUIRED FOR MOUNT. PSW008 .35

SPST, NORM. OPEN, FITS 3/8" HOLE. PSW1323 .35

SPST NORMALLY OPEN. PSW1010 .35

SPST NORMALLY OPEN. PUSH-IN MOUNT REQUIRES 5/8" HOLE. PSW011 .25

SPST, NORM. OPEN, FITS 5/8" HOLE. J-3-PB .39

DPDT PUSH-LEVER SWITCH. PSW013 .50

DPST PUSH-LEVER SWITCH. NORMALLY OPEN. PSW014 .50

DPST NORMALLY OPEN. PSW015 .50

FIVE-PUSH SWITCH 2PST NORM. CL. 1PST NORM. OP. 1PDT. 5x3x1 #PSW5022 \$1.00

SIX-PUSH SWITCH; FIVE ARE SPST NORMALLY OPEN, THE OTHER DPST AND DPDT ON THE OPPOSITE SIDE. 4 1/2"x2 1/2" PSW017 \$1.00

SPST PUSH-LEVER SWITCH. 3 5/8"x1 1/2"x1 1/2". PSW022 .35

SPST NORMALLY CLOSED MICROPHONE SWITCH. COVER AS GROUND, WITH MOUNT. PSW019 .75

SPST NORMALLY OPEN START-STOP DOUBLE SWITCH. #401. PSW020 \$1.00

DPST, MICRO SW. NORM. CLOSE PUSH PLUNGER W/SIDE MOUNT; 1 1/2"x1 1/2"x1 1/2" CRI1070C103 .50

SWITCHES



AIRCRAFT TYPE SWITCH TWO HOLE MOUNTING FIG. #1

CIR	CON	RATING	NO	PR
SPST	NEW	5A/125	B-5A	.25
SPDT	NEW	15/125	B-9-A	.35

(ABOVE SW. CENTER-OFF)

SPDT	REM	15/125	3022-7	.35
SPDT	NEW	15/125	B-1B	.30
DPST	NEW	30/125	C-1	.40
DPDT	NEW	20/125	3023-10	.55

SPDT REM 5/125 B-7A .55 (CENTER-OFF, MOM. ONE SIDE)

TOGGLE SWITCHES

TOGGLE SWITCHES SINGLE HOLE MOUNTINGS: CONDITION NEW & "REM" RE-MOVED FROM EQUIPMENT, ALL GUARANTEED.

CIR	CON	RATING	NO	PR
SPST	REM	6A/125	SW-105	.20
DPDT	REM	15/125	ST-52R	.35

(MOMENTARY, NO OFF POS.)

DPST	NEW	10/250	8829K4	.50
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(ABOVE SW. MOMENTARY)

DPST	NEW	3A/125	CH7590	.35
DPST	REM	15/125	ST50-K	.45
DPST	REM	5A/125	8822K1	.35
DPST	REM	10/250	CH3545	.40
DPDT	REM	3A/125	SW3125	.20
DPDT	REM	6A/125	SW6125	.30
DPDT	REM	5A/125	ST22R	.35
DPDT	REM	15/125	ST52P	.40

(CENTER OFF)

DPDT	REM	15/125	ST52N	.35
3PST	NEW	15/125	SW3115	1.00
4PST	REM	10/125	7661K5	1.00
SPST	REM	6/125	8817K2	.35

(MOMENTARY)

DPDT	NEW	5A/125	SW5125	.65
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(ABOVE SW. CENTER-OFF; HOLE MOUNTING 1/2" DIA.)

3PST	NEW	15/125	SW3115	1.25
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(ABOVE SW. MOUNTED ON "ON-OFF" PLATE 2"x2 7/8"; FOUR 1/8" SCREWS REQUIRED)

DPDT	REM	15/125	ST52P	.50
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(ABOVE SW. CENTER-OFF; IRON CASE MOUNT FOR LINEAR OPERATION 2 1/2"x1 1/2"x1 1/2")

DPDT	NEW	15/125	BARKELEW	\$2.50
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(ABOVE SW. MEASURES 5 1/2"x6 1/2"x 1 1/2"; FOUR SCREW MOUNTS FOR 1/8" SCREWS)

LEVER SWITCHES



1273 #K-22 #K-1100 RM57416

TELEPHONE TYPE LEVER SWITCH

ONE SIDE: MAKE 11; BREAK 1 OTHER SIDE: MAKE 6 #5930-392-1273 \$.40

4 CIRCUIT EA. SIDE NORMALLY OPEN #3Z9818-9.1 50¢ EA.

1 SIDE 8 BREAK 8 MAKE 4 MAKE OTHER 1 BREAK #SW-BC1323 RE-MOVED 60¢

1 SIDE 2 MAKE OTHER SIDE 2 BREAK 2 MAKE SW-EE-2 35¢

TCK#404 GE#P7763503-2 50¢ 1 SIDE DPDT NC & DPST NO.

PUSH-TO-TEST

PUSH-TO-TEST INDICATORS. DOUBLE LAMP HOLDERS WITH MINIATURE BAYONET BASE. 2 1/2" x 1 1/2" x 3/4". KORRY ST-260 SCREW TERMINALS OR TYPE 260 WITH SOLDER TERMINALS. AVAILABLE WITH THE FOLLOWING INSCRIPTIONS:
 POWER - AIR CONDITIONING-IGNITER - POWER SUPPLIES-ERECTOR - 100% LIQ OXY
 PRICE: \$2.00EA

PUSH-TO-TEST INDICATOR WITH MINIATURE BAYONET SINGLE LAMP HOLDER. 2 1/2" x 1 1/2" x 3/4". KORRY ST-136 SCREW TERMINALS OR TYPE 136 WITH SOLDER TERMINALS. AVAILABLE WITH THE FOLLOWING INSCRIPTIONS:
 LOW - OVERLOAD - MALF. - POWER ON
 PRICE: \$1.25EA

PUSH-TO-TEST INDICATOR WITH MINIATURE SCREW BASE. RED 7/16" DIA. SMOOTH JEWEL. 0" TO 1/2" SURFACE CLEARANCE. REQUIRES 1/16" HOLE TO MOUNT. 1 5/8" LONG. USED.
 VM-500-2 \$.59EA

PUSH-TO-TEST INDICATOR WITH MINIATURE SCREW BASE. 3/8" DIA. CARAMEL-COLOR COVER. 0" TO 1/2" SURFACE CLEARANCE. REQUIRES 1/16" HOLE TO MOUNT. 1 15/16" LONG. NEW.
 6210-617-0946 \$.59EA

PUSH-TO-TEST INDICATOR WITH MINIATURE BAYONET DOUBLE LAMP HOLDER. 2 5/8" x 1 1/16" x 5/8" WITHOUT LAMP COVER. COVERS NOT AVAILABLE. NEW.
 KORRY TYPE 261 WITH SOLDER TERMINALS
 PRICE: \$1.00EA

INDICATOR LIGHT WITH MINIATURE BAYONET DOUBLE LAMP HOLDER. 2 1/2" x 1 1/2" x 3/4". INSCRIBED WITH "CHECK FULL RPM" NEW. KORRY TYPE 204 SOLDER TERMINALS.
 PRICE: \$.75

BULLS EYE PILOT LIGHTS

DULL FINISHED BRASS, BAYONET BASE, AND 0" TO 1/2" SURFACE CLEARANCE. ALL USED. LESS BULBS. PRICE: \$.39EA

B. PILOO1. 7/16" CLEAR JEWEL. SINGLE CONTACT MINIATURE BASE. 2-1/8"x7/8"

D. LH62RY2. 3/8" DIA. AMBER JEWEL. SINGLE CONTACT MINIATURE BASE. 2 1/2"x1"

GRIMES INDICATOR LIGHT WITH ROUND LENS CAP; RED LENS, SUB-MIN. 26V. BULB INCLD. 7/16" THREADED BASE; SINGLE CONTACT. 2 1/2"x1"
 6220-333-5E27 \$.50



PILOT LIGHT JEWELS

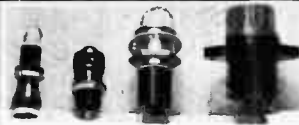
RED, FACETED, 1/2" DIA. JEWEL. SCREWS INTO 1/16" DIA. HOLE OF DESIRED ASSEMBLY.
 TYPE 81 \$.15 EA.

