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ADVANCED RESEARCH PROJECTS AGENCY  
Washington, D. C.

*1-10-68  
E-20-3-11*

ARPA ORDER SUMMARY

29th Edition

~~As of June 30, 1964~~ *To date*

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Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
1	5	1900	3/27/58	AOMC	Four Space Vehicles	\$18,820,000.00	NASA
2	7	1900	3/27/58	AFSC	Three Lunar Probes	9,439,590.80	NASA (completed)
3	4	1900	3/27/58	NOTS	Ground Scanning for Lunar Probes	399,504.41	NASA
4	8	5400	4/28/58	DASA	ARGUS	8,912,680.02	(b)(6)
5	31		4/29/58	ONR	Feasibility Studies	3,820,038.59	(b)(6)
	<u>Tasks</u>						
	1	7200	4/29/58		Studies of Atomic Collision Processes in Ionosphere (225,649)		(b)(6) (completed)
	2	7200	4/29/58		Investigation of Interaction Cross Sections for Electrons with Atomic Species of Molecular Gases (170,149)		(b)(6) (completed)
	3	5400	4/30/58		Symposium on Space Medicine (29,906.25)		
	4 (cancelled)						
	5	7200	8/12/58		Electron Linear Accelerator Studies (1,071,087)		(b)(6)
	6	7200	10/29/58		Atomic Hydrogen and Oxygen Cross Section Studies (83,916)		(b)(6) (completed)
	7	5200	12/19/58		Advanced Propulsion Research (279,757)		
	8	5200	1/19/59		Plasma Acceleration Studies (130,650)		AF (b)(6) (completed)
	9	7300	2/20/59		Human Elements in BMD (99,706.36)		(b)(6) (completed)
	10	9800	4/22/59		Two Space Power Studies (103,150)		(b)(6)
	11	7900	4/29/59		GLIPAR (1,626,067.98)		(b)(6) (completed)
	12 (cancelled)						

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Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager *
6	85		6/10/58	AFSC	Feasibility Studies	\$14,668,949.01	(b)(6)
	<u>Tasks</u>						
	1	7900	6/16/58		Satellite Defense Studies	(460,060)	(b)(6) (completed)
	2	7200	6/19/58		Study Effects of Space Weapons -0- on Electronics Systems		(b)(6) (completed)
	3	5400	6/25/58		Study of Nuclear-Pulse- Propelled Space Vehicle	(2,320,952.99)	AF (completed)
	4 (cancelled)						
	5	7200	11/4/58		Studies of Molecular Interactions	(1,364,600.98)	(b)(6) (completed)
	6	7200	12/10/58		Decoy Discrimination	(759,456.79)	(b)(6) (completed)
	7	7300	1/9/59		IR Optical Tracking	(598,275.19)	(b)(6) (completed)
	8	5200	1/21/59		Advanced Propulsion Research	(370,448.41)	AF (completed)
	9 (cancelled)						
	10	7900	4/16/59		System Discrimination Study	(590,984.58)	(b)(6) (completed)
	11	5200	2/26/59		Space Propulsion Studies	(2,710,030.36)	(b)(6)
	12	7300	3/24/59		LASER Studies	(-0-)	(b)(6) (completed)
	13	7400	4/16/59		Infrared Flame Measure- ments	(300,888.10)	(b)(6) (completed)
	14	5100	4/22/59		Six Space Power Studies	(1,005,172.70)	AF (completed)
	15	7900	4/27/59		Missile Early Warning Studies	(476,134.26)	(b)(6) (completed)
	16	7300	5/27/59		Satellite-Borne Tracking Study	(246,348.70)	(b)(6) (completed)
	17	5400	5/7/59		Recoverable Booster System	(151,478.17)	AF (completed)
	18	7200	5/14/59		Ion Probe Study & Demonstration	(84,867.33)	(b)(6) (completed)

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
<u>Tasks</u>							
	1	2600	4/10/59		One THOR-Based Vehicle for TIROS	\$ (3, 567, 205. 15)	
	2	3600	4/10/59		Upper Stage Vehicle AJ10-104	(1, 708, 000)	
	3	3600	4/10/59		Modification of Bell-Hustler Stage	(900, 000)	
	4	2300	4/10/59		THOR-Delta & THOR-104 for Navigation Satellite	(5, 872, 925. 78)	
	5	2200	4/10/59		Two THOR-104 Vehicles for COURIER	(4, 438, 000)	
	6	2300	4/10/59		Two THOR-Hustler Vehicles for Navigation Satellite	(3, 371, 793. 00)	
	7	3100	5/18/59		Four THOR Boosters	(100, 000)	
18	6	2200	8/27/58	AFSC	Project SCORE	683, 934. 65	Completed
19	6	3500	8/29/58	AFSC	CENTAUR (TRIBE)	21, 495, 779. 80	Transferred to NASA (completed)
20	10	9100	9/15/58	NBS	Studies of Light Element Compounds (PRINCIPIA)	3, 560, 000. 00	(b)(6)
21	13	9100	9/19/58	AMC	Solid Propellant Research (PRINCIPIA)	5, 536, 880. 00	
22	76	9100	9/25/58	BuWeps	Solid Propellant Research	31, 324, 975. 65	

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
32	15	7300	10/14/58	ONR	Over-the-Horizon Radar Measurements	3,485,884.28	(b)(6)
33	12	2200	10/20/58	AMC	Delayed Repeater Comm. Satellite (COURIER)	10,106,245.30	Army
34	35	9100	10/27/58	AMC	Solid Propellant Rsch. (PRINCIPIA)	23,115,920.00	(b)(6)
<u>Tasks</u>							
1		9100	10/30/58		Esso Integrated Solid Prop. Res.	(11,762,448)	
2		9100	3/9/59		OM & AC Solid Propellant Research	(6,199,737)	
3		9100	3/19/59		Evaluation of Propellants	(250,000)	
4		9100	5/28/59		Solid Propellant Materials Research	(4,004,570)	
5		9100	10/30/62		Olin Mathieson Chem. Corp.	(93,300)	
6		9100	3/28/63		Aerojet-General Corp.	(604,000)	
7		9100	3/28/63		Aeroprojects, Inc.	(201,865)	
35	8	4300	10/29/58	AOMC	JPL Ground Space Surveil. Assistance (SHEPHERD)	119,954.05	NASA
36	7	5300	10/30/58	A/R&D	Study of Stagnation Point Ballistics (LONGSIGHT)	104,250.64	Completed
37	5	7900	11/6/58	AFSC	Space Based Early Intercept Systems Studies	2,754,985.83	(b)(6) (Compl)
38	11	6100	11/5/58	AFSC	Satellite Project	22,799,999.48	Trans. to AF (Completed)

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
40(Cont'd)							
<u>Tasks</u>							
7		9100	6/12/62		Rsch on Fluorination of Organic Compounds	\$ (203, 900)	
8		9100	2/27/63		Rsch on Thermodynamic Properties of Light- Element Compounds	(50, 100)	
41	7	2100	11/17/58	AFSC	Launch Facility and Missile Assembly Bldg.	8, 938, 758. 31**	AF(Compl)
42	13	7200	11/26/58	AFOAR	Chemical Release Studies	4, 075, 000.00	(b)(6)
43	4	5400	12/ 8/58	BuWeps	Magnus Effect Study (LONGSIGHT)	178, 923.00	Completed
44	6	9100	12/11/58	BuMines	Solid Propellant Rsch. (PRINCIPIA)	377, 000.00	(b)(6)
45	14	7300	11/24/58	A/R&D	Plasma Physics Studies	1, 312, 350.00	(b)(6)
46	10	7300	12/15/58	AFSC	Radar Discrimination	885, 418. 13	(b)(6) (Comp)
47	4	3400	12/11/58	AMC	Test Tower & Launch Stand Construction (SATURN)	8, 434, 433. 47**	NASA
48	12	3100	12/15/58	Sec/AF	Space Program	132, 296, 492. 92	AF
49	16	7400	12/17/58	AMC	Active RF Radar (TRADEX) Procurement	38, 522, 620. 04	(b)(6) (Comp)

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50	8	4200	12/19/58	AFSC	National Space Surveillance Control Center (SHEPHERD)	\$ 298,996.45** 3,873,917.83	AF(Compl) (Compl)
51	16	7400	12/19/58	AMC	DRM Ship Operation	39,870,429.00	(b)(6) Compl)
52	5	7400	12/19/58	AMC	Coordination of MTR Work	1,237,959.00	(b)(6) Compl)
53	7	7300	12/22/58	AMC	High Power Microwave Radar	3,090,000.00	(b)(6) Compl)
54	14	2200	1/20/59	AFSC	Active Repeater Communications Satellite	23,951,139.43	Trans. to Army(Compl)
55	3	2200	1/20/59	AMC	Active Repeater Communications Satellite	991,419.81	Army
56	8	7300	1/19/59	AFSC	Advanced Radar Research	2,126,313.50	(b)(6) Compl)
57	8	4300	1/16/59	AMC	Spain & Japan Tracking Installation (SHEPHERD)	8,048,387.75	Cancelled (b)(6) Compl)
58	2	7300	1/22/59	AFSC	IR Tracking Unit	1,771,000.00	(b)(6) Compl)
59	3	7200	2/ 3/59	AFSC	Vertical Probe Launchings	229,416.36	(b)(6) Compl)
60	3	4300	2/17/59	AFSC	Instrumentation Ship, Pvt. Joe E. Mann (SHEPHERD)	489,672.23	(b)(6) Compl)
61	2	4300	2/20/59	BuWeps	Two VC2 Vessels-Recovery PMTR (SHEPHERD)	2,276,211.63	PMR
62	4	7300	2/27/59	AFSC	Decoy Sorting Radar	2,077,323.84	(b)(6)

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
63	8	7300	2/27/59	AFSC	Microwave Radar Rsch.	\$1,379,106.71	(b)(6) (Compl)
64	4	7300	2/27/59	AFSC	Radar Discrimination Studies	349,542.06	(b)(6) (Compl)
65	1	7200	3/ 6/59	AMC	Artificial Electron Clouds Study	38,735.10	(b)(6) (Compl)
66	5	3700	3/10/59	AFSC	Large Thrust Test Stand EAFB	6,443,543.00**	AF (Compl)
67	1	7200	3/11/59	AMC	Catalytic Effects in Discharges	80,000.00	(b)(6) (Compl)
68	8	7300	3/16/59	AFSC	Pincushion Radar	15,858,530.02	(b)(6) (Compl)
69	4	7300	3/12/59	AFSC	Hypersonic Interceptor Study	1,005,812.81	(b)(6) (Compl)
70	5	7300	3/18/59	NRL	Hypervelocity Impact Rsch.	1,667,200.00	(b)(6)
71	5	7300	3/18/59	AMC	Hypervelocity Impact Rsch.	2,150,000.00	(b)(6)
72		7200	3/17/59	NBS	Photodetachment Cross-Section Studies	30,000.00	(b)(6) (Compl)
73	6	7300	3/19/59	AFSC	Data Processing for Decisions and Decoy Discrimination	1,107,946.22	(b)(6) Completed (b)(6)
74	3	7300	4/13/59	AMC	Digital Phased Array Radar Codiphase	1,797,000.00	(b)(6) (Compl)
75	3	7400	4/ 1/59	AMC	Tank Explosion Experiments	218,232.00	(b)(6) (Compl)
76	2	5300	4/ 1/59	NBS	Properties of Materials at Low Temperatures (LONGSIGHT)	184,000.00	AF



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77	3	4300	4/ 6/59	ASC	Spain Tracking Station Construction (SHEPHERD)	93,201.37**	Cancelled
78	2	5300	4/14/59	AMC	Transmission of Ion & Atomic Beam Studies (LONGSIGHT)	99,977.09	
79	1	3100	4/ 8/59	A/R&D	Space Program	85,988.70	Terminated
80	15	9800	4/22/59	AMC	Nine Studies in Space Power Research	1,711,739.45 Subtask (a)	(b)(6) AF
81	2	9800	4/21/59	BuShips	Study in Space Power Rsch	410,000.00	(b)(6)
82	3	5300	4/22/59	NOL	Rs ch in High Temperature & Pressures (LONGSIGHT)	116,274.21	(b)(6)
83	3	7200	4/29/59	AFSC	Vertical Probe Launching Construction	253,916.55**	(b)(6) (Compl)
84 (Cancelled)							
85	7	7300	5/13/59	AFSC	High Power Radar Tube Studies	4,167,199.57	(b)(6) (Com)
86	5	7400	5/15/59	AFSC	Wave Superheater	4,202,857.00	(b)(6) (Compl)
87 (Cancelled)							
88		7900	5/25/59	BuWeps	Submarine Launched AICBM Study	250,000.00	(b)(6) (Com)