SMOOTH RED JEWEL 1/2" IN DIAMETER. SCREWS INTO A 1/2" ASSEMBLY.
 SERIES F \$.15 EA

LARGE 5/8" FACETED AMBER JEWEL. SLIPS OVER BRACKET 7/8" IN DIAMETER. HAS ALSO MOUNTING HOLES FOR 3/32" SCREWS.
 2Z5368/1 \$.15 EA

3/8" DIA. WHITE SLIP-IN LAMP CAPS FOR SWITCHBOARDS. (NOT PICTURED) SLIPS INTO 3/8" HOLE.
 4C1971 \$.15 EA 100/\$10

SUB-MINIATURE PILOT ASSEMBLY. 5/16" AMBER FACETED JEWEL FIT INTO BRACKET WITH AN OPENING OF 5/16". REQUIRES DOUBLE TERMINAL PLUG-IN OR SOLDER-IN NEON LAMPS. 1" LONG AND 1" HIGH.
 PILO10 \$.15 EA 8/\$1.00

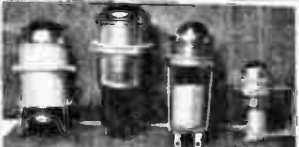


SUB-MINIATURE NEON PILOT LIGHT ASSEMBLY. FLUTED 5/16" DIA. CLEAR JEWEL. BASE IS FEMALE PART FOR A THREE PRONG PLUG WITH 1/16" DIA. HOLES IN ISOSCELES TRIANGLE PATTERN. MOUNTS IN 3/8" HOLE. 0" TO 3/8" SURFACE CLEARANCE. 1 3/8" LONG. INCLUDES BULB. USEC. 110V.
 PILOO7 \$.25 5/\$1.00

SINGLE TERMINAL AND CONTACT SUB-MINIATURE DIMMER PILOT LIGHT. MECHANICAL DIAMETER VARIES SIZE TO COMPLETE DARKNESS. REQUIRES T-1 1/2 BULB. 5/16" DIA. SMOOTH RED JEWEL. MOUNTS IN 7/16" HOLE. 1 3/8" LONG. LESS BULB. NEW.
 6210-643-4087 \$.59

PILOT LIGHT WITH SINGLE CONTACT, MINIATURE BAYONET BASE. CLEAR STOPEPIL, SMOOTH 5/8" DIA. JEWEL. MOUNTS IN 1/16" HOLE. SURFACE CLEARANCE IS 0" TO 3/8 2 1/8" LONG. LESS BULB. USED.
 PILOO8 \$.39

ALL PLASTIC PILOT LIGHT. SINGLE CONTACT, MINIATURE SCREW TYPE BASE. RED FLUTED, COVER-LIKE JEWEL 1/2" IN DIAMETER. NEEDS 1/2" HOLE. SURFACE CLEARANCE OF 0" TO 1/2". THERE IS NO ADJUSTING INSTALLATION DEPTH BY A NUT TWO 3/32" SCREWS ARE NEEDED TO ANCHOR LIGHT. 1 1/2" LONG. LESS BULB. USED.
 PILOO9 \$.39



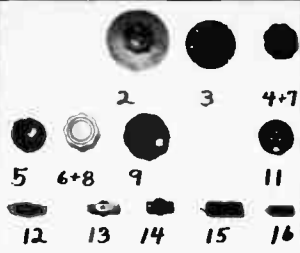
PILOT LIGHT WITH A SINGLE CONTACT, CANDELABRA SCREW BASE. LARGE 1" DIA. RED JEWEL FACETED ONLY AT THE EDGE. REQUIRES 1" HOLE AND HAS SURFACE CLEARANCE OF 0" TO 1/2". 2 3/8" LONG. LESS BULB. UNUSED.
 PILOO2 \$.59

PILOT LIGHT WITH SINGLE CONTACT, CANDELABRA SCREW TYPE BASE. 1" DIA. RED-FACETED JEWEL. MOUNTS IN 1" HOLE WITH SURFACE CLEARANCE OF 0" TO 1/2". 2 1/2" LONG. LESS BULB, UNUSED.
 PILOO3 \$.59

PILOT LIGHT WITH SINGLE CONTACT, MINIATURE BAYONET BASE. 3/8" DIA. SMOOTH, GREEN JEWEL. MOUNTS IN 5/8" HOLE WITH A SURFACE CLEARANCE OF 0" TO 1/2". 2 1/16" LONG. LESS BULB, UNUSED.
 PILOO4 \$.49

PILOT LIGHT WITH SINGLE CONTACT, MINIATURE BAYONET BASE. 1" DIA. RED, WHITE, OR VIOLET JEWEL. 1 5/16" HOLE REQUIRED; SURFACE CLEARANCE 0" TO 5/8". 2 1/2" LONG. LESS BULB, USED.
 PILO12 \$.35 3/\$1.00

PILOT LIGHT WITH SINGLE CONTACT, MINIATURE BAYONET BASE. 1" DIA. SMOOTH, GREEN JEWEL. MOUNTS IN 1 5/16" HOLE WITH A SURFACE CLEARANCE OF 0" TO 1/2". 2 3/8" LONG. LESS BULB, UNUSED.
 PILO13 \$.49



FLUTED KNOBS

2-3/8" FLUTED KNOB W/3" SK RT. BRASS INSERT FOR 1/2" SHAFT GR#9682 \$1.00
 2-3/8" FLUTED KNOB W/2-7/8 SEMI SKIRT. INSERT FOR 1/2" SHAFT. GR#9566 \$1.00

1 1/2" DIA. FLUTED KNOB WITH REMOVABLE 3" DIAL WITH MARKING 34L-0-34R. BRASS INSERT FOR 3/16" DIA. SHAFT.
 KNBNOO2 \$.25

1" DIA. FLUTED KNOB WITH 2 1/2" NON-LINEAR CALIBRATED DIA. BRASS INSERT WITH 1/2" DIA. HOLE.
 KNB003 \$.25

1 1/2" DIA. FLUTED KNOB WITH POINTER, BRASS INSERT FOR 1/2" SHAFT.
 KNBNOO4 EA \$.25, 5/\$1.00

1 1/2" DIA. FLUTED KNOB WITH SKIRT AND POINTER. BRASS INSERT FOR 1/2" SHAFT.
 KNBNOO5 \$.25

1 1/2" FLUTED KNOB WITH BRASS INSERT FOR 1/2" SHAFT.
 KNBNOO6 \$.25

1" DIA. FLUTED KNOB WITH POINTER, BRASS INSERT FOR 1/2" SHAFT.
 KNBNOO7 \$.25

1" DIA. FLUTED KNOB WITH BRASS INSERT FOR 1/2" SHAFT.
 KNBNOO8 \$.25

ALL THE ABOVE KNOBS ARE OF SET SCREW TYPE.