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
89	4	7400	5/25/59	BuWeps	IR System Evaluation	\$ 422,249.97	(b)(6) Com)
90			5/29/59	OSD	R&D Projects	32,864,246.96	
<u>Tasks</u>							
1	SD 60	7900	4/21/59		RCA Satellite Interceptor Study	(610,098)	(b)(6) Com)
2		3100	6/ 2/59		Classified Work	(4,100,000)	
3		1900	6/ 2/59		NASA Manned Satellite Proj.	(8,000,000)	
4		5400	7/ 7/59		Bibliography on Space Medicine-Library of Congress	(40,000)	
5	SD-62	7900	10/16/59		Systems & Operational Study of SPAD-Arthur D. Little	(124,976.39)	AF (b)(6) Com)
6	SD 66	7300	5/ 2/60		Data Collection & Analyses Center for Over-the-Horizon Missile Detection Rsch-SRI	(470,029)	(b)(6) Com)
7	SD-70	7900	6/17/60		ARPAT and BAMBI-A. D. Little	(176,921.47)	(b)(6) Com)
8	SD-71	7400	6/30/60		Consulting Services in Infrared, Optical, & U-V Rsch-Chic.	(754,566)	(b)(6) Com)
9	SD-77	9600	9/ 3/60		Reliability Studies for Satellite Systems-ARINC Res. Corp.	(86,891)	Completed
10	SD-75	9900	10/12/60		Study of DoD's Basic Rsch. Program-A. D. Little	(20,000)	Completed
11		9900	5/ 5/61		Advisory Serv. on Fire Res. NBS	(115,000)	Completed
12	SD-82	9400 & 8600	5/17/61		IKARA Prog. -Australian Govt.	(4,873,900)	Completed
13	SD 50	7900 & 9900	5/ 1/61		IDA Contract	(13,139,690)	(b)(6)
14	SD-145	9900	7/31/62		United Rsch, Inc. Mgmt Study	(12,000)	Completed
15		9900	8/ 3/62		Support of Science Info. Exch.	(125,000)	Test
16		9900	10/15/62		Office Furniture for IDA	(7,510.82)	Test
17		8700	10/29/62		State Dept-Ext. Res. Div.	(37,500)	Test
18	SD 158	9900	1/ 2/63		DoD Procurement of R&D	(123,700)	(b)(6)

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
90(Cont'd)							
	<u>Tasks</u>					\$	
	19	SD-154	9500	12/ 4/62	Internatl. Conf. on Science of Superconductivity	(14,000)	(b)(6)
	20		9900	12/12/62	Office Furniture for IDA	(2,470.15)	Test
	21		9900	1/29/63	Support of USIA Study	(20,000)	Test
	22		9900	4/ 8/63	Office Furniture for IDA	(2,731.70)	Test
91	2		9900	6/18/59 AFSC	System Studies-RAND	1,057,119.33	Test(Compl)
92	3		5300	6/19/59 AMC	Space Subsystem Studies (LONGSIGHT)	1,150,040.48	NASA
93	1		5400	6/26/59 AFSC	Study of Large Payloads	50,000.00	Completed
94			9100	6/29/59 BuWeps	Propellant Test Facilities at NAD Hingham Annex (PRINCIPIA)	342,000**	(b)(6)
95	3		3600	7/ 1/59 AFSC	Upper Stage Vehicle AJ-10-104 (TRIBE)	1; 258.84	AF(Compl)
96	2		3600	7/1/59 AFSC	AGENA (TRIBE)	-0-	AF(Compl)
97	12		2300	7/ 1/59 AFSC	Delivery & Launching of a THOR-DELTA, THOR 104, Two THOR-AGENA Vehicles (Navigation Satellite)	8,124,823.99	Completed
98	11		2200	7/ 1/59 AFSC	Delivery & Launching of Two THOR-104 Vehicles(COURIER)	4,802,973.52	Trans. to Army(Com)

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99 (Cancelled)

100	2	7300	7/31/59	AMC	SAMBO	\$ 99,997.00	(b)(6) Com)
101	7	9100	8/21/59	BuWeps	HiImp Solid Propellant Res.	1,449,771.41	(b)(6)
102	28	8300	9/18/59	Sec AF	Project VELA	69,857,000.00	(b)(6)
103	3	8300	9/18/59	AOMC	Project VELA-Sierra	9,781.53	Completed
104	36	8100	10/ 2/59	AFTAC	Project VELA-Uniform	47,851,078.00	(b)(6)
105	2	4200	9/30/59	AFSC	Facilities at Hanscom Field(SHEPHERD)	84,279.18**	AF(Compl)
106	12	7200	9/30/59	OAR	1000-Ft. Ionosphere Radar Probe <i>Also see 122 + 270</i>	8,357,150.00	(b)(6)
107	3	9100	10/19/59	NASA	JPL Solid Propellant Rsch (PRINCIPIA)	2,025,000.00	(b)(6)
108	2	9500	10/21/59	ASC	NAS Contract for Service of MAB (PONTUS)	514,567.07	(b)(6) Cofmpl)
109	3	3800	10/28/59	AFSC	Modification of Stand 17B at AMR	178,612.51	AF(Compl)
110	13	7400	10/30/59	AMC	Project PRESS-Roi-Namur Facility	10,397,261.56	(b)(6)
111	5	7200	11/ 5/59	OAR	Infrared Blackout	420,912.00	(b)(6)

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Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
112	7	7200	11/ 9/59	AMC	Charged Particle Beam Studies- The Megatron	\$1,494,238.41	(b)(6)
113	1	3600	11/13/59	AFSC	Down-Range Tracking & Telemetry Reqts. for THOR EPSILON (TRIBE)	485,000.00	AF(Compl)
114	10	7400	11/18/59	AMC	Optical/IR Observations, Woomera	3,612,437.00	(b)(6)
115		7300	11/30/59	AMC	Electrical Production of Hypervelocity Particles	200,000.00	(Com) (b)(6)
116	5	7400	12/ 2/59	OAR	Midcourse & Launch Phase Physics Research	2,184,134.72	(b)(6) (Com)
117	2	5400	12/ 2/59	AFSC	Project LONGLIFE	200,000.00	AF(Compl)
118	9	5300	12/14/59	AMC	Super-Power Beam Type Transmitting Tube	7,038,994.04	(b)(6)
119	3	2100	12/14/59	Sec/AF	Development Control Center	863,854.43**	AF
120	3	7400	12/17/59	AMC	Passive RF Radiometer Measurements	929,675.61	(b)(6) (Com)
121	11	7400	12/18/59	AMC	Project PRESS Construction	22,873,500**	(b)(6)
122	6	7200	12/23/59	AFOAR	1000-Ft. Ionospheric Radar Probe Construction	1,016,000.00**	(b)(6)
123	3	7300	12/28/59	AMC	Rsch on Field Electron Emission	649,948.92	(b)(6)

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Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
124	3	7200	12/31/59	ONR	High Intensity Accelerators	\$ 2,597.86	(b)(6) Com)
125	9	7200	12/31/59	ONR	Collision Cross Sections & Transition Probabilities	5,184,000.00	(b)(6)
126	5	9100	1/ 4/60	AMC	Containment of Reactive Chemicals (PRINCIPIA)	460,923.17	(b)(6)
127	8	7400	1/ 6/60	AMC	Down Range Airborne Msmts Program	2,198,450.77	(b)(6) (Com)
128	2	7400	1/14/60	BuWeps	IR ICBM-Decoy Feasibility	424,977.69	(b)(6) Com)
129	2	7300	1/15/60	AFSC	VLF Launch-Phase Detection	165,594.29	(b)(6) Com)
130	5	7300	1/18/60	AMC	Crossed-Field Amplifier Rsch	863,997.00	(b)(6) Com)
131	1	7200	1/26/60	ASC	Advisory Group to ODDR&E	-0-	Cancelled
132	1	4200	1/27/60	ONR	Study of Satellite Detection & Cataloging System (SHEPHERD)	65,594.05	Completed
133	8	7400	1/29/60	AMC	CARDE-Physics Phenomenology Support-Program	3,263,860.00	(b)(6)
134	1	7900	2/ 8/60	AFSC	Random Barrage System Stdy	195,000.00	(b)(6) Com)
135		7300	2/11/61	AFSC	Phased Array Module Dev.	-0-	Cancelled
136	7	7300	2/16/60	AFSC	Phased Array Tube Dev.	1,110,112.64	(b)(6)

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137		9100	3/ 7/60	NASA	Facility for Non-Destructive Testing in Support of AO #107 at JPL(PRINCIPIA)	\$ 447,525.00**	(b)(6)
138	2	7900	3/15/60	ONR	ARPAT Studies	858,326.36	(b)(6) Com)
139	1	7400	3/21/60	ONR	VLF Observations	23,602.00	(b)(6) Com)
140	6	8300	4/ 8/60	AEC	Project VELA	3,320,000.00	(b)(6)
141	3	7300	5/ 5/60	AMC	3 mm Wavelength Low-Noise Tube	586,000.00	(b)(6)
142	2	9500	5/ 6/60	AFSC	Equipment for Basic Rsch in Materials (PONTUS)	998,147.21	Completed
143	3	9500	5/ 6/60	ONR	Equipment for Basic Rsch in Materials (PONTUS)	1,151,999.64	(b)(6)
144	1	9500	5/24/60	AMC	Equipment for Basic Rsch in Materials (PONTUS)	1,005,000.00	Completed
145	3	7300	5/11/60	AFSC	Synthetic Spectrum Radar Research	746,428.61	(b)(6) Com)
146	2	8100	5/16/60	ONR	Seismic NAS Panel (VELA)	24,700.00	(b)(6)
147	1	7200	5/11/60	AFSC	Non-Linear Modeling of Equations of Plasma Physics	102,431.39	(Com) (b)(6)
148	1	7300	5/24/60	AMC	BM Cross Section Studies	179,827.97	(b)(6) Com)

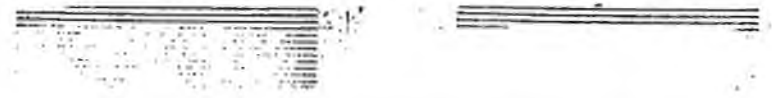
Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
149	10	7300	6/ 2/60	NRL	Hypervelocity Kill Mech.	\$9,022,000.00	(b)(6)
150	11	7300	6/ 2/60	AMC	Modification of AN/FPQ-4 Radar	4,963,462.34	(b)(6)
151	4	7200	6/10/60	AEC	ASTRON Charged Beam Program	4,335,000.00	(b)(6)
152	2	7300	6/15/60	BuShips	Retrieval of Optical Info Degraded by Atmosphere & Optical System	396,400.00	(b)(6)
153	6	7400	5/15/60	AFSC	BAMBI Component Studies	2,361,322.07	(b)(6) (Com)
154		7400	6/16/60	Sec/AF	NANCY RAE	4,000,000.00	(b)(6) (Com)
155	2	7900	6/17/60	AMC	Guidance Seeker Studies	94,468.00	(b)(6) (Com)
156	1	7400	6/21/60	AFSC	VHF Radar Investigations	204,191.07	(b)(6) (Com)
* 157	17	9500	6/21/60	OSD	Interdisciplinary Materials Lab. Program(PONTUS)	82,950,135.00	(b)(6)
158	5	7200	6/23/60	AFSC	High Altitude Nuclear Explosions	709,423.98	(b)(6) (Com)
159	47	8200	6/27/60	AFTAC	VELA-Sierra	7,663,159.00	(b)(6)
160	4	7300	6/23/60	NRL	Music Madre	1,270,000.00	(b)(6)
161	5	7300	6/29/60	ONR	IRIS & IRIA & IR Handbk.	451,700.00	(b)(6)

\*SD-67, 68, 69, 86,  
87, 88, 89, 90, 100,  
101, 102, 131



Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
162	3	7300	7/11/60	AFSC	IR Component Dev. Optical & Ultraviolet Techniques	\$ 21,508.18	(b)(6) Com)
163	8	8200	7/11/60	AMC	VELA-Sierra	621,646.00	(b)(6)
164	6	8200	7/25/60	BuShips	VELA-Sierra	421,405.45	
165	2	8100	8/26/60	A/R&D	VELA-Uniform Seismic Rsch.	12,500.00	
166	11	7400	9/ 8/60	AFSC	Project PRESS Technical Supervision	51,811,000.00	
167	1	9600	9/ 6/60	ONR	Reliability Studies for Satellite Systems (STRIVE)	-0-	NASA
168	2	9600	9/ 6/60	AFSC	Reliability Studies for Satellite Systems (STRIVE)	59,480.48	Completed
169	1	9200	9/ 6/60	BuShips	Liquid Propellant Info Agency (PRINCIPIA)	71,300.00	(b)(6)
170	7	9100	9/ 6/60	ONR	Rsch on High Energy Cmpds (PRINCIPIA)	1,193,795.00	
171	4	9800	9/ 8/60	OAR	Organic Energy Conversion Research	196,834.07	
172	25	8100	9/15/60	DASA	VELA-Uniform	9,410,057.00	
173	11	8100	9/15/60	USCGS	VELA-Uniform	7,557,973.00	