SPIN KNOBS

2" DIA. METAL FLUTED SPIN KNOB FOR 5/32" SHAFT
 KNBNOO9 \$.79

2 1/2" DIA. SPIN KNOB. METAL. TAKES 3/16" SHAFT.
 #3089 NEW \$2.00

METAL SPIN KNOB 1 5/8" DIA. TO BE ATTACHED TO ANOTHER KNOB OR DISK BY THREE SCREW. CONVERTS KNOB TO SPIN KNOB.
 KNBNO11 \$.20

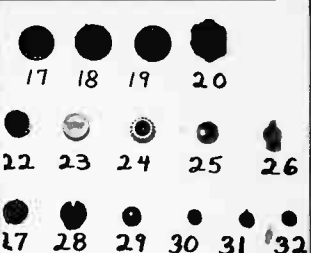
1 1/2" DIA. PLASTIC, FLUTED SPIN KNOB. TAKES 1/2" SHAFT.
 #0389 NEW \$1.25

1-1/8" DIA. PLASTIC FLUTED KNOB WITH LOCKING DEVICE. BRASS INSERT TAKES 5/16" SHAFT.
 #4692 NEW \$1.00

1-5/8" DIA. PLASTIC KNOB WITH 2 1/2" DIA. ALUMINUM SKIRT, CALIBRATED 0 TO 10. BRASS INSERT FOR 1/2" SHAFT.
 #9414 NEW \$1.50

1-1/8" DIA. FLUTED PLASTIC KNOB WITH 1 1/2" DIA. SKIRT. BRASS INSERT FOR 1/2" SHAFT.
 #9347 NEW \$.50

1" DIA. PLASTIC KNOB WITH 1 1/2" DIA. SKIRT. CALIBRATED ALPHABETICALLY A, B, ... Y, Z. SKIRT ALUMINUM. 1" HOLE.
 #E312 NEW \$.5C



BAR TYPE KNOBS

BAR TYPE BAKELITE KNOB FOR 1/2" SHAFT. 1 1/2" x 1 1/2" x 5/8" SET SCREW TYPE.
 KNBNO12 \$.25

BAR TYPE BAKELITE KNOB FOR 1/2" SHAFT WHICH MUST BE TAPED FOR SET SCREW. 1 1/2" x 1 1/2" x 5/8".
 KNBNO13 \$.25

RECTANGULAR BAR TYPE BAKELITE KNOB 1 1/2" x 1 1/2" x 5/8". WITH BRASS INSERT FOR 1/2" SHAFT. SET SCREW TYPE.
 KNBNO14 \$.25

BAR TYPE BAKELITE KNOB WITH POINTER. FOR 1/2" SHAFT TAPED FOR SET SCREW. 2 1/2" x 1 1/2" x 3/4".
 KNBNO15 2/\$.25

BAR TYPE BAKELITE KNOB WITH POINTER. FOR 1/8" SHAFT TAPED FOR SET SCREW. 1 1/2" x 5/8" x 1/2".
 KNBNO16 \$.25

BAKELITE BAR TYPE KNOB 1" x 1 1/2" x 3/4" ON 1/2" REMOVABLE DIAL FOR 1/2" SHAFT. SET SCREW.
 KNBNO17 \$.25

1 1/2" DIA. METAL KNOB FOR 1/2" SHAFT WITH TWO SET SCREWS. FINGER GRIP KNOB FOR HEAVY SWITCHING APPLICATIONS.
 KNBNO18 2/\$.35

1 1/2" DIA. PLASTIC KNOB WITH BRASS INSERT. BAR TYPE FINGER GRIP FOR SWITCHING. USE WITH 1/2" SHAFT.
 KNBNO19 \$.25

1 1/2" BAKELITE KNOB FOR USE WITH 1/2" SHAFT. USED FOR APPLICATIONS WHERE EXTRA GRIP IS REQUIRED. 1 1/2" HIGH.
 KNBNO20 \$.25EA. 5/\$1.00

3/4" RIBBED KNOB 7/8" DEEP. 1" SKIRT F/1/2" SHAFT DULL BLK. KNB7820 35¢

5/8" x 3/4" SAME AS ABOVE BRIGHT BLK. KNB1261 20¢

BAKELITE INSTRUMENT KNOB 1" DIA. 1" HIGH. BRASS INSERT FOR 1/2" SHAFT AND SET SCREW.
 KNBNO22 \$.25

1 1/2" KNOB MARKED "INCREASED OUTPUT". 1/2" HOLE WITH SET SCREW. 1/2" THICK. METAL.
 KNBNO23 \$.25

1 1/2" PUSH-ON KNOB FOR 1/2" SHAFT. W/MODIFICATION, BROWN.
 KNBNO24 2/\$.25

BROWN BAKELITE 1" DIA. KNOB MURLED SHAFT OF 1/2". 1 1/2" HIGH.
 KNBNO25 2/\$.25

BAKELITE POINTER KNOB WITH BRASS INSERT FOR 1/2" SHAFT. 1 1/2" x 1 1/2" x 3/4".
 KNBNO26 \$.25

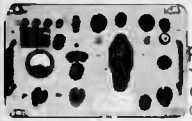
FLUTED KNOB W/POINTER AND SKIRT FITS 1/2" SHAFT. 1 1/8" DIA. 1 1/2" THICK.
 KNBNO27 \$.25

1 1/2" DIA. KNOTCHED KNOB WITH BRASS INSERT FITS 1/2" SHAFT. SET SCREW TYPE. 1 1/2" HIGH.
 KNBNO28 3/\$.25

MINIATURE LAMPS

STK#	TYPE	V.	A.	BASE	BULB	EA.	PKG. 10	
225950	LM-50	2	.25	min sc	G-6	.20	.75	
225950	511.	2	.25	min sc	G-6	.20	.75	
66521	LM-21	110	400	MED. SC	G-30	.50	4.00	
(LM-21 P/O SIGNAL LAMP EQUIPMENT EE-80)								
6240-6594	LM-41	110	6W	CAN SC	#8	.20	1.50	
225877-29		6.8	.25	CAN- SC	G-6	.20	.75	
225878	43	2.5	.5	min bay	T-3 1/2	.20	.75	
387C-775		150		CAN/SC	6S6 CL	.20	1.00	
225954	LM-54	105-125		LEADS	T-2	.20	.75	
624C-155		-7866	356	28	.17 min bay	T-3 1/2	.20	.75
624C-153		-6509	1826	18	.15 min bay	T-3 1/2	.25	1.00
526812-5	LM-45	12-16	.61	CAN/BAY	G-6	.20	.75	
6240-7125	S-14	55	5W	MED SC	S-14	.25	2.00	
DE EVRY494 (RED)		125	25W	CAN SC	T-6	.25	2.00	
225889-11	NE-26	115v.		cand bay	G-6	.35	3.00	
526812-5	LM-44	6-8v.		dc bay	G-6	.20	.75	
PC90615C		12		JIN SC	G-3 1/2	.15	.75	
6240-408		-3394	356/5	115v.	cc bay	T-4 1/2	.25	1.75
		502	5	.15	#4F cell	min sc	.20	.75
626812-6	STANDARD LAMP	12 VOLT	FROSTED			.35	3.00	
225882	PR-10	6	.5	#5D cell	min bay	.20	.75	
		18v.	.11A.	MIN. SC.	T-3 1/2	.20	1.00	
225891	NE-34	105-125	2W	STAND. SC.	G-14	.75	EA.	
(NE-34 STRIKING V. 60 AC TO 350C INT. RES. 3500)								
626827	LM-30	27		I	CAND BAY	T-8	.20	1.00
		NE-2	1/17 amp	2F	slide base	.10	.75	
		4C5491-K1		K1	slide base	.10	.75	