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
174	6	7900	10/12/60	AFSC	BAMBI Studies	\$1,544,612.25	(b)(6) (Com)
175	SD-78 4	8100	10/27/60	OSD	Seismic Info. Analysis Cent.	794,000.00	(b)(6)
176	3	7900	10/20/60	AFSC	BAMBI Studies (SPAD)	1,905,965.00	(b)(6) (Com)
177	3	7900	10/20/60	AFSC	BAMBI Studies (RBS)	1,488,830.00	(b)(6) (Com)
178	5	7300	10/26/60	AFSC	Rsch on Signal Detection Discrimination & Info. Processing	3,476,000.00	(b)(6) (Com)
179	2	7200	10/27/60	AFSC	Nuclear Weapons Effects Studies	772,029.47	(b)(6) (Com)
180	9	8100	10/27/60	AFSC	Rsch into Generation & Propagation of Seismic Waves (VELA-U) -0-		Trans to (b)(6) AO # 292
181	SD-76 SD-130 6	8300	10/27/60	OSD	Environmental Test Satellite	2,659,547.00	(b)(6) (Com)
182	1	7300	11/9/60	AFSC	Application of Recognition Theory to Missile Identification & Decoy Discrimination	345,758.18	Completed (b)(6)
183	14	8200	11/18/60	NBS	Abnormal Ionospheric Behavior Studies (VELA-S)	3,957,125.00	(b)(6)
184	2	9100	11/21/60	ONR	Thermochemistry of O-F Bonds (PRINCIPIA)	116,444.00	(b)(6)



Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
185	1	9800	11/22/60	AFSC	Thermionic Converters, Ext. of AO #6, Task 14	\$ 169,151.00	(b)(6) (b)(6) Com)
186	4	9100	11/23/60	ONR	Solid Propellant Research (PRINCIPIA)	209,355.00	(b)(6)
187	5	7200	11/30/60	OAR	Plasma-Electromagnetic Field Interaction	145,188.48	(Com)
188	1	7200	12/ 9/60	DASA	Late Time Motion Studies	92,330.00	(Com)
189	<i>SD-99</i> 12	9900 8200 8600	12/19/60	OSD	RAND Contract for Studies & Analysis	7,706,580.67 142,120.00 1,621,038.00	(b)(6)
190	<i>Cancelled</i> 1	7900	1/ 9/61	AFSC	BAMBI Support Studies	-0-	(b)(6) Com)
191	2	7300	12/ 9/60	NRL	HELMET Studies	275,000.00	(b)(6) Com)
192	10	8100	12/21/60	BuShips	Rsch into Underwater Techs for Detecting & Identifying Sub-surface Nuclear Explosions	1,613,137.55	(b)(6)
193	16	8100	12/30/60	USGS	Study of Seismic Propagation Paths & Regional Travel-times	4,971,130.00	(b)(6)
194	5	9800	12/28/60	ONR	Techs for Handling & Stability of Sodium-Ammonia Solutions (LORRAINE)	525,484.00	(b)(6)



Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
195	1	9900	1/ 6/61	AFSC	R&D Projects Cards on DDC Machines	\$ 119,000.00	(b)(6) Com)
196	14	7300	1/ 6/61	ONR	Multihop HF Backscatter	4,471,100.00	(b)(6)
197	SD-60 4	7200	1/ 6/61	OSD	Scientific & Tech. Info. Analysis	3,450,000.00	
198	20	7900	1/12/61	AMC	ARPAT System Feasibility Studies	39,954,113.79	
199	SD-81 5	7900	1/13/61	OSD	Cornell Participation in TAG	1,748,193.00	
200	4	7300	1/30/61	BuShips	Radar Duplexing	642,592.00	
201	SD-82 G-1	8100	2/ 2/61	OSD	Crustal Structure Rsch (South Africa)	147,582.00	
202	5	7200	2/ 8/61	OAR	Electrostatic Phenomena	181,457.00	
203	3	7400	2/ 8/61	AMC	Atmospheric Rsch Studies	399,217.00	
204	1	9800	2/15/61	BuShips	Electrochemistry of Fuel Cells Electrodes	59,660.00	
205	4	7400	2/24/61	USARO	Hypersonic Research	329,610.93	
206	4	9800	2/27/61	ONR	Rsch on Heat-Transfer from Ionized Gas to Gaseous Coolent (Formerly AO #5, Task 7)	147,900.00	
207	4	7400	3/ 3/61	ONR	Re-Entry Physics	708,750.00	

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
208		2600	3/23/61	NASA	TIROS Equipment	\$ 137,961.96	NASA
209	7	9800	3/ 9/61	ONR	Partially Ionized Gas	1,303,267.51	(b)(6)
210	2	9800	3/ 7/61	AMC	High Current Superconductivity	279,903.70	(b)(6)
211	2	9800	3/ 7/61	ONR	Semiconductor Transport Phenomena (Formerly AO #5, Task 10)	85,860.00	(b)(6)
212	1	7300	3/ 6/61	AMC	Propagation Experiments	95,781.00	(b)(6) Com
213	9	8300	3/ 3/61	OAR	Radiometers	848,916.63	(b)(6)
214	4	9800	3/ 9/61	ONR	Energy Conversion Mats.	500,862.39	(b)(6)
215	12	8200	3/ 9/61	ONR	Earth Current Magnetic Field Measurements	1,073,595.00	(b)(6)
216	1	7300	3/ 9/61	AFSC	EHF Propagation Msmts and Analysis	301,000.00	(b)(6)
217	1	7300	3/ 9/61	AFSC	Satellite-borne Tracking Studies	301,000.00	(b)(6)
218	6	8100	4/ 3/61	ONR	Hydroacoustic & Seismic Characteristics of Arctic Ocean	1,885,255.00	(b)(6)
219	7	9800	4/10/61	BuShips	Thermoelectricity	2,434,296.00	(b)(6)
220	3	9800	4/10/61	AMC	Transport Phenomena Asso. with Electrode Systems	139,626.00	(b)(6)

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
221	4	9300	3/17/61	BuWeps	Combustion in Hybrid Propellant	\$1,550,962.00	(b)(6)
222	4	7400	3/30/61	BuWeps	A3D Aircraft	6,394,733.96	(b)(6)
223	3	9800	4/10/61	AMC	Gas-Solid Interactions	247,572.00	(b)(6)
224	(Cancelled)	9800	4/20/61	BuShips	Corrosion on Thermionic Converter Elements by Cesium	-0-	(b)(6)
225	1	9800	4/20/61	AMC	Gas-Solid Interactions	59,800.00	(b)(6)
226	1	9800	4/20/61	AMC	Absorption Mechanism on Oxygen Electrodes	225,000.00	(b)(6)
227	1	7200	4/21/61	ONR	Streams in Ionized Gases	214,000.00	(b)(6)
228	4	7300	4/21/61	AFOAR	F-Layer Perturbation Studies	124,493.31	(b)(6) (Com)
229	2	8300	5/ 3/61	ONR	Indirect Radiation Detection for Pre-Launch Inspection	7,973.00	(b)(6)
230		9400	4/26/61	ASC	Grants for Electronic Rsch. Equipment	2,240,000.00	Completed
231	2	9400	4/26/61	OAR	Grants for Electronic Rsch. Equipment	800,000.00	Completed
232		9400	4/26/61	ONR	Grants for Electronic Rsch. Equipment	1,260,000.00	Completed
233	3	9700	4/26/61	AMC	Hydrazine, UDMH & Pentaborane	548,317.00	(b)(6)

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Projec. Manager*
234	3	7300	5/ 2/61	OAR	Probe Msmts on Missile Trails	\$ 244,000.00	(b)(6)
235		7300	5/ 3/61	AFSC	VLF Detection Phenomena Experiments	300,000.00	(b)(6) (Com)
236	<i>SD-91 SD-210</i> 9	7400	6/ 6/61	OSD	Ballistic Missile Radiation Analysis Center (BaMiRAC)	7,714,000.00	(b)(6)
237	19	7400	5/15/61	ONR	TABSTONE	4,641,411.00	(b)(6)
238	15	7400	5/15/61	AFSC	TABSTONE	4,662,998.00	
239	2	9800	5/12/61	ONR	Cathode Materials for Cesium Thermionic Converters	349,907.00	
240	2	9500	5/15/61	A/Ord.	Equipment Grants	1,635,000.00	
241	3	9500	5/19/61	AFSC	Equipment Grants	1,092,000.00	
242	3	9500	5/22/61	ONR	Equipment Grants	1,540,382.43	
243	11	7400	5/18/61	BuWeps	TABSTONE	7,303,328.38	
244	2	7200	6/ 2/61	AFSC	Theoretical Study of Bomb Debris	-0-	(b)(6) (Com)
245	<i>Various</i> 11	8600	6/ 6/61	OSD	AGILE	2,405,000.00	(b)(6)
246	8	9800	6/ 2/61	OAR	Magnetohydrodynamics	1,225,550.00	(b)(6)
247	12	9800	6/ 7/61	AMC	Electrochemistry of Ambient Temperature Hydrocarbon Fuel Cells	4,796,019.80	

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
248	4	7300	6/14/61	AFSC	Airborne Measurements	\$ 44,893.50	(b)(6) (Com)
249	2	8800	6/ 6/61	Sec/AF	Completion & Shipment of Computer	549,344.00	(b)(6)
250	3	7400	6/13/61	NBS	TABSTONE	260,000.00	
251	5	7200	6/16/61	AFSC		2,315,467.09	
252	3	7300	6/20/61	AMC	Radar Echo Characteristics	465,370.00	
253	3	7400	7/13/61	AMC	Missile Physics Phenomenology	700,677.00	
254	6	7400	8/28/61	AFSC	Re-entry Vehicle Instrumentation	10,150,000.00	
255		7300	6/27/61	ONR	Forward Scatter Monitor	50,000.00	
256	14/19	8600	6/22/61	AMC	AGILE-Herbicides, Smoke Grenades, Flame Throwers	877,371.00	
257	12	7300	6/30/61	AMC	Project O-T-H	1,316,285.76	
258	7	7200	6/30/61	AFOAR	Atomic & Molecular Physics Program	323,242.22	
259	(Cancelled, see AO # 274)	7200	6/30/61	ONR	Precision Lightweight Off-Axis & Aspheric Optics	-0-	
260	3	8100	6/30/61	CE	Site Surveys; Seismological Observations	66,486.37	



Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
261		7300	7/20/61	ONR	TAM Method	50,000.00	(b)(6)
262	2	7900	7/ 3/61	AMC	US/Canadian/British HELMET Program	568,619.80	(b)(6) (Com)
263	5	8900	7/ 5/61	ONR	Cloud Physics	605,777.00	
264	3	8900	7/ 5/61	OAR	Cloud Physics	150,000.00	
265	3	8900	7/ 5/61	AMC	Cloud Physics	697,000.00	
266	5	7300	7/12/61	AMC	Infrared Research	3,334,632.42	(b)(6)
267	11	8600	7/ 7/61	AMC	Chemicals for Field Use of Dogs	636,150.83	
268	5	7300	7/12/61	AFSC	Infrared Research	956,935.57	
269	5	7300	7/12/61	ONR	Infrared Research	1,375,693.00	
270	2	7200	9/13/61	OAR	Arecibo Ionospheric Observatory	3,335,000.00	
271	1	7300	7/17/61	AMC	Repetitive Pulsed Operation & High Power Output-LASER	290,741.03	(b)(6) (Com)
272	10	8600	8/10/61	OSD	Military Operations Rsch Center Feasibility Study	1,931,872.00	(b)(6)
273	2	7300	8/29/61	AEC	Optical Masers	559,000.00	

SD-94  
SD-212  
SD-215  
SD-181  
SD-231

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
274	2	7300	8/31/61	AMC	Precision Light Weight-Off Axis & Aspheric Optics (Formerly AO #259)	\$ 99,850.00	(b)(6)
275 SD-49	3	8800	8/31/61	OSD	Command Control Rsch	12,403,000.00	
276	4	8100	9/14/61	AFTAC	Western Berkner-type Station	1,023,893.45**	
277	2	8100	9/22/61	AEC	Project GNOME	137,045.84	
278	4	7300	9/22/61	ONR	Interception, Guidance, and Control	1,609,447.00	
279	4	7300	9/19/61	AFOAR	Project DEFENDER Studies	4,344,000.00	
280	1	7300	9/22/61	BuWeps	Gun-Launching of AICBM	44,820.45	
281 SD-103	4	7400	9/27/61	OSD	Ext. of SRI Work(AO #52)	1,799,312.00	
282 SD-111	4	9900	10/ 2/61	OSD	Study of Collateral Damage from Nuclear Weapons	199,000.00	
283	2	9100	10/ 4/61	BuWeps	Combustion Instability Coordination Program	54,000.00	
284	4	7300	10/16/61	AFSC	Phased Backscatter Array Technique	601,226.25	(Com) Test/OSD

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
285	22	8600	10/ 9/61	BuWeps	Project AGILE-Prototype Weapons & Devices	\$4, 175, 895.25	(b)(6)
286	SD-117 1	8900	10/12/61	OSD	Geophysics Corp. of America, BATON	95, 985.00	Completed
287	SD-105 1	9900	10/16/61	OSD	Crisis Rsch. Project	85, 640.00	Test/ (b)(6) (ISA)(Com)
288	SD-101-GY 3 SD-145-03	8100	10/12/61	OSD	Rs ch Program into Nature of Seismic Propagation Mech.	1, 154, 000.00	(b)(6)
289	3	9500	10/19/61	NBS	Rs ch in Materials Science	310, 000.00	
290	SD-118 2	9500	11/ 7/61	OSD	National Academy of Sciences for MAB	1, 205, 000.00	
291	2	9800	11/ 9/61	AFSC	Rocket Powered MHD Generator	1, 116, 000.00	
292	17	8100	11/24/61	AFOAR	VELA-Uniform Rsch. Program	25, 227, 148.00	
293	11	8600	12/11/61	AMC	Dev. of Wire Gun, Influence Fuses, & Concession Kits for Standard Munitions	659, 905.27	
294	18	8600	12/11/61	AMC	CARIBOU Flex Wing Aircraft Ballistic Protection	3, 033, 250.09	

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*	
295		9900	1/29/62	AFOAR	Expenses of U. S. Delegation to Congress of Physiological Sciences	\$ 5,000.00		
296	1	7300	12/18/61	AMC	RF Pulse Compression Tech.	150,984.00	(b)(6)	
297		7200	12/22/61	AMC	Radiation Effects Research	130,000.00		
298	5	8600	12/21/61	OSD	AR-15 Rifle Prog-AGILE	430,590.42		
299	6	8600	1/11/62	ONR	Tropical Propagation Rsch.	609,692.42		
300	3	9800	1/17/62	ONR	Electrochemistry	650,845.00		
301	3	9100	1/17/62	ONR	Decomposition Kinetics & Sensitivity of Fluorine Nitrogen	595,300.00		
302	2	9800	1/17/62	ONR	Electrochemistry of Fuel Cell Electrodes	601,900.00		
303	<i>SD-121</i> <i>SD-144</i>	9900	2/ 5/62	OSD	Internal Security Forces	153,100.00		Test/ (b)(6)
304	1	7400	3/28/62	AFSC	WV-2(PREP) Program	1,779,013.78		(b)(6) Com)
305	1	8600	3/13/62	N/M&S	Medical Rsch (AGILE)	77,000.00		(b)(6)
306	2	7300	2/ 8/62	ONR	LASER Program	9,305,000.00		

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
307	3	7200	2/13/62	AFSC	IR Detector; TREE Experiments; Delayed Gamma Rays From Uranium Fission	\$ 340,000.00	(b)(6)
308	1	7900	2/13/62	AFSC	BAMBI Phase II Support Prog	544,708.20	(b)(6) Com (b)(6)
309	5	7200	2/16/62	AFSC	Plasma Turbulence	828,653.79	(b)(6)
310	2	7200	2/12/62	DASA	STAR FISH	2,152,490.00	(b)(6) Com (b)(6)
311	6	9100	2/16/62	ARO	Solid Fluorine Oxidizers	929,038.00	(b)(6)
312		7300	2/19/62	AFSC	Project O-T-H	500,000.00	(b)(6) Com)
313	5	7300	2/26/62	AFSC	Impulsive Loading Rsch	1,800,000.00	(b)(6)
314	2	9100	3/ 1/62	ONR	Inorganic Chemistry of the Higher Fluorine Oxides	217,785.00	(b)(6)
315	3	9100	3/ 5/62	AFOAR	Thermodynamics of Binary Metal Oxide Systems	147,899.00	(b)(6)
316	2	9500	3/12/62	AFOAR	Equipment Grants	674,213.91	(b)(6)
317	16	9100	3/13/62	AFOAR	Combustion Irregularities in Solid Propellants	2,602,711.82	(b)(6)
318	3	7300	3/14/62	AMC	High Power Tube Windows	1,237,438.32	(b)(6)
319	3	7200	3/13/62	AFOAR	Atoms, Molecules & Plasmas	875,000.00	(b)(6)

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
320		7300	3/15/62	Sec/AF	TEAR DROP	\$ 239,009.42	(b)(6) (Com)
321	1	7900	3/21/62	DASA	Low Altitude Nuclear Blackout Problem	525,000.00	(b)(6) (Com)
322	4	7400	3/21/62	ONR	Missile Phenomenology	2,747,000.00	(b)(6)
323	<i>SD-rvs</i> 1	9900	3/21/62	OSD	Unilateral Arms Control	171,300.00	Test/ (b)(6) ISA) (Com)
324	<i>Review</i> 24	8600	3/23/62	OSD	Studies of Guerrilla Operations & Firepower Requirements for Remote Area Conflict	6,327,973.00	(b)(6)
325		9800	3/29/62	ONR	Lowering Static Gas Temperature in MHD Generators	220,000.00	
326	1	9800	3/26/62	ONR	Novel Seeding Materials, rf, & Direct-Discharge Ionization	199,728.12	
327	3	9800	3/26/62	ONR	Atom Excitation	549,500.00	
328	2	9100	3/30/62	BuWeps	Synthesis of High Energy Compounds	166,350.00	
329	3	8600	4/10/62	A/R&D	Operations Rsch; Use of Shotguns-AGILE	425,000.00	
330	2	7900	4/ 6/62	AFSC	Critical CHEOPS Concept Elements	1,231,000.00	

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
331	1	7300	4/ 9/62	AMC	High Power Aspects of Beam-Plasma Amplifiers	\$ 499,975.24	(b)(6)
332	2	9100	4/ 9/62	OAR	Deflagration of High-Energy Solid Oxidizers	180,291.00	(b)(6)
333		7300	4/10/62	AFSC	Antenna Array	210,000.00	
334 SD-133	2	7200	4/12/62	OSD	Ballistic Missile Re-entry Systems Program	494,320.00	
335	1	7300	4/10/62	ONR	VLF Phase Msmts	14,110.00	(b)(6) Com)
336	2	7300	4/12/62	AMC	VLF Forward Scatter Exps.	375,710.58	(b)(6)
337	4	7900	4/16/62	AMC	Hard Point Defense Concept	3,979,200.00	
338 SD-132	1	9500	4/19/62	OSD	Crystal Growing	692,891.00	
339	2	9500	4/19/62	OAR	Crystal Perfection	306,264.10	
340	1	7300	5/ 3/62	AMC	Two-Dimensional High Resolution Radar Technique	322,512.00	
341 SD-134	3	7200	4/26/62	OSD	Penetration Aids	1,064,000.00	
342 SD-136	5	7200	4/26/62	OSD	Penetration Aids	2,217,939.00	
343 SD-135	3	7200	4/26/62	OSD	Penetration Aids	684,120.00	
344 SD-137	3	9900	4/26/62	OSD	Strategic & Political Factors Affecting Use of Threat of Force	676,252.00	(b)(6) /Test (ODDR&E)

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*	
345	1	7300	5/ 1/62	AMC	High Power Multiple Beam	\$1, 275, 000. 00	(b)(6)	
346	2	9100	5/ 2/62	ARO	Preparation of Spherical Nitro- nium Perchlorate Particles	56, 399. 22		
347	4	7400	5/ 3/62	AMC	Hypervelocity Range Rsch.	2, 702, 624. 00		
348	1	9100	5/ 3/62	AFSC	Thermodynamic Properties of Beryllium Compounds	170, 985. 00		
349	2	9100	5/11/62	ARO	NF & OF Molecular Systems	208, 777. 60		
350	2	9100	5/11/62	OAR	Reaction Chemistry of Certain Compounds	558, 800. 00		
351	6	8600	5/18/62	AMC	Mobility Environment Rsch; Operation TROPICAN	275, 000. 00		
352	3	9100	5/11/62	AFSC	Synthesis of New Oxidizers for Solid Propellant Applications	500, 500. 00		
353	18	8600	5/18/62	AMC	JIGER, Gamma Goat, Trackmaster Vehicles	1, 016, 928. 77		
354	1	9100	5/11/62	ONR	NP Complexes	73, 487. 00		
355	3	7900	5/10/62	AMC	AMRAD Phase I Radar	1, 250, 000. 00**		(b)(6) Com)
356	4	7300	5/15/62	OAR	LASER Research	3, 937, 000. 00		(b)(6)
357	1	9100	5/11/62	AMC	Acoustics of Solid Propellant Burning Instability	116, 600. 00		



Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
358	4	8600	5/18/62	BuShips	Marsh-Screw Vehicles	\$ 429,220.00	(b)(6)
359		8600	5/16/62	AMC	Projectile Penetration in Non-Metallic Composites-AGILE	196,000.00	
360	4	7400	5/22/62	AMC	Theoretical & Analytical Base Flow & Wake Studies	804,634.00	
361		7400	5/22/62	BuWeps	Countermeasures to BMs During Powered Flight	325,000.00	
362	5	7400	5/22/62	AFSC	Upgrade Msmts Capability of RAMP Aircraft	3,303,000.00	
363	5	7400	5/22/62	OAR	Pickaback Msmts Program	2,893,550.00	
364		8900	6/ 7/62	ONR	Equipment for Basic Rsch	100,000.00	
365 SD-66	3	7300	6/ 1/62	OSD	Data Collection & Analysis Center	1,105,601.00	
366	2	9100	6/ 1/62	ARO	Borane Chemistry Programs	339,500.00	
367 SD-741	5	7900	6/ 1/62	OSD	Terminal Ballistic Attack Gaming	1,672,000.00	
368	1	7200	6/ 4/62	ARO	Quantum-Mechanical Calculation of Gaseous Molecules	490,000.00	
369	3	7300	6/14/62	ONR	Discrimination Techniques for Imaging Devices	404,716.00	

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
370	1	8800	6/ 6/62	CE	Engineers Survey	\$ 459,000.00	(b)(6)
371	9	8600	6/ 7/62	AMC	Project SEACORE; AN/TRC-77 Communication Sets	9,047,500.00	(b)(6)
372	SD 143 2	7200	6/14/62	OSD	Penetrability Study	154,300.00	(b)(6) Com)
373	2	9500	6/14/62	NBS	Crystal Growing & Analysis 2,	320,000.00	(b)(6)
374	1	7300	6/21/62	OAR	HIT AB/TABSTONE Program	315,000.00	(b)(6)
375	3	7300	6/29/62	AFSC	Resolution Transformer Tech.	455,905.29	(b)(6)
376	1	7300	6/28/62	NBS	Msmts & Standards for IR Optical Materials	366,000.00	(b)(6)
377	5	8600	6/29/62	AFSC	Radar Foliage Penetration Research	4,824,500.00	(b)(6)
378	1	7200	6/29/62	AFSC	Interactions of Arms Control & BMD	316,321.00	(b)(6)
379	3	7900	6/29/62	AFSC	Re-Entry Targets for AMRAD	2,500,000.00	(b)(6)
380	1	8100	7/29/62	NSF	International Seminar on Salt Deformation	26,000.00	(b)(6)
381		8300	7/13/62	Sec/AF	Indian Ocean Tracking Station for Project 698AM	20,000.00**	(b)(6)
382		9700	7/17/62	TSG	TORES Project	50,000.00	Test

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Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
383		9700	7/17/62	N/BuM&S	TORES Project	\$ 50,000.00	Test
384		9700	7/17/62	AFSC	TORES Project	151,683.00	Test(Com)
385	2	7400	7/31/62	AMC	PRESS Instrumentation on Board NIKE-ZEUS Target Vehicles	3,123,153.00	(b)(6)
386	12	8600	8/10/62	N/PO	Air Drop Locator & Jungle Squad Radio	561,255.00	
387	1	9100	9/11/62	USARO	Investigation of Metal Hydrides	148,781.00	
388	1	7300	8/ 3/62	AFSC	Superpower Amplitron Development	1,900,000.00	
389	2	7400	8/15/62	CE	Project AMOS	49,000.00	
390	3	8600	8/15/62	AMC	Evaluation of Materials for Ballistic Protection	220,000.00	
391	SD-146 3	8800	8/28/62	OSD	Basic Studies in CCR	4,790,300.00	
392	2	7400	9/12/62	OAR	Logistical Support at AMR	450,000.00	
393	3	7400	9/10/62	AMC	Re-entry Physics Rsch	611,536.00	
394	3	8100	9/13/62	AEC	Project DRIBBLE	15,787,000.00	
395	2	9100	10/ 8/62	NBS	Structure of Nitrogen-Fluorine	210,000.00	