MICROWAVE GENERATOR



TS-147/UP MICROWAVE SIGNAL GENERATOR
PORTABLE UNIT DESIGNED TO TEST AND ADJUST RADAR, BEACON AND MICROWAVE COMMUNICATION SYSTEMS OPERATING IN THE FREQUENCY RANGE OF 8500 TO 9600 MC. PROVIDES EITHER FM OR CW TEST SIGNALS OF KNOWN POWER LEVEL AND FREQUENCY. THIS UNIT CONTAINS A DIRECT READING FREQUENCY METER AND POWER LEVEL METER WITH POWER REFERENCED TO ONE MILLIWATT (DBM). USED TO MEASURE FREQ. AND POWER LEVEL OF THE INPUT AND OUTPUT SIGNALS. SPECTRUM WIDTH, FREQ. CHANGE, RECOVERY TIME AND STANDING WAVE RATIO. CAN ALSO BE MODULATED EXTERNALLY. OPERATES FROM 115 VOLT 50-1600 CYCLES. LESS CABLES, PLUGS, ADAPTER, PICK-UP HORN. SIZE: 11 $\frac{1}{2}$ "x18 $\frac{1}{2}$ "x12 $\frac{1}{2}$ "; WT: 35 LBS.
TS-147A/UP.....\$49.50 USED
TS-147B/UP.....60.00 USED
TS-147D/UP.....75.00 USED



GENERAL RADIO SIGNAL GENERATOR MODEL 1021 250-920 MC
IN ONE BAND, DIRECT READING CALIBRATION 1%, OUTPUT VOLTAGE CONT. ADJ. .5 TO 1 VOLT OPEN CIRCUIT. OUTPUT IMP. 50 OHMS 10%, AMPLITUDE MOD. ADJ. 0-50%, ENV. DIST. LESS THAN 5% AT 50% MOD. CARRIER NOISE LEVEL .2% MOD. STRAY FIELD LEAKAGE AND RESIDUAL OUTPUT VOLTAGE CANNOT BE DETECTED WITH A RECEIVER. 2-3 MV SENSITIVITY. POWER REQUIRED: 115/230 VOLT, 50-60CY. SIZE: 20 $\frac{1}{2}$ "x14 $\frac{1}{2}$ "x10 $\frac{1}{2}$ "; WT: 40 LBS. COND. USED PRICE: \$150.00 CHECKED FOR OPERATION \$25 EX.



GENERAL RADIO STANDARD INDUCTOR #1482H 10 MH -0.1%, RESONANT FREQ. 240 KC, 8.3 OHMS DC RESISTANCE, MILLIAMPERES RMS 200 MW 104, 3 W. 400, SIZE 6 $\frac{3}{8}$ "x6 $\frac{3}{8}$ "x8; WT: 12 LBS. PRICE: \$20.00 UNUSED

TS-170/AM-5 TEST OSCILLATOR
USED FOR PRE-FLIGHT CHECKING OF GLIDE PATH RECEIVERS SENSITIVITY AND AUDIO CHANNELS. CRYSTAL CONTROLLED ON THREE PRESELECTED FREQ. 332.5, 333.8, 335 MC. MODULATION FREQ. 90 & 150 CYC. METER IS 2" 0-1 DC MILLIAMETER. BATTERIES REQUIRED 2/1.5 VDC AND 2/45 VDC. WT: 29 LBS. SIZE: 12x16x12; USED \$18.95



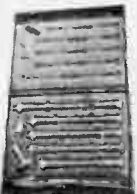
ME-60/U V.T.V.M.



ME-60/U ELECTRONIC MULTIMETER
THIS IS A HIGHLY SENSITIVE VTVM WHICH ACCURATELY MEASURES AC VOLTAGES FROM 500 MICROVOLTS TO 500 VOLTS IN SIX RANGES OVER THE FREQ. RANGE OF 15 CYCLES TO 250 KC PER SEC. THE DECIBEL RANGE IS -5 TO +17, A JACK IS PROVIDED TO INSERT PHONE PLUG SO UNIT CAN BE USED AS A FLAT WIDE-BAND AMPLIFIER. MAX. VOLT GAIN APPROX. 4500, RECT. APPROX. 250 VDC. TUBES 5879, 5721, 0A2, 2A12 & 2/6AH6, VOLTAGE REQ. 117 V. 50-400 CYCLE. ACCURACY 3%
SIZE: 5 $\frac{1}{2}$ "x6 $\frac{1}{2}$ "x11 $\frac{1}{2}$ "; WT: 12 LBS. USED \$29.95

ATTENUATORS

MX-1309/URM-23 POWER MEASURING KIT OF WAVEGUIDE ATTENUATORS
ADAPTER, BALOMETER, CABLE & CHART, 1000 TO 4000 MC.
ATTENUATOR CN-110/U 10 DB
" CN-111/U 20 DB(2pc)
" CN-168/U 3 DB
" CN-169/U 6 DB
RF BALOMETER DT-76/U, "N" CON
ADAPTER CONN. UG-402/U
COAXIAL CABLE CG-92B/U w/UG-21 EA. END.
METAL CARRYING CASE, FITTED, SIZE: 19x5 $\frac{1}{2}$ "x14; WT: 32 LBS. COMPLETE SET \$18.95



BC-221

FREQUENCY METER



THIS IS A SIMPLE ACCURATE AND RELIABLE CRYSTAL CALIBRATED FREQUENCY INDICATING INSTRUMENT FOR USE IN THE 125 TO 20,000 KC RANGE, WITH A NORMAL OPERATING ACCURACY OF LESS THAN .02%. CAN ALSO BE USED AS A SIGNAL GENERATOR OR VARIABLE FREQ. OSCILLATOR.