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Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
396	SD-149 5	7200	10/24/62	OSD	Penetration Aids Studies	\$2,176,927.00	(b)(6)
397	(Cancelled) 1	8600	10/26/62	AMC	Tests of CARIBOU Aircraft	-0-	
398	1	9100	10/29/62	AFSC	Rsch on Solid Oxidizers	207,700.00	
399	1	9100	11/ 3/62	ONR	Rsch in the Area of High Energy Oxidizers	319,000.00	
400	5	8600	11/19/62	AMC	Mobility Environment Rsch	2,741,000.00	
401	2	9100	11/ 1/62	NPP	Fuel Research	1,026,000.00	
402	3	9100	11/ 2/62	USARO	Rsch in the Area of High Energy Oxidizers	1,488,232.12	
403	5	8600	11/13/62	CNO	Self-Contained Doppler Navigation System	600,684.00	
404	2	7400	11/16/62	AFSC	Support of the Airborne PRESS Project	215,000.00	
405	1	9100	11/19/62	BuWeps	Solid Propellant Rsch	1,414,800.00	
406	2	9100	11/19/62	AMC	Solid Propellant Rsch	2,095,222.00	
407	1	9100	11/19/62	BuWeps	Rsch on Superhydrides	443,700.00	
408	(Cancelled) 1	8100	11/19/62	AEC	Tatum Dome Mineral Rights for Project DRIBBLE	-0-	
409	1	8600	11/27/62	AMC	Combat Surveillance & Target Acquisition R&D Program	875,000.00	

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
410	1	9100	12/ 7/62	ONR	Explosion Limits of Selected NR-Compounds	\$ 123,318.00	(b)(6)
411		9900	1/ 3/63	ONR	Study of Problem of Succession in USSR	10,000.00	Test (b)(6) ISA)
412	<i>SD-153</i> 1	9900	12/ 7/62	OSD.	Rsch Study-Harvard	76,125.00	Test (b)(6) ISA)
413		7200	12/10/62	AFSC	Re-entry Noise Investigation	38,000.00	(b)(6)
414		8600	12/18/62	NOL	Thin Film Semi-Conductor Elements on Magnetometers	50,000.00	
415	2	8600	12/26/62	USARO	Physical Environment Methodology	700,000.00	
416	1	9100	12/26/62	BuMines	Thermodynamics of Organic Derivatives of Lighter Elements	145,000.00	
417	3	9100	1/10/63	ONR	Oxidizer Rsch Program	587,548.00	
418	2	9500	1/ 3/63	NRL	Preparation & Characterization of Pure Materials	926,000.00	
419	1	9100	1/16/63	BuWeps	Heats of Formation of B-C-N-H Fuels	99,750.00	
420	2	9800	1/16/63	ONR	Spectroscopic Study in Seeded Noble-Gas Systems	452,550.00	

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*	
421	2	9500	2/19/63	OAR	Materials Preparation	\$ 624,907.00	(b)(6)	
422	SD-162 2	8800	1/18/63	OSD	Time-Sharing of Computers CCR	290,056.00		
423	1	8600	1/30/63	AMC	Chemical Control of Vegetation	1,000,000.00		
424	1	8600	1/30/63	Agric.	Phytotoxic Chemicals	720,000.00		
425	SD-180 1	7200	2/20/63	OSD	Penetrability Study	210,817.00		
426	1	7300	2/18/63	AMC	High Power Gas Duplexers	215,000.00		
427	1	8700	1/18/63	OAR	Rsch on Foreign Communi- cations & Defense	602,500.00		
428	SD-163 2	8800	1/18/63	OSD	Computer Aids	303,750.00		
429	SD-169	9900	1/18/63	NOTS	Support for Project Michelson	38,500.00		(b)(6)
								(ISA) Test
430		9800	3/28/63	AMC	Reformer Fuel Cell Units	549,000.00		(b)(6)
431	1	8700	2/11/63	OAR	Psychological Aspects of Signal Detection	95,375.00		
432		8100	2/ 6/63	CE	Tatum Dome Mineral Rights	55,000.00**		
433	3	8800	2/11/63	ONR	Computer Systems	8,447,700.00		

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
434	.	8700	2/18/63	AFSC	Human Info. -Processing and Decision-Making Behavior	\$ 110,000.00	(b)(6)
435	1	8600	2/19/63	USMC	Intrusion Detection Systems	24,797.67	(b)(6)
436	1	7300	2/14/63	AMC	Electrostatically Focused Klystrons	250,000.00	(b)(6)
437		9800	2/18/63	AMC	Electrochemistry	140,000.00	(b)(6)
438	SD-167 1	9900	3/ 7/63	OSD	Aircraft for Tactical Air Missions	58,500.00	(b)(6)
439		8300	3/ 7/63	OSD	Liquid Nitrogen	3,766.50	(b)(6)
440		7300	2/28/63	AMC	Electromechanical High Power	95,000.00	(b)(6)
441	2	7200	3/ 7/63	AFSC	Limitations of Advanced Decoys	1,940,000.00	(b)(6)
442	1	9100	3/14/63	ONR	Oxidizer Research	85,091.00	(b)(6)
SD-170 443		9900	3/ 7/63	OSD	Conference on Problems of Hemisphere Security	9,850.00	(b)(6) (ISA)
444	1	9500	3/19/63	OAR	Crystal Growth	144,271.00	(b)(6)
445	1	9100	3/18/63	AMC	Rsch on Combustion of Solid Propellants	130,300.00	(b)(6)

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitments	Project Manager*
446		9500	3/14/63	OSD	Rsch on Electronically Active Materials	\$ 740,400.00	(b)(6)
447	1	9500	3/19/63	OAR	Materials Preparation	310,985.00	(b)(6)
448		9900	3/14/63	OSD	Study on "Law in Limited International Conflict"	29,900.00	(b)(6) ISA)
449	1	7300	3/21/63	AFSC	Optical Techniques & Devices	402,600.00	(b)(6)
450	1	7300	3/21/63	OAR	Optical Techniques & Devices	407,100.00	(b)(6)
451		9100	3/21/63	NSF	International Symposium on High Temperature Technology	3,600.00	(b)(6)
452		9800	3/19/63	NASA	Interagency Advanced Power Group	35,000.00	(b)(6)
453	1	7400	3/26/63	AMC	Precision Optical Msmts	2,286,930.00	(b)(6)
454		8700	3/22/63	ONR	Human Interaction and Communication	287,000.00	(b)(6)
455	1	7300	3/28/63	ONR	Optical & IR Masers	400,000.00	(b)(6)
456	2	9500	3/28/63	ONR	Structural & Material Fatigue	755,000.00	(b)(6)
457	SD-183	8800	3/29/63	OSD	Heuristic Programming and Theory of Computation	420,000.00	(b)(6)
458	1	9100	3/28/63	ARO	Optical Spectra of Light Metal Combustion Products	125,400.00	(b)(6)



Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*	
459	2	7200	3/28/63	AMC	Active Electronic Counter-measures	\$7,587,000.00	(b)(6)	
460	2	7300	3/28/63	AMC	Hypersonic Interceptor Control Research	494,701.00	(b)(6)	
461	2	8700	3/29/63	OAR	Human Performance Related to Info. Processing Functions	826,150.00	(b)(6)	
462	1	9500	4/ 4/63	ARO	Organic Crystalline Materials	600,000.00	(b)(6)	
463	1	7300	4/ 3/63	ONR	High Power Transmitter Techniques	241,065.00	(b)(6)	
464		7300	4/ 4/63	AFSC	Correlation Radar Study	46,000.00	(b)(6) Com)	
465		8100	5/24/63	NSF	World Seismic Computation Project	200,000.00	(b)(6)	
466	1	7400	4/ 8/63	AMC	Interpretation, Analysis, & Reduction of Data Obtained at Project FISHBOWL	449,000.00	(b)(6)	
467	SD-186	1	8800	4/ 9/63	OSD	Capture Textual Tech. Info. in Machinable Form	200,000.00	(b)(6)
468	SD-187	1	8700	4/ 9/63	OSD	Rsch in Behavioral Sciences	450,000.00	(b)(6)
469		7200	4/20/63	AEC	Penetrability Study	130,000.00	(b)(6)	
470	1	9100	4/15/63	ARO	Oxidizer Research	190,850.00	(b)(6)	

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
471	<i>SD-184</i> <i>SD-185</i>	8800	5/ 3/63	OSD	Computer Network & Time-Sharing Research	\$1, 724, 500.00	(b)(6)
472		8700	5/16/63	OSD	Metabolic Aspects of Brain Processes	300, 000.00	
473	2	7300	4/19/63	ONR	Signature Recognition Investigation	208, 344.00	
474		7300	4/23/63	AMC	Development of S-F-D 400 Tube	200, 000.00	
475	<i>Review</i>	7900	6/10/63	OSD	Anti-Satellite Studies	2, 618, 330.00	
476	<i>Review</i>	7300	5/29/63	OSD	High-Altitude Tethered Balloon System	125, 000.00	
477		9500	6/13/63	ONR	Spin Lattice Relaxation	30, 000.00	
478	1	9800	6/28/63	ARO	Physico-Chemical Study of Electrode Fuel Reactions	399, 988.00	
479	1	7900	5/ 7/63	BuWeps	Atmospheric Launched Boost Intercept	1, 240, 000.00	
480	<i>SD-241</i> <i>SD-243</i>	8600	6/28/63	OSD	Airborne IR Photographic Techniques in Tropical Mt. Areas	472, 227.00	
481		8600	5/10/63	AFSC	Defoliation Spray System	403, 000.00	
482	3	7400	5/22/63	A/Eng	Construction of AMOS	766, 618.00**	

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*	
483		8600	6/ 3/63	DCS/ S&L	Aircraft Support in SE Asia	\$ 400,000.00	(b)(6)	
484	1	8600	6/ 6/63	CIA	SEA CORE Instrumentation	1,640,000.00		
485	1	8100	6/28/63	USGS	Interpretative Atlases of the Sino-Soviet Bloc	500,000.00		
486	3	8100	6/19/63	AMC	Continuation of Reflect. Variation Caused by Vegetation Damage	294,319.00		
487	1	8600	6/28/63	AMC	Development of Improved Shotgun/ Ammunition Systems for SE Asia	149,521.00		
488	1	8600	6/28/63	ALWL	Mobility Environmental Rsch	310,380.00		
489(Cancelled)		7900	6/28/63	DASA	CLASSIFIED Project	-0-		
490 <i>SD-207</i>	2	8500	6/27/63	OSD	Project CLOUD GAP	1,155,262.00		
491	2	7200	7/15/63	OAR	Feasibility Studies	2,292,650.00		
492	1	7200	6/28/63	ARO	Joint Institute for Lab Astrophysics	1,857,000.00		
493 <i>SD-206</i>	1	9900	7/ 5/63	OSD	Post Attack Recovery Prog.	283,400.00		
494		9900	6/28/63	OSD	Study on International Control Commission in Laos & Vietnam	16,800.00		(b)(6) (ISA)
495		9900	7/12/63	OSD	Air Defense Requirements for Far East	9,000.00		(ISA)

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*	
496	2	8600	7/24/63	OSD/FU	FY 64 F. U. Support	\$402,000.00	(b)(6)	
497	2	8600	7/24/63	OSD/FU	F. U. Support	140,000.00		
498		7300	7/24/63	AFSC	Radar Discrimination Technology Program	4,600,000.00		
499		8200	7/17/63	AMC	Detection of High Altitude Nuclear Tests	100,000.00		
500	2	8400	7/18/63	OAR	On-Site Inspection Prog.	2,604,500.00		
501		7200	8/ 1/63	ARO	Chemical Reaction Kinetics	180,150.00		
502		9100	7/30/63	ARO	Fuel Research	99,700.00		
503	<i>SD-218</i> 2	9900	8/ 1/63	OSD	Techniques for Applying Quantitative Estimates of Military Value to Incentive Contracts	49,961.00		Test
504	1	9800	8/ 2/63	GSA	Interdepartmental Energy Study	32,300.00		(b)(6)
505	1	7300	8/14/63	AFSC	Wide-baseline Correlation Interferometer Equipment	1,280,833.00/		
506		7900	8/ 8/63	AMC	AMRAD Msmts. Program	250,000.00		
507	<i>SD-221</i> <i>SD-225</i> 2	8100	8/21/63	OSD	DRIBBLE	39,000.00		

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
508	SD-219	9900	8/27/63	OSD	Availability of Scientific Info. to Technical Personnel in Defense Activities	\$ 298,800.00	(b)(6)
509		8600	9/ 3/63	OSD	Dawee Building - Joint Lab & Office Facility (MRDC Bldg.)	145,000.00**	
510	2	7300	9/ 3/63	AMC	HiBEX	16,545,000.00	
511	1	7400	10/11/63	AFSC	TRUMP	475,000.00	
512	1	8100	10/ 2/63	AFSC	Monitoring Seismological Observatories	1,390,000.00	
513	1	7300	10/25/63	AFSC	City Defense Radar	3,150,000.00	
514		7200	10/23/63	AMC	Nuclear Cross Section Msmts	25,000.00	
515		7300	10/25/63	NBS	Radar Standards Program	625,000.00	
516	1	7300	10/30/63	AMC	Hardpoint Defense Demonstration Radar	2,250,000.00	
517		7300	1/16/64	AMC	High Voltage dc Vacuum Breakdown	300,000.00	
518		7900	11/ 8/63	OSD	ARPA Travel	150,000.00	P.M.
519		8100	11/ 7/63	USC & GS	Local Seismic Characteristics	39,955.00	(b)(6)

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
520	1	7300	11/27/63	AMC	Re-entry Wake Characteristics	\$3,032,200.00	(b)(6)
521		8200	11/13/63	NBS	Facility Construction	50,000.00**	
522	1	8800	11/21/63	ONR	National Language Theory	150,400.00	
523		8500	12/ 3/63	A/R&D	CLOUD GAP	50,000.00	
524	SD-246 SD-248	7900	3/ 3/64	OSD	ABM Systems	1,240,000.00	
525	1	7400	12/10/63	AMC	Re-entry Physics Rsch	1,249,825.00	
526		7400	12/10/63	OAR	Oscillator Strengths	40,300.00	
527		8400	12/ 6/63	USGS	Surface Manifestations of Underground Nuclear Explosions and Earthquakes	25,000.00	
528		8600	12/ 7/63	AMC	Environmental Test & Evaluation of Selected Weapons	250,000.00	
529		7300	1/20/64	ONR	Electromagnetics Rsch	1,000,000.00	
530	1	7300	12/10/63	AMC	Acoustic Measurements	100,626.00	
531		9100	12/20/63	AMC	Stabilizing Hydrogen Peroxide	105,300.00	
532	4	8500	1/14/64	CS/USAF	Project CLOUD GAP	350,000.00	
533	1	8100	1/20/64	C&GS	Seismological Research	616,800.00	

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
534	<i>SD-152</i>	7900	3/23/64	OASD	SLBM Problem Study	\$ 200,000.00	(b)(6)
535		8600	2/ 6/64	AMC	Heat Flux Weapon Rsch	667,800.00	
536	1	7900	1/20/64	OASD	Journal of Missile Defense Research	26,000.00	
537	1	7200	1/21/64	OSD	Nuclear Weapon Effects	41,000.00	
538		8600	1/21/64	ARO(D)	Counter-Guerrilla Surveillance Processes	925,583.00	
539		7300	1/29/64	AMC	HiBEX (Construction of Facilities)	500,000.00**	
540	1	7200	2/13/64	AFSC	Satellite Protection Systems	-0-	
541		8400	2/18/64	DASA	VELA CLOUD GAP	190,000.00	
542		9100	2/21/64	ARO(D)	Stability of Oxidizers	50,400.00	
543		8600	3/ 5/64	AFSC	Anti-personnel Bomblet	200,000.00	
544		8600	3/10/64	Asst SD (CD)	Investigation & Analysis of Small Fires	111,900.00	
545		9100	3/ 5/64	AMC	Propellant Scale-up Studies	962,900.00	
546		7300	3/ 5/64	AMC	Re-entry Studies	218,000.00	
547		8600	5/15/64	ARO(D)	Flex-Wing Vehicles	84,000.00	

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
548		8400	3/13/64	BuShips	VELA CLOUD GAP	\$ 50,000.00	(b)(6)
549		8600	4/ 8/64	SG/A	High Terrestrial Altitude Research	100,000.00	
550	1	7300	3/23/64	AFSC	High Power Phase Shifters	495,000.00	
551		7300	3/26/64	ASA	Project Sugar Tree	172,000.00	
552		7300	3/31/64	AMC	Hypervelocity Impact & Energy Coupling	350,000.00	
553		7400	3/31/64	ARO(D)	Materials Research	720,000.00	
554		8400	4/ 7/64	BuShips	VELA CLOUD GAP	200,000.00	
555		8600	5/14/64	CNO	Riverine Warfare	150,000.00	
556		7300	4/ 3/64	OAR	TV Light Amplifier Mismts	30,000.00	
557	SD-254	7200	4/ 3/64	OASD	Penetration Systems Study	150,000.00	
558		7200	4/ 3/64	AFSC	Thin Film Radar Absorbing Materials	176,500.00	
559		7300	4/ 3/64	AMC	Optical Devices	750,000.00	
560		7200	4/ 8/64	DASA	Materials & Structures Rsch	150,000.00	
561		7200	4/13/64	AFSC	Electronics Counter Counter-measures Techniques	151,500.00	



Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
562		7300	4/16/64	ONR	Flow Field Calculations	\$ 50,500.00	(b)(6)
563		8600	3/31/64	AFSC	Anisotropic Liquid Rsch	118,975.00	
564		8700	4/ 3/64	ONR	Computer-Aided Teaching Systems	181,200.00	
565		7200	4/16/64	AMC	Pyrotechnic Penetration Aids	50,000.00	
566		9800	4/16/64	AMC	Fuel Cell Research	300,000.00	
567		7200	5/15/64	NOL	Characteristics & Applications of Novel Configuration Re-entry Bodies	117,000.00	
568		7300	4/16/64	ONR	Optical Technology	120,000.00	
569		7200	4/23/64	AFSC	Re-entry Vehicle Manuvering Problems	338,000.00	
570		7200	4/30/64	ARO(D)	Radiation Physics & Aerodynamics Research	1,585,000.00	
571		8600	5/12/64	AMC	Feasibility Security Study	50,000.00	
572		8600	5/ 9/64	AMC	Fabrication & Technical TDY Support	100,750.00	
573		7300	5/ 9/64	ASA	Security Studies	100,000.00	
574		8600	5/12/64	ONR	Mekong Delta Problems	80,000.00	

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
575		7900	5/14/64	AMC	Hard Point Defense	\$ 300,000.00	(b)(6)
576		7200	5/15/64	ONR	Re-entry Vehicle Stability	80,600.00	
577		7200	5/15/64	OCD OSA	BMD Survey	25,682.00	
578		8600	5/19/64	A Res C/R&D	Bio-Ecological Study in Tropical Latitudes	280,000.00	
579		7200	5/15/64	SPO/N	Novel Configuration Re-entry Bodies	158,718.00	
580		8600	5/21/64	NIH	World Nutritional Diseases & Rations Research	100,000.00	
581		8600	5/21/64	NOTS	Modular Audio Visual Units	80,000.00	
582	SD-222	7300	6/30/64	OSD	Study of Capability of Radio- graphic Methods	91,000.00	
583	SD-261	7200	5/26/64	OSD	AICBM Constraints	350,000.00	
584		9500	6/ 2/64	AMC	AMRA Participation	3,130.00	
585		7300	6/16/64	NOTS	UV&IR Filter-Detector Tech.	50,000.00	
586	SD-260	8700	6/ 2/64	OASD	Behavior in Internat'l Systems	274,200.00	
587	SD-266	8700	6/ 9/64	OASD	Pattern Recognition & Problem Solving Processes	42,900.00	

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
588	SD-762	7900	6/ 4/64	OASD(OR)	Summer Defense Science Seminar	\$ 94,820.00	PM (b)(6)
589	SD-765 1	8700	6/ 9/64	OASD(OR)	Teaching & Learning Research Program	277,100.00	(b)(6)
590		7900	6/ 9/64	AMC	Chemical Atmospheres Systems Study in BMD	188,000.00	(b)(6)
591	SD-259 SD-283	8100	6/ 9/64	OASD(OR)	Detection & Classification of Seismic Events	53,000.00	(b)(6)
592		8600	6/12/64	ARO (CR&D)	Counterinsurgency Info. Analysis Center	252,000.00	(b)(6)
593		7900	6/12/64	OSD	Refund of Misc. Trans. Charges		PM
594		7200	6/30/64	NOTS	Tethered Ballon System	35,000.00	(b)(6)

\* The Project Manager is the official point of contact on ARPA Orders.  
 \*\* Military Construction Funds.

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Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
595		7300	7/9/64	AMC	Project UpSTAGE	\$ 615,000	(b)(6)
596		7300	8/18/64	AFSC	Anti-Satellite Program	750,000	
597		5860	10/6/64	Beirut	Support Services	10,000	
598		8600	7/28/64	NOTS	Helicopter Trap Weapon	106,000	
599		8100	7/21/64	AFTAC	VELA Large Array	500,000	
600		7400	7/21/64	AFSC	Operation of PRESS and Re-entry Physics Program - Lincoln Lab	13,000,000	
601		8600	7/28/64	USALWL	Five Single Frequency Repeaters	50,790	
602	S.D. 278	7300	8/1/64	OSD	Electrolytic Recording Techniques	40,000	
603		8600	8/26/64	BuWeps	Target Markers	40,000	
604		8600	9/11/64	AFSC	Materials provided by AF Materials Laboratory	25,000	
605		7200	9/8/64	AFSC	Satellite Survivability	131,000	
606		7900	8/24/64	ONR	Security Administration for AO #588	5,285	
607		8600	8/28/64	BuShips	Hydro-ski Test Craft	75,000	
608		8600	8/28/64	NOL	Hypervelocity Cluster-Warhead Antipersonnel Aerial Weapon	300,000	

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Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
609		8600	8/28/64	AMC	Ion-specific Permeable Membrane	\$ 99,750	(b)(6)
610		8100	8/28/64	BuWeps	VELA Underwater Research	200,000	
611		8100	8/28/64	AEC	Unmanned Seismological Observatory (USO)	575,000	
612		8100	9/4/64	OAR	Research on Aftershock Sequences	174,000	
613		9100	9/19/64	AMC	Sensitivity Fundamentals of NF Compounds	10,877	
614		9100	9/19/64	NPP	<del>XXXXXXXXXX</del> <i>Beany</i>	217,600	
615		9100	10/15/64	ONR	Tritiated Bifluoride Single Crystals	95,400	
616		7900	9/4/64	AMC	AMRAD Targets	1,110,825	
617		8800	9/8/64	AFSC	Battlefield Illumination	604,500	
618		8600	9/8/64	ONR	Remote Sensing of Environment	10,000	
619		7300	9/11/64	AFSC	Prismatic Compensation	150,000	
620		8100	9/29/64	USCGS	VELA Seismological Research	675,000	
621		8100	9/29/64	DASA	VELA Seismological Research	200,000	
622		8600	9/11/64	AFSC	KONTAX Incendiary	250,000	
623		8600	1/25/65	ARPA RFO(LA)	Panama	10,000	
624	(Formerly Under AO#104)	8100	10/10/64	AFTAC	VELA-Uniform	7,250,000	

Order No.	No. of Amendments	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
625		7400	10/10/64	AFSC	REX Cross Section Measurements	\$ 50,000	(b)(6)
626		8600	1/2/65	AFSC	2.75-Inch Warhead	302,250	
627		8800	11/3/64	OAR	Bilateral Communication Between Men and Machines	181,300	
628		8800	11/3/64	ONR	Computerized Mathematical Lab	251,500	
629		7900	11/2/64	OSD	Charges from the Army Mgmt. Fund (Military Construction)		
630		8200	11/3/64	ONR	Study - Radiation Trapped in the Earth's Magnetic Field	5,000	(b)(6) NTD
631		8200	11/5/64	AEC	Air Fluorescence Detection Res.	150,000	(b)(6) NTD
632		8600	11/24/64	ARO	AGILE Communications Study	251,875	(b)(6)
633	SD-281	9900	12/1/64	OSD	Tactical Info. Systems	109,220	
(634)	SD-285	7300	11/10/64	OSD	Atmospheric Transmission	200,000	(b)(6)
635		8200	12/10/64	OAR	Magnetohydrodynamic Wave Propagation in the Ionosphere	123,300	(b)(6) NTD
636		8600	12/24/64	AGRIC.	Detection of Small Heat Sources	199,375	(b)(6)
637	SD-286	8700	11/24/64	OSD	On-Line Computer Studies of Bargaining & Negotiation Behavior	92,600	

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638		7300	11/24/64	AFSC	Atmospheric Transmission	\$100,000	(b)(6)
639		8600	12/1/64	AMC	Four Formation Flying Devices (Station-keeping Radar)	278,000	
640		8200	12/1/64	AMC	Research on Magnetohydrodynamic Waves due to High Altitude Nuclear Explosions	83,000	(b)(6) NTD
641		8200	12/1/64	AFSC	Reports from Open Foreign Literature	200,000	(b)(6)
642		8100	12/3/64	OSD	Seismological Experiments off the Coast of Alaska	17,876.11	
643		9100	12/18/64	ARO	Propellant Chemistry	34,000	
644		9100	12/18/64	ARO	Propellant Chemistry	45,340	
645		9100	12/18/64	ARO	Propellant Chemistry	19,775	
646		9100	12/18/64	ARO	Propellant Chemistry	100,500	
647		9100	12/18/64	ARO	Propellant Chemistry	82,780	
648		7400	12/10/64	AMC	NIKE-X Program	4,000,000	
649		8600	2/3/65	CIA	Neutron Activation Analysis	250,000	
650		8200	12/18/64	R&D	VLF-HF Propagation Studies	131,000	(b)(6) NTD
651		7400	12/18/64	NBS	Spectral Emissivity	35,000	(b)(6)