OPERATING VOLTAGE REQUIRED FOR DRY CELL OPERATION 6 VDC .9 AMP. & 135 VDC 20 MA.
SIZE: 10x13 $\frac{1}{2}$ "x10; WT: 25 LBS.
UNITS MAY BE IN WOOD OR METAL CASES. VARIOUS LETTERS, COMPLETE WITH TUBES, CRYSTAL, ORIGINAL CALIBRATION BOOK. USED SERVICEABLE \$65.
PRICE: USED CHECKED FOR OPERATION \$75.00
BC-221 CHKD. WITH MODULATION 95.00
BC-221 FREQUENCY METER LESS CALIBRATION BOOK NOT CHECKED FOR OPERATION, OTHERWISE COMPLETE PRICE: \$45.00

CALIBRATOR



TS-102B/AP CALIBRATOR
RANGE CALIBRATOR PORTABLE PULSE GENERATOR WITH REPESSION FREQ. OF 400, 800, 1600, 2000, & 4000, MARKER AND SYNCHRONIZING PULSE, VARIABLE DELAY LINE PHASE ADJUSTMENT. OPERATES FROM 115 V. 50-1000 CYCLES WITH TUBES 2/6X4W, 3/6AG7, 6/5814, 2/UG273/U CONN. 4 CABLES w/UG-88B/U. SIZE: 16x10x11; WT: 28 LBS.
PRICE: UNUSED \$14.95

LORAN TEST SET



TS-251 LORAN TEST SET
PORTABLE SIGNAL GENERATOR USED IN PRE-FLIGHT AND SHIPBOARD CHECKING OF LONG RANGE LORAN RECEIVERS. FREQUENCY RANGE 1700 TO 2010 KC PULSE SIGNAL. WITH TUBE 6J5, 6SJ7, 6XK7, 6SL7, 6X5 AND 6SN7. POWER REQ. 80/115/230 V. 50-1600CY
SIZE: 7 $\frac{1}{2}$ "x11 $\frac{1}{2}$ "x10 $\frac{1}{2}$ "; WT: 30 LBS.
PRICE: USED SERVICEABLE \$50.00 CHECKED \$60.

DIODE CRYSTAL CHECKER



390A 3 TEST SET CRYSTAL CHECKER
FOR CERAMIC CARTRIDGE AND COAXIAL TYPES WITH NORMAL AND REVERSED POLARITIES. MINIMUM CONVERSION LOSS CAN BE PREDICTED FROM THE STATIC VOLTAGE CURRENT CURVE OF THE CRYSTAL, THEREFORE A TWO POINT DC MEASUREMENT OF VOLTAGES IS MADE OF THE CRYSTAL UNDER TEST AND THE RESULTANT DIFFERENCE IN CURRENT CALIBRATED IN MINIMUM AVAIL. CONVERSION LOSS. IN THE CALIBRATE POS. AND VARYING CONTROL ESTABLISHES THE VOLTAGE CURRENT CURVE, IN THE TEST POS. SHOWS THE INDICATED CURRENT ON THE CALIBRATED METER AS A FUNCTION OF THE MINIMUM AVAIL. CONVERSION LOSS. POWER SUPPLY ONE 1.5 VOLT BATTERY.
SIZE: 8x8x5 $\frac{1}{2}$ "; WT: 5 LBS. PRICE: USED \$9.95

TIME MARK GENERATOR

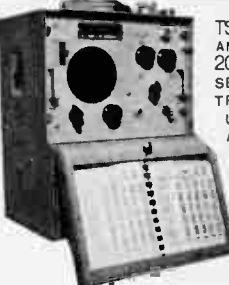


TEKRONIC 180 S2 TIME MARK GENERATOR
DESIGNED TO PROVIDE ACCURATE TIME MARKERS WHICH CAN BE DISPLAYED ON AN OSCILLOSCOPE FOR CALIBRATING SWEEP SPEEDS AND FOR COMPARISON OF TIME MEASUREMENTS. MICROSEC. MARKERS AT INTERVALS OF 1, 5, 10, 50, 100 AND 500 MILLISEC. MARKERS AT INTERVALS OF 2.5, 5, 10, 50, 100 AND 500 ALSO A 1 SECOND MARKER. SINE WAVES OF 5 MC, 10 MC, 50 MC. THE MARKERS ARE AVAILABLE INDIVIDUALLY OR ALL AT ONE TIME....
POWER REQUIRED 115 VOLT 60 CYCLE. USED
SIZE: 10x16 $\frac{1}{2}$ "x14; WT: 50 LBS. SERVICEABLE \$60

TS-382 AUDIO OSCILLATOR



TS-382 AUDIO OSCILLATOR
FREQUENCY RANGE 20 TO 200,000 CPS IN FOUR BANDS, OUTPUT IMP. 1000 OHMS, AMPLITUDES CONTINUOUS VARIABLE 0-10 VOLTS, FREQ. RESPONSE 20 CPS. TO 150,000 CPS. APPROX. \pm 1 DB, FREQ. ACCURACY \pm 6%, STABILITY \pm 2%, HUM 60 DB BELOW RATED OUTPUT, ATTENUATOR ACCURACY 3% EXCEPT 10 MICRO. V. \pm 2 OR -3 MICROVOLTS. POWER INPUT 115 V. 50-1600 CYC. OUTPUT 100 MW. WITH NINE TUBES, CALIBRATED TUNING DIAL, FREQ. RANGE SWITCH, OUTPUT LEVEL CONT. OUTPUT LEVEL ATTENUATOR, SIGNAL INPUT AND OUTPUT JACK, OUTPUT LEVEL METER, VIBRATING REED-TYPE METER USED AS A ACCURATE CHECK OF THE OSC. CALIBRATION
SIZE: 18 $\frac{1}{2}$ "x10x12 $\frac{1}{2}$ "; WT: SHPG. 75 LBS.
PRICE: USED SERVICEABLE \$75.00 CHECKED \$85.00



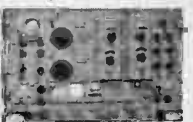
TS-323/UR FREQUENCY METER AND CRYSTAL CALIBRATOR, 20 TO 480 MC. PORTABLE SELF-CONTAINED CRYSTAL CONTROLLED HETERODYNE TYPE USED FOR TESTING CW, MCW AND PULSED SIGNALS. FUNDAMENTAL FREQ. RANGE 20 TO 40 MC. ACCURACY .005%, AUDIO 20 MW AT CHECK PTS. RADIO FREQ. OUTPUT 50-1000 MV. SENSITIVITY 50M MV SIG. GIVES AUDIO BEAT NOTE OUTPUT OF 10 MW. RANGE 2500 TO 500 MV. POWER REQUIRED 2 DRY BATTERIE BA-203 (6 vdc) AND 3 BA-59 (45 vdc).
SIZE: 15x12x10 WT: 35 LBS.
PRICE: USED SERVICEABLE \$60.00 CHECKED \$75.00
115 VOLT 60 CYCLE POWER SUPPLY \$24.95



TV-2/U DYNAMIC MUTUAL CONDUCTANCE ELECTRONIC TUBE TESTER FOR PORTABLE USE. GOVERNMENT SURPLUS UNIT USED TO TEST AND MEASURE PERFORMANCE CAPABILITIES AND TO DETERMINE REJECTION LIMITS FOR ELECTRON TUBES USED IN RECEIVERS, LOW-POWERED TRANSMITTERS AND OTHER ELECTRONIC EQUIPMENT. HAS PROVISIONS FOR CHECKING TUBES UP TO 9 PINS INCLUDING ACORN, NOVAL, 7 PIN TRANS., ETC. METERS 2 $\frac{1}{2}$ " FOR READING FILAMENT, GRID, PLATE, SCREEN, SIGNAL AND TRANSCONDUCTANCE (PERCENT QUALITY) WHICH IS 10,000 OHMS PER VOLT. ALL THE IMPORTANT TESTS CAN BE MADE ON THIS UNIT AND IT WILL ALSO TEST TUBES UNDER THE ACTUAL OPERATING CONDITIONS BY SETTING THE PROPER VOLTAGES THAT ARE INDICATED ON THE METERS. POWER REQUIRED: 103 TO 126V.; 50 TO 1600 CYCLES.
SIZE: 17 $\frac{1}{2}$ "x16 $\frac{1}{2}$ "x8 $\frac{1}{2}$ " SHPG. WT: 45 LBS.
PRICE: USED SERVICEABLE \$55.00; CHECKED \$65.00