Order No.	No. of Amends.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager*
652		9800	12/22/64	Bu/Ships	Radiolabeled Sorption Studies on an Active Electrode	\$ 90,000	PM
653		8400	12/18/64	USGS	Surveying the SALMON Site	10,000	(b)(6)
654		8700	12/18/64	ONR	Bargaining and Negotiation	10,000	
655	S.D-302	8800	1/11/65	OSD	Research on Computer Construction	555,300	
656		9100	12/24/64	ONR	Investigations of the Spectra, Structure, and Reactions of the Simpler NF and OF Bonded Molecules	75,565	PM
657	S.D-245	8800	12/31/64	OSD	Develop a Language for use With a Reactive Typewriter	55,400	(b)(6)
658		8700	1/5/65	OSD	Grant to Prof. Wm. J. Gedney Study of Thai speaking peoples	3,000	
659		8200	1/11/65	ONR	Lightning Research at NMIMT	227,700	
660		7200	1/11/65	NRL	Laser Research Program	100,000	
661	Cancelled 3/4/65	7400	1/11/65	OSD	Ballistic Missile Radar Data	700,000	
662		8600	1/25/65	ARO	Operations Analysis in the field of Communications	251,800	
663		7200	1/11/65	AFSC	Nuclear Effects on ADAR	200,000	
664		8200	1/19/65	AFSC	EMP Data Summary Program	179,300	



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665		7400	1/16/65	ONR	Missile Phenomenology	\$ 91,150	(b)(6)
666	SD-294	9500	1/13/65	OSD	CCMRD Sampling Studies	1,500	(b)(6)
667		9900	1/13/65	WPAFB	Film - Engineers Can Retrieve Information	25,000	(b)(6)
668		7400	2/12/65	AMC	PRESS UHF/VHF Radar	1,000,000	(b)(6)
669		7900	2/11/65	ONR	HIT Feasibility Demonstration	500,000	(b)(6)
670	SD-296	8100	2/4/65	OSD	Study of LASA Signal Processing	49,200	(b)(6)
671		9100	2/5/65	OSD	JANAF Thermochemical Tables	42,221	PM
672		7300	2/5/65	AMC	Bibliography of Radar Reflection Characteristics	40,000	(b)(6)
673		8600	2/9/65	AMC	Lightweight Man-portable Flame-thrower	175,000	(b)(6)
674		7900	2/11/65	AMC	Optical Systems Studies for Terminal Defense	1,500,000	(b)(6)
675		7300	2/16/65	ARO	Laser Research	370,000	(b)(6)
676		7300	2/16/65	AFSC	Laser Systems Analyses	500,000	(b)(6)
677	SD-297 SD-298	7300	2/12/65	OSD	Advanced Sensors - ITEK and American Optical	160,610	(b)(6)
678		8200	2/23/65	NBS	Air Fluorescence Detection	110,000	(b)(6)

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679		7200	3/26/65	AMC	ECM Component Research	600,000	(b)(6)
680		7200	3/26/65	Bu/Weps	Liquid Ammonia Batteries	150,000	(b)(6)
681	SD 301	8600	2/19/65	OSD	Counterinsurgency Game Design Feasibility, and Evaluation Study	\$ 62,000	(b)(6)
682		9900	3/5/65	DSA	Phase II of User Need Study	250,000	(b)(6) ODDR
683		7900	3/5/65	AMC	Consolidation and Inventory of REDSTONE assets	96,600	(b)(6)
684	SD-317	7300	3/12/65	OSD	Radiation Detection Devices	86,482	(b)(6)
685	SD-318	7300	3/16/65	OSD	Detection of Subsurface Anomalies	27,383	(b)(6)
686		8600	3/12/65	AFSC	Airborne Interrogator/Receivers	350,000	(b)(6)
687		8600	3/22/65	OCRD	Isolating the Guerrilla (HERO)	95,000	(b)(6)
688		7300	3/16/65	AMC	Metal Detection Studies	240,000	(b)(6)
689	SD-305	7300	3/16/65	OSD	Field Intensity Nearness Study	94,316	(b)(6)
690		7300	4/6/65	OSD	Detection and Nullification Techs.	88,710	(b)(6)
691		8800	3/12/65	AFSC	Graphic Control and Display Process	645,000	(b)(6)
692		7300	3/13/65	AMC	Bulk Semiconductor Microwave Generation	200,000	(b)(6)
693		7200	3/16/65	OAR	ECM Antenna Performance	260,000	(b)(6)

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Order No.	No. of Amends.	Project Code No.	Date of Order	Agent	Program Title	Commitment	Program Manager*
694		5860	5/18/65	AMC	High Altitude Relay Systems Design	\$343,673	(b)(6)
695		7300	3/23/65	AMC	Beam-Plasma High Power Interactions	\$200,000	
696		8800	3/24/65	OAR	Use of IBM M-44 Computer	67,000	
697		8700	3/24/65	OSD	Social Change and Community Development	133,600	
698		8700	3/23/65	OSD	Law Enforcement in Developing Nations	24,900	
699		9500	3/22/65	OSD	Crystal Growth and Analysis Lab	459,100	
700		8800	3/24/65	OAR	CRT-Aided Semiautomatic Mathematics	226,690	
701	S.D. 315	7300	3/25/65	OSD	Develop Secure Telephone Instrument	98,000	
702		7400	3/25/65	AMC	Modifications on NIKE Target Track Radar No. 4	1,100,000	
703		7200	3/26/65	NBS	Gas Laser Data Review	100,000	
704		8200	3/26/65	AFTAC	Data Reduction and Analysis Program	34,000	
705		7200	3/26/65	AFSC	ECM Power Sources	100,000	
706		8600	3/26/65	OCRD	Counterinsurgency Mobility in Relation to Environment	109,500	

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707	SD-312	9900	3/30/65	OSD	Examine Production and Deployment of Solid Fuel U. S. ICBMs	\$ 93,000	(b)(6)
708		8600	4/1/65	USA, Hawaii	RVN Data Base System	35,000	
709		7400	3/26/65	AMC	Special ICBM Re-entry Tests at Woomera (SPARTA)	5,000,000	
710		7300	4/1/65	ASA	Project Cloud Cover	61,000	
711		7300	6/22/65	AFSC	Masker	102,700	
712		8600	4/6/65	AMC	Night Vision Devices Research	503,750	
713		7200	4/3/65	Bu/Y&D	Add'l Office space at AIO	156,500**	
714		7300	4/2/65	ARO	Equipment Grants - Optical	2,112,000	
715	SD-319	8800	4/13/65	OSD	Experimental Communications Lab	100,000	
716		8800	4/15/65	OSD	Conversational Use of Computers	512,100	
717	(Formerly AO#159/32)	8200	4/9/65	AFTAC	Cryo-Surface Air Samplers	68,500	
718		9500	4/5/65	OSD	Composites (Coupling Program)	2,000,000	
719		9500	4/5/65	AFSC	Composites (Coupling Program)	2,746,445	
720		9500	4/5/65	AMC	Composites (Coupling Program)	1,007,500	

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721		7200	4/6/65	OSD	Strategic Implications of BMD	\$ 25,000	(b)(6)
722		8200	4/14/65	DASA	Test Plan for BLUE ROCK Events	98,540	
723		7300	4/19/65	AFSC	Surface Waves in Phased Arrays	101,000	
724	<i>Cancelled</i>	7300	5/12/65	OSD	Physics Measurements	<del>120,400</del>	
725		8600	4/13/65	ONR	Mines and Mine Countermeasures in Unconventional Warfare	100,000	
<u>726</u>		7300	4/28/65	AFSC	Theoretical Analysis and Experimental Measurements Relevant to Remote Sensing	65,000	
727	(Formerly AO #491)	7200	4/22/65	AFSC	Nuclear Interference Studies	453,000	
728		8700	4/16/65	OSD	Extrapolation of Social Science to International Analysis	18,825	
729		8600	4/27/65	ONR	Surfing Mechanism Investigation	98,750	
730		9900	4/16/65	AFSC	Scientific and Technical Information Systems Analysis Assistance	110,000	
<u>731</u>		7300	6/1/65	NBS	Geodetic Accuracy	40,000	ODDR&E (b)(6)
732		9900	4/21/65	OSD	Telephone Support and Office Supplies for JASON Summer Studies	3,000	
733		7900	4/27/65	NMC	Refurbishing and Launching of eight CORPORAL Missiles	200,000	

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Order No.	No. of Amends.	Project Code No.	Date of Order	Agent	Program Title	Commitment	Program Manager*
734✓		8200✓	4/27/65	NBS	Acoustic Sensors	\$112,840	(b)(6)
735		7300✓	5/12/65	ONR	Hush I Program	40,300	
736✓		8700✓	6/29/65	ONR	Comparative Res. on Beh. Change in Developing Societies	1,262,000	
737✓		8700✓	5/7/65	ONR	Social Bases of Stable Rule	234,000	
738✓		8700✓	6/22/65	ONR	Ethnology and Ecology of the Lua and S'kaw Karen Hill People of NW Thailand	206,800	
739		7300✓	6/21/65	AFSC	Physics Measurements	121,400	
740✓		8600	6/1/65	ARO(A)	Environmental Data Base for Regional Studies in Humid Tropics	250,000	
741		7200✓	6/15/65	SPO(N)	PEN-X Task, Lockheed	55,000	
742		7300✓	6/7/65	AFSC	Radiological Detection Techniques	40,000	
743✓		8600✓	6/3/65	AMC	Instrumentation Support for Vehicle Testing in Tropical Environment	196,450	
744		7300✓	6/3/65	AMC	Advanced Angle Sensor	1,000	
745		5E30✓	7/20/65	AFSC	Optical Instrumentation Research	110,000	
746		7300✓	6/24/65	AFSC	Advanced Scanning Laser Radar	200,000	
747		7900✓	6/30/65	AFSC	CHESS	200,000	
748		8600	6/28/65	OSD	Counterinsurgency Policy Issues	265,000	

Order No.	No. of Amends.	Project Code #	Date of Order	Agent	Program Title	Commitment	Program Manager*
749		8200	6/30/65	ONR	Analysis of Low Latitude D and E Reg-	\$ 47,450	(b)(6)
750		8400	6/30/65	AEC	Studies of Potential Underground	15,000	
751		8200	6/30/65	ONR	Program in Atmospheric Acoustics	251,900	
752		6G10	7/1/65	OSD	Salaries and certain expenses of overseas units - Project AGILE (Replaces AO #245)	100,000	
753		6E20	7/15/65	AFSC	Research on a Radio Frequency Space Mirror	154,000	
<del>754</del>		<del>5E30</del>	<del>7/20/65</del>	<del>AFSC</del>	<del>Optical Instrumentation Research</del>	<del>110,000</del>	
754		5G50	7/16/65	AEC	Seismic Detection Studies	350,000	
755		6E30	8/17/65	OAR	High Altitudes Tethered Balloon Res.	150,000	
756		6E30	8/17/65	ONR	High Altitudes Tethered Balloon Res.	160,000	
757		5E30	7/27/65	AFSC	Low Level Radiation Equipment Experiments	10,000	
758		5E30	7/27/65	AFSC	Methods for Achieving Security in Rooms	147,000	
759		6F10	7/27/65	OSD(F&S)	Equipment for USGS	6,000	
760		6G30	9/7/65	OSD(F&S)	Rural Pacification Program in VN	9,780	

Order No.	No. of Amends.	Project Code No.	Date of Order	Agent	Program Title	Commitment	Program Manager*
761✓		6G20✓	8/10/65	OCRD	Geographic Distribution of Infectious	\$ 85,700	(b)(6)
762 ✓		6K10 ✓	8/9/65	ALOO	Transporting 50 Participants of UCLA Summer Studies	1,018	PM.
763		6E30 ✓	8/7/65	AFSC	METEOR & METEORITE	390,000	(b)(6)
764		6G20	8/10/65	AMC	Individual Lift Device	2,010,000	(b)(6)
765		6E30 ✓	8/12/65	AMC	Project PreSTAGE	2,469,000	(b)(6)
766		6D30 ✓	8/23/65	AFSC	Cathode Ray Tube Console	78,000	(b)(6)
767		6F40✓	8/23/65	USGS	Investigate Seismic Techniques for Locating and Delineating Under-ground Nuclear Explosion/Cavities	89,000	(b)(6)
768		6E60✓	8/31/65	AFSC	Development of New Heat Shield Materials for Control of Re-entry Vehicle Observables	630,000	(b)(6)
769		6M10✓	10/18/65	AFSC	Research in Remote Monitoring	170,000	(b)(6)
770		6E50✓	8/31/65	AFSC	Study of RPV Weapon System / <del>for study of RPV Weapon System</del>	300,000	(b)(6)
771		6E50 ✓	8/31/65	NOL	Study of RPV Weapon System	200,000	(b)(6)
772		6F10✓	8/31/65	ONR	Cabled Ocean-Bottom System Study.	70,525	(b)(6)
773 (Formerly under AO#275)		6D30 ✓	9/1/65	AFSC	IPT-CCR	2,346,000	(b)(6)
774 ✓ 774 (Corrected)		6G20 ✓	9/1/65 10/14/65	OCRD	Evaluation of Night Vision Devices	755,625	(b)(6)