WAVE METER, SCOPE OSCILLATOR

AN/UPM-1 WAVEMETER OSCILLATOR
SCOPE RADAR TEST UNIT FOR 155-235MC AND 460-570MC CONTAINS PULSE AND SWEEP GENERATOR VIDEO AMP. 3" OSCILLOSCOPE, TWO WAVEMETER TWO OSCILLATORS. POWER REQUIREMENTS: 80, 115 OR 230 VOLTS AC. 60-1000 CYCLES. SIZE: 30x21x24 WT: 150 LBS.
USED \$39.50



DIFOLE ANTENNA FOR AN/UPM-1 USED \$9.95

FREQUENCY POWER METER



FREQUENCY POWER METER ME-51/UP
FREQUENCY COUNTER 1100-3999. CALIBRATED TO FREQUENCY 3100 MC TO 3500 MC. HAS 0-1.5 MA; 0-25MW METER, WITH CABLES, IN METAL CARRYING CASE.
SIZE: 8 $\frac{1}{2}$ "x9 $\frac{1}{2}$ "x9 $\frac{1}{2}$ " WT: 18 LBS.
USED \$15.00

AUTOMOTIVE

STARTER - REGULATOR

VOLTMETER-AMMETER FOR TESTING BATTERY STARTER AND REGULATOR MODEL # 307-A

VOLTMETER HAS 3 SCALES 0-9, 0-18 AND 0-45 VOLTS D.C.

SPECIAL SELECTOR SWITCH FOR MAKING RESISTANCE TESTS USING THE 9/10 SC. AMMETER SCALE MINUS 10-0-100 AMPERE THROUGH A BUILT-IN SHUNT CONNECTED IN THE TEST LEADS.

LOAD SWITCH IS USED TO CONNECT THE LOAD IN OR OUT OF THE CIRCUIT.

LOAD CONTROL CONSISTS OF VARIABLE PILE PLATES WHICH BY COMPRESSION PUTS A LOAD ON THE OUTPUT OF THE GENERATOR-STARTER CIRCUIT.

A FIELD RHEOSTAT IS USED TO CONTROL THE GENERATOR FIELD CIRCUIT FOR CERTAIN TYPE UNITS. TWO LARGE 4 1/2" METERS WITH 2% ACCURACY, 500 MICROAMP. MOVEMENTS, CHROME AND SATIN FINISH.

WITH TEST LEADS AND INSTRUCTIONS.

SIZE: 13x5x5; WT: 13 LBS. PRICE: \$24.50



IGNITION SCOPE



MOTOR EX-RAY IGNITION OSCILLOSCOPE HEYER MODEL 326-A 115 VOLT 60 CYC

USED TO GIVE A VISUAL INDICATION OF THE PERFORMANCE OF SPARK PLUGS, COIL AND DISTRIBUTOR OR ON A 3" CATHODE RAY TUBE #55-2732. SELECTOR SWITCH FOR 16 KV & 32 KV PATTERN CONTROL KNOB AT HANDLE, 3 PROG LINE CORD, 5 TEST LEADS.

SOLD AS USED, LESS FOR TUBE \$6-2732 AND NO GUARANTEE AS TO OPERATION. (DO NOT KNOW SUB) SIZE: 13x6x4 LESS HANDLE. WT: 8 LBS. PRICE: \$5.95

IGNITION TESTER

METER IGNITION TESTER MODEL # 327 LARGE 4 1/2" METER WITH 500 MICROAMP 0-30 SCALE ALSO MARKED LOW, AVERAGE FOR CHECKING IGNITION SYSTEMS. SELECTOR SWITCH FOR CURRENT AND VOLTAGE READINGS ALSO TEST LEADS.

WITH OPERATING INSTRUCTIONS. CHROME MIRRORRED FACE WITH BLACK AND GREY SATIN FINISH.

THIS EQUIPMENT IS KNOWN AS THE CHROME-LINE OF HEYER-MARQUETTE. SIZE: 11x6x4; WT: 8 LBS. PRICE: \$14.95



COIL - CONDENSER TESTER

COMBINATION COIL AND CONDENSER TESTER WITH OHMMETER MODEL #332.

DESIGNED TO MAKE COMPLETE ANALYSIS OF COILS AND CONDENSERS IN AUTOMOBILE ENGINES USING FACTORY STANDARDS AND TEST METHODS.

PRECISION VIBRATOR APPLIES THE NORMAL CURRENT TO THE COIL AT THE PROPER DWELL. ANY BREAKDOWN OF THE OF THE INSULATION IS SHOWN ON THE METER BY IRRREGULAR OF LOW READING AN ELECTRONIC CIRCUIT CHECKS CONDENSERS FOR ACTUAL CAPACITY, LEAKAGE SERIES RESISTANCE. THE LAST TWO

TESTS WILL INDICATE CONDENSERS THAT WILL NEED REPLACING.

A 100,000 OHMMETER RANGE IS ALSO PROVIDED ON THE 4 1/2" CHROME AND SATIN FINISHED METER THAT HAS A LABORATORY ACCURACY OF WITHIN 2%.

UNIT OPERATES FROM 6/12 VDC, WITH TUBES 1/2AU7 & 1/6X4 ALSO TEST LEADS, W/INSTRUCTIVE CABINET SIZE 14x5x6; WT: 10 LBS. PRICE: \$14.95



BATTERY ANALYZER

HEYER 12 VOLT OVER-ALL BATTERY ANALYZER MODEL 12 ET

FOUR STEP BATTERY ANALYZER WITH LARGE 4 1/2" METER AND HEAVY CABLES WITH SURE-GRIP CLAMPS.

BATTERY SIZE ADJUSTMENT SWITCH FOR SMALL 30-40 APH, MEDIUM 50-60 APH AND LARGE 70-80 APH BATT.

BATTERY LOAD SWITCH, BATTERY CHARGE SWITCH & BATTERY CONDITION SWITCH FOR MAKING THE REQUIRED TESTS WHICH IS INTERPERTED ON THE APPROPRIATE SCALE OF THE METER

SIZE: 11x6x6; WT 12 LBS. W/ INSTR. PRICE: \$19.95



BATTERY TESTER

ATLAS SAFETY-CHARGE BATTERY TESTER MODEL PSC-1-TRG FOR 6 OR 12 VOLTS.

LARGE 4" METER FOR EASY READING OF BATTERY CONDITION, SHOWS IF BATT. IS SERVICEABLE, NEEDS RE-CHARGING OR REPLACEMENT ALSO INDICATES CHARGING VOLTAGE, LOW, NORMAL OR HIGH.

THIRTY SIX INCH CABLE AND TEST PROBE FOR CHECKING EACH CELL.

RUGGEDIZED PLASTIC METER CASE AND UNBREAKABLE PLASTIC METER FACE. SIZE: 4 1/2x4x3; WT: 3 LBS W/ INSTRUCTIO PRICE: \$3.95



VACUUM CONTROL

PRECISION VACUUM CONTROL #348

DESIGNED TO CHECK AND ADJUST DISTRIBUTOR VACUUM ADVANCE ON THE CAR WHEN USED WITH ELECTRONIC IGNITION ANALYER. CAN ALSO BE USED TO DETERMINE ENGINE PERFORMANCE BY VACUUM READINGS AND GAUGE READINGS REFLECTING ON ENGINE OPERATING CONDITIONS.

DISTRIBUTOR AND MANIFOLD VACUUM CONTROLS ARE PROVIDED WITH SELECTOR SWITCH.

THE 3" GAUGE READS IN INCHES OF MERCURY AND THE CONCENTRIC SCALE READS 0-10 ON THE FIRST REVELOUTION AND FROM 10-24 INCHES OF VACUUM ON THE SECOND. ZERO ADJUSTING CONTROL PROVIDED. ALSO TEST LEADS AND INSTRUCTIONS.

SIZE: 13x5x5; WT: 5 LBS. PRICE: \$9.95



TACHOMETER - VOLTMETER

DYNA-VISION ACCESSORY UNIT #337 COMBINATION TACH-VOLTMETER.

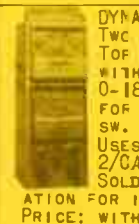
TACH RANGES 0-1000 AND 0-5000 R.P.M. VOLT RANGE 0-18 VDC.

USED FOR CHECKING R.P.M. AND LOW VOLTAGE CIRCUIT OF AUTO ENGINES, ALSO PROVISIONS FOR PLUGGING IN TIMING LIGHT.

METER IS 4 1/2" CHROME AND SATIN FINISH WITH 500 MICROAMP. MOVEMENT.

OPERATES FROM 6/12 VDC WITH TUBES 1/0A-2 & 1/2D21.

SIZE: 13x5x5; WT: 8 LBS. PRICE: \$19.95



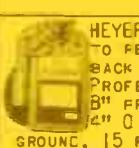
DYNA-VISION ACCESSORY UNIT HEYER 336 TWO 4 1/2" METER 500 MICROAMP MOVEMENT.

TOP METER IS FOR CHECKING VOLTS-RPM WITH SELECTOR SWITCH FOR THE 3 SCALES 0-18, 0-1000 & 0-5000.

LOWER METER IS FOR SPARK ADVANCE ALSO HAS SELECTOR SW. AND PLUG FOR TRANSDUCER PICK-UP.

USES TUBES 6AL5, 6AU6, 6E96, 2D21 AND 2/0A2. SIZE: 13x5x5; WT: 13 LBS.

SOLD AS USED, NO GUARANTEE AS TO OPERATION FOR IT'S INTENDED USE. PRICE: WITH TUBES \$13.95 LESS TUBES \$9.95



HEYER MOTOR-RATOR TIMING LIGHT. USED TO RESET AUTOMOBILE ENGINE TIMING BACK TO MANUFACTURER'S SPECIFICATIONS.

PROFESSIONAL QUALITY UNIT INCLUDES 8" PROBE WITH BRILLIANT XENON LAMP, 1/2" O TO 1000 RPM TACHOMETER, 5 FT GROUND, 15 FT 110 VOLT AC LEAD. SOLD WITHOUT GUARENTEE TO OPERATION; SERVICEABLE.

SIZE: 9 1/2x6x1 1/2 WT: 7 LBS. PRICE: \$12.95

TRANSCEIVER



BC-645/ABA-1 TRANSCEIVER ARMY-NAVY-AIR FORCE TRANSDUCER USED FOR FREIND OR FOE IDENTIFICATION IN THE 460-490 MC BAND. COMPLETE WITH TUBES 4/7F7, 4/7H7, 2/7E6, 2/6F6, 2/955 & 1/316. SIZE 11x6 1/2x14; WT: 20 LBS.

BC-645/ABA-1 RECEIVER-TRANSMITTER N MOUNTING FOR " " 1.50

BC-646 CONTROL BOX MOUNTING FOR BC-646 CONTROL BOX. 1.95

PE-101 DYNAMOTOR 12/13-24/26 VDC; 12.6/6.3 AMPS. OUTPUT 400 VDC @ 135 MA 800 VDC @ 20 MA. 9V 80CYC. 1.12A. 7.95

UHF ANTENNAS 2 PER SET 1.95

PLUGS COMPLETE SET \$4.95 INDIVIDUAL COMPLETE SET OF ALL ITEMS DESCRIBED ABOVE ALL ERAND NEW \$29.95

THOUSANDS OF THESE SETS HAVE BEEN SOLD FOR CONVERSION TO THE 460-470 & 470-500 MC BANDS.

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AUTOC REPLACEMENT HORN; 12 VOLTS D.C., HIGH PITCH, MODEL SA-OEM, PART No. S-34. 5 1/2x6 1/2x2 1/2 3 LBS. PRICE: \$2.50





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RECEIVER-TRANSMITTER

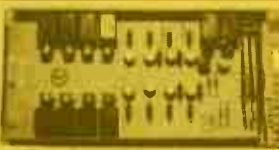


RT-178/ARC-27 REVEIVER-TRANSMITTER, AM 225 TO 399.9 MC ON 1750 CHANNELS 100 KC. APART ALSO A SEPARATE GUARD CHANNEL RECEIVER FOR OPERATION IN THE 238 TO 248 MC. BAND. REC/TRANS. CAN BE PRE-SET ON ANY 18 CHANNELS IN THE RANGE BY PROPER SELECTION OF CRYSTALS (CR-23)

THE SET HAS PLUG-IN TYPE SUBASSEMBLIES CONSISTING OF GUARD REC, SPECTRUM AMPL, R.F POWER AMPL, BIAS RELAY ASSY, MECH. DRIVE ASSY, MODULATOR, SPECTRUM OSCILL, MAIN REC. ASSY, I.F. AND AUDIO, 20-30 MC I.F. AMP. WITH CRYSTAL SEC. DYNAMOTOR AND BLOWER. POWER REQ. 27.5VDC 25 A UNIT COMES WITH 56 TUBES AND IS USED SERVICEABLE. SIZE: 27 1/2 x 11 1/2 x 12 1/2; WT: 85 LBS. \$75.00



ALPHA-NUMERIC NIXIE TUBES
 15 SEGMENT NIXIES CREATE ALPHABET AND NUMBERS 0-9 IN A SINGLE TUBE. 2 1/2" CHARACTERS MAKE FOR UNUSUAL DISPLAY EFFECTS. 170 VOLTS REQUIRED. W/INSTRUCTION CHART. TUBE SIZE: 2x4 1/2 IN. #7971 \$2.95 EA. 10/\$25.00 SOCKETS FOR #7971 \$.50 EA. EXTRA OPERATIONS CHART \$.50



5 CENTS AND LESS TRANSISTORS

PICTURE SAMPLE TYPE

LARGE PRINTED CIRCUIT BOARDS WITH TRANSISTORS, INTEGRATED CIRCUITS, SEMICONDUCTORS, RESISTORS, COND. DIODES ETC. BOARD SIZE 4x9, APPROX. 6 OZ. PRICE: 5¢ EACH TRANSISTOR 60¢ FOR \$3 125 FOR \$5; 300 FOR \$10.00 ORDER "SANDY'S TRANSISTOR SPECIAL"

GUARD RECEIVER AS USED IN RT-178/ARC-27, COVERS FREQ. OF 238 TO 248 MC. SINGLE CHANNEL WITH AUDIO OUTPUT IS COUPLED TO THE MAIN SET, DUAL CONVERSION 19.4 MC 1ST I.F. 3.45 FINAL I.F. WITH R.F GAIN CONT. AND SQUELCH CIR. WITH TUBES 5/12AT7, 1/6AK5, 1/6AG5, 2/6BA6 & 2/6AL5. SIZE: 8 x 4 1/2 x 4; WT: 4 LBS. P/T# 504-9780-005 PRICE: USED \$7.95 STK#5821-505-3684

20-30 MC IF AMPLIFIER WITH CRYSTAL MOUNTING AND SELECTION SWITCH. THE CRYSTAL MOUNTING IS FOR 10 CR-23/U CRYSTAL HOLDERS, THE CRYSTAL SWITCH IS OPERATED IN CONJUNCTION WITH THE SLUG TUNED COILS AND A SCREWDRIVER IS USED FOR THIS PURPOSE. WITH TUBES 6/6AG5 AND 1/12AT7. T#5821-505-3236 SIZE: 7 1/2 x 4 3/4; 4 LBS. USED \$6.95

I.F. AND AUDIO AMPLIFIER AS USED IN ARC-27. THE 5.7-4.8 MC I-F AMP. FOR THE RECEIVER AND TRANSMITTER ARE TWO SEPARATE SECTIONS WITH 3.45 MC I.F. TO THE DETECTOR AND AVC GATE ALSO SQUELCH/AUDIO AND AUDIO AMP. SECTIONS. WITH TUBES 7/6BA6, 6/12AT7, 1/6AG5 AND 2/6AL5. SIZE: 8 1/2 x 5 1/2 x 4; WT: 5 LBS. P/T#505-0317-036 PRICE: USED \$8.95

POWER AMPLIFIER FOR ARC-27 USING 2C39A OUTPUT TUBE DRIVEN BY A 2C39 WHICH IN TURN IS DRIVEN BY A 2C43. THE LATTER IS DRIVEN BY THE OUTPUT OF THE TRANS. PRE-AMPL. WHICH IS NOT PART OF THIS SUB-ASSY. WITH 2/2C39A AND 1/2C43 TUBES. STK#5821-553-4602 USED \$14.95 EACH OF THE ABOVE ARC-27 ARE PLUG-IN TYPES

MATCHING CONNECTORS TO FIT ARC-27 PLUG-IN SUB-ASSEMBLIES ARE AVAILABLE AT \$1.00 EACH SCHEMATICS FOR ARC-27 SUB-ASSEMBLIES \$1

LATE ITEMS

R-322/ARN-18	RECEIVER	USED	\$34.95
R-539/ARN-14B	"	"	\$29.95
R-625/ARN-31	"	"	\$16.95
R-886/ARR-60	"	"	\$16.95
R-277/APN-70	"	"	\$95.00
T-464/ALT-7	TRANSMITTER	"	\$29.95
T-608/ALT-6	"	LESS OSC. SEC.	\$85.00
PP-1533/ALT-6	POWER SUPPLY	"	\$50.00

CODE PRACTICE SET TAPES



TG-34 KEYS: CODE PRACTICE SET USED TO REPRODUCE SIGNALS PREVIOUSLY RECORDED ON INKED PAPER TAPE, VARIABLE SPEED MOTOR, KEYING OSCILLATOR WITH SPEAKER, PHONE & KEY JACKS. POWER REQUIRED 115 V. 50/60 CYCLE. SUPPLIED WITH ONE EMPTY REEL. (PHOTO SHOWS REEL OF TAPE AS ILLUSTRATION ONLY.) COMES IN WOOD PORTABLE CARRYING CASE, SIZE 15x10x10; WT: 40 LBS.

PRICE: SERVICEABLE \$24.95 CHECKED... \$29.50

CODE PRACTICE TAPES: MADE ESPECIALLY FOR THE TG-34 KEYS, SAME GROUPINGS AND SPEEDS AS USED BY THE GOV'T. NOT MOUNTED ON METAL REELS. FIFTEEN (15) TAPES TO SET. \$2 EA TAPE

#1 TO 4 COVER DIFFERENT GROUPS WIDE SPACE LETTERS	#9 12WPM CODED/GR
#5 WIDE SPACE NUMBERS & LETTERS	#10 12WPM ACT/MESS
#6 5WPM NUMBERS & LETTERS	#11 12 " " "
#7 7WPM " " "	#12 15 " " "
#8 10 " CODED GROUPS OF 5	#13 15 " " "
	#14 20 " " "
	#15 20 " " "

OSCILLOSCOPE



WEECO GS-56928 SCOPE: USED FOR MONITORING AND TESTING CIRCUITS WITH 28P1 CATHODE RAY TUBE ALSO 2/5814 1/6AG7 AND 1/5670. CARRIER LEVEL METER 1 1/2" 0-3 DCMA, BCN COAX. CONNECTORS AND NECESSARY CONTROLS FOR SCOPE. ALSO MTI CIRCUIT TEST SWITCH 11 POS. 5 DECK.

(SORRY NO COVER OR SCHEMATIC) FACE SIZE 6x8 1/2 LENGTH 13; WT: 10 LBS. PRICE: UNUSED \$14.95

RECEIVER-TRANSMITTER



RT-380/AP RECEIVER-TRANSMITTER 2 TO 18.5 MC C.W. PHONE, 100 WATT TRANS. AM CRYSTAL CONTROL ON 10 PRE SELECTED FREQ. RECEIVER 50 MW MIN. INTO 600 OHM LOAD. WITH TUBES 1/813 2/811, 1/1625, 1/6AG7, 1/6V6, 1/12BE6, 2/12AL7, 1/12AL5, 2/28D7 & 4/6BA6. POWER REQUIRED 400 VDC @ 750 MA. 750 VDC @ 350 MA. AND 27 VDC FOR RELAY AC FOR FILAMENTS. (SAME VOLTAGES AS ART-13) (SIMILAR TO COLLINS 18S4) SIZE: 15 1/2 x 7 1/2 x 23 1/2; WT: 70 LBS. LESS CRYSTAL 9 PRICE: USED LESS DYNAMOTOR \$69.50

I-152 INDICATOR



I-152(*) INDICATOR; USED WITH BC-788 ALTIMETER FOR INDICATING HEIGHT OVER TERRAIN IN AIRCRAFT WITH 3DP1 CATHODE RAY TUBE (SAME SOCKET/SHIELD AS 38P1 TUBE AND OTHER TYPES) ALSO TUBES 3/6AG5 AND 2X2. HAS R.F. CIRCUIT, POTENTIOMETERS, 115 V. 400 CYCLE POWER SUPPLY ETC. (WILL MAKE GOOD FOUNDATION FOR A MONITOR) SIZE: 6 1/2 x 6 1/2 x 12; WT: 9 LBS. PRICE: USED \$8.95 SCHEMATIC \$1.00



GRAB BOX ASSORTMENT OF NEW & USED USEABLE ELECTRONIC ITEMS CONSISTS OF PARTS AND ASSEMBLIES SUCH AS RESISTORS, CONDENSERS, MOTORS, TRANSFORMERS, CHOKES, COILS, CONTROL BOXES CIRCUIT BOARDS, CHASSIS AND MANY OTHER ITEMS TOO NUMEROUS TO MENTION. PACKED IN A CARTON AND THE WEIGHT WILL BE AT LEAST 50 LBS. (A GOOD FILLER WHEN YOU ARE BUYING OTHER MATERIAL AND YOU DO NOT HAVE ENOUGH WEIGHT TO MAKE THE MINIMUM MOTOR FREIGHT CHARGE.) # GB-71 50 LB BOX \$5.00 --100 LBS. \$9.00