~~TOP SECRET~~

<u>Order No.</u>	<u>No. of Amends.</u>	<u>Project Code No.</u>	<u>Date of Order</u>	<u>Agent</u>	<u>Program Title</u>	<u>Commitment</u>	<u>Program Manager*</u>
775 ✓		6D30 ✓	9/1/65	AEC	Remote Video Consoles with Centralized Visual Data Processing	\$ 620,000	(b)(6)
776 ✓		6M10 ✓	10/15/65	AFSC	Study of Tracer Techniques	126,500	(b)(6)
777		6E50 ✓	9/13/65	AFSC	Advanced Turbo-Alternator Power Systems	150,000	(b)(6)
778 ✓		6F40 ✓	9/8/65	USGS	VELA On-site Inspection Field Exercises	188,000	(b)(6)
779		6E50 ✓	1/3/66	AMC	Feasibility Study of High Power Jammers	500,000	(b)(6)
780		6E30 ✓	9/13/65	AMC	White Sands DR/TTR Support	1,300,000	(b)(6)
781		6E40 ✓	9/25/65	SPO/N	ISEP for IRBM Field Test Measurements	5,000,000	(b)(6)
782 ✓		6F10 ✓	9/21/65	ESSA	Special Seismic Measurements by C&GS	58,500	(b)(6)
783 ✓		6M10 ✓	10/14/65	OSD	Anti Material Agent	32,200	(b)(6)
784 ✓		6F40 ✓	10/14/65	<i>B/Slips</i>	Aerial Operational Support, VELA-On-site Inspection Field Exercises	40,800	(b)(6)
785		6G20	10/16/65	<i>ALWL</i>	Claymorette Counterambush Weapon System	176,500	(b)(6)
786 ✓		6G20	10/22/65	AMC	Development and Test of Quadruped Transporter	554,000	(b)(6)
787		6E90 ✓	10/18/65	<i>AMC</i>	Hard Point System Redefinition	867,000	(b)(6)

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<u>Order No.</u>	<u>No. of Amends.</u>	<u>Project Code No.</u>	<u>Date of Order</u>	<u>Agent</u>	<u>Program Title</u>	<u>Commitment</u>	<u>Program Manager</u>
788 ✓		6D30 ✓	10/22/65	AFSC	Parallel Processing	\$2,005,000	(b)(6)
789 ✓		6G30 ✓	11/2/65	OCRD	Large-scale Population Movements	132,000	
790 ✓		6G20 ✓	11/2/65	ALWL	Portable, One-Shot, Hand-held, Expendable Flame Projector	20,000	
791 ✓		6M10 ✓	10/29/65	A/SG	Project PANDORA	77,000	
792 ✓		6M10 ✓	10/29/65	AFSC	Project PANDORA	115,000	
793 ✓		6D10 ✓	11/15/65	OSD	Grant for Magnet Facility	200,600	
794 ✓		6M10 ✓	12/11/65	OSD	Optical Transmission Experiment	100,000	
795		6E20 ✕	11/15/65	DASA	Radar Blackout Data Retrieval Search	43,600	
796		6E30 ✓	11/15/65	AFSC	Wide-band Recording Techniques	300,000	
797 ✓		6M10 ✓	11/15/65	AMC	Biological Effects of Microwave	18,700	
798 ✓		6K10 ✓	11/15/65	BuWeps	Advanced Research Program at APL	400,000	
799		4E40 ✓	11/16/65	NOTS	Additional HITAB Costs	38,000	
800 ✓		6F10 ✓	11/22/65	AFSC	Funding for LASA Program Office	655,000	
801 ✓		6M10 ✓	4/5/66	ONR	Project PANDORA	10,000	
802		6E30 ✓	11/23/65	AMC	TRG-West Contract (Initially funded under AO #198)	23,000	
803		6E50 ✓	11/23/65	OAR	Reduction of Radar Cross Section by Impedance Loading	200,000	

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Order No.	No. of Amends.	Project Code No.	Date of Order	Agent	Program Title	Commitment	Program Manager
804 ✓		6F10	12/1/65	OASD	Improve Packaging Configurations of Large Explosive Charges	\$ 50,000	(b)(6)
805		6E30 ✓	12/11/65	BuWeps	ADAR Back-Up Program	200,000	
806 ✓		6D30 ✓	12/3/65	NASA	SRI work via NASA	250,000	
807		6E30 ✓	12/11/65	AFSC	Thin Film Ferrimagnetic Garnet Techniques	100,000	
808 ✓		6M10 ✓	12/11/65	AMC	Detection of Sub-Surface Anomalies	57,600	
809 ✓		6G20 ✓	12/1/65	CNO	Investigation of Airborne TV Techniques	250,000	
810 ✓		6G20 ✓	12/11/65	AMC	Airborne Remotely-detonated Mine Detector	150,000	
811 ✓		6G30	12/11/65	ONR	Behavioral Sciences Research	23,900	
812		6E20 ✓	12/22/65	OASD/A	Computer Time Requirements	5,000	
813 ✓		6M10 ✓	12/11/65	AMC	Micropower-Electronics	495,100	
814		6F40 ✓	12/17/65	DASA	Isotope Field Sampling	2,550,000	
815 ✓		6G10 ✓	1/19/66	ARO(D)	AGILE Surveillance Systems Models	302,250	
816 ✓		6G20 ✓	12/17/65	AMC	RECCE/STRIKE	2,350,000	
817 ✓		6D20 ✓	3/8/66	OAR	A Formal Analysis of Natural Oral Verbal Interaction	19,120	
818 ✓		6G10	12/20/65	Agric.	Environment Modification Techniques Project (EMOTE)	200,000	
819		6E50 ✓	1/3/66	AFSC	Integrated Wideband Solid State Power Amplifiers	115,000	

Order No.	No. of Amends.	Project Code No.	Date of Order	Agent	Program Title	Commitment	Program Manager
820 ✓		6M10 ✓	1/3/66	NRL	Atmospheric Effects on Electro-magnetic Radiation	\$200,000	(b)(6)
821 ✓		6M10 ✓	1/3/66	AMC	Psycho-Physical Effects of Non-Ionizing Radiation	\$100,600	
822		6E30 ✓	1/11/66	AFSC	Manson HF Receivers & Synthesizers	90,000	
823 ✓		6F30 ✓	1/7/66	OAR	ORS-III Data Reduction	98,700	
824 ✓		6D20 ✓	1/28/66	ONR	A Generalized Instructional Language for Computer-Aided Teaching	48,200	
825 ✓		6G30 ✓	1/28/66	ONR	Research on Communications Effectiveness in Developing Countries	42,400	
826		6E20 ✓	1/28/66	ARO-D	Atomic and Molecular Physics Research Program	305,000	
827 ✓		6D30 ✓	1/28/66	OAR	Research in Information Processing by Carnegie Institute of Technology	1,799,000	
828 ✓		5G50 ✓	1/28/66	DWT Model Basin	Investigation of Theory of Surfing Lift Mechanism	5,000	
829 ✓		6D30 ✓	1/28/66	AFSC	Graphical Man-Machine Communication	260,000	
830		6E90 ✓	1/28/66	AMC	Systems Analysis in Missile Defense	1,850,000	
831 ✓		6D20 ✓	2/11/66	OAR	A Theory of Selective Communication	69,900	
832		5E90 ✓	1/28/66	AFSC	ARPA Support of Aerospace Members	100,000	
833 ✓		6D20 ✓	1/28/66	OAR	Innovations in the Measurement of Human Performance	92,800	

Order No.	No. of Amends.	Project Code No.	Date of Order	Agent	Program Title	Commitment	Program Manager
834 ✓		6D20 ✓	2/19/66	OAR	Behavioral Sciences Research Bargaining and Negotiation	\$ 81,000	(b)(6)
835		6E90 ✓	1/28/66	AMC	Study of Dispersed Hard Point Defense	\$100,500	(b)(6)
836 ✓		6D20 ✓	2/3/66	OAR	Translation and First-Stage Formal Analysis of Natural Conversation	29,100	(b)(6)
837		6E30 ✓	2/4/66	AFSC	Optical Processor Development	298,500	(b)(6)
838 ✓		6F10 ✓	2/8/66	AEC	LRL Evasion Research	450,000	(b)(6)
839 ✓		6G30 ✓	2/16/66	ONR	Socio-Economic Approach to Political Integration/Thai - Islam	47,000	(b)(6)
840 ✓		6K10 ✓	3/19/66	OSD	Defense Documentation Center ( DDC)	5,000	(b)(6)
841 ✓		6G20 ✓	5/7/66	ARO(D)	Ground Mobility Program	100,000	(b)(6)
842 ✓		6M10 ✓	2/15/66	AMC	Research of Radiation Detection Devices	111,000	(b)(6)
843		6E30 ✓	2/15/66	AFSC	High Power Spark Radio Frequency Generation Devices	178,500	(b)(6)
844 ✓		6G10 ✓	2/23/66	ARO(D)	Plain of Reeds Warfare	137,633	(b)(6)
845		6E50 ✓	3/12/66	AFSC	Radar Target Concealment Program	275,000	(b)(6)
846 ✓		6F20 ✓	2/16/66	OAR	Installation of Acoustic Arrays for Research	60,500	(b)(6)
847 ✓		6F10 ✓	3/8/66	USGS	USGS Lake Superior Experiment	180,000	(b)(6)
848 ✓		6D10 ✓	2/19/66	AFSC	Beryllium Fundamentals	200,000	(b)(6)

( ODDR&E)

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Order No.	No. of Amends.	Project Code No.	Date of Order	Agent	Program Title	Commitment	Program Manager
849		6E30 ✓	2/23/66	AFSC	Synthetic Spectrum Satellite Observations	\$700,000	(b)(6)
850 ✓		6G10 ✓	3/8/66	NPGS	Funding of U. S. Naval Postgraduate School	14,000	
851		6E30 ✓	2/24/66	ONR	Test Transmitters for OHD Research Program	150,000	
852		6D20	6/1/66	ONR	Institutional Obstacles to Industrial Development in Peru	131,500	
853		6E20 ✓	2/26/66	NRL	Field Test Program	2,225,000	
854		6E20 ✓	2/26/66	NRL	Field Test Program	225,000	
855 ✓		6D20 ✓	4/20/66	ONR	Impact of Modernization in the Philippines	334,000	
856 ✓		6D20 ✓	3/8/66	ONR	Applications of the Theory of Games in the Behavioral Sciences	12,200	
857 ✓		6G30 ✓	3/12/66	ARO(A)	Termination of Internal Revolutionary Conflict	78,600	
858 ✓		6D20 ✓	5/3/66	NIH	Cross-Cultural Research on Non-Verbal Communication	248,852	
859 ✓		6M10 ✓	3/8/66	AMC	Project Barrel Quick Fix	300,000	
860		6E30 ✓	3/8/66	AMC	Project DUCK	606,300	
861 ✓		6G10 ✓	3/12/66	ARO(A)	Effects of Guerrilla Warfare on the Population	90,000	
862 ✓		6F10 ✓	3/8/66	DASA	Project TINY TOT	30,000	
863 ✓		6F10 ✓	3/29/66	OAR	Evaluation of Drilling Techniques	35,000	

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Order No.	No. of Amends.	Project Code No.	Date of Order	Agent	Program Title	Commitment	Program Manager
864 ✓		6G10 ✓	3/29/66	ARO(A)	Urban War Game (URB-INS)	58,150	<div data-bbox="1843 277 2095 906" style="border: 1px solid red; padding: 5px;">(b)(6)</div> <p>(ODDR&amp;E)</p> <div data-bbox="1843 971 2095 1511" style="border: 1px solid red; padding: 5px;">(b)(6)</div>
865 ✓		5&6D30 ✓	3/11/66	OAR	Computer Graphics	\$750,500	
866		6E30 ✓	3/8/66	AMC	Project EBBO	300,000	
867 ✓		6F10 ✓	3/11/66	DASA	Underground Detonable-Gas Explosions	51,800	
868		6E30 ✓	3/12/66	AFSC	Scattering Calculations	75,600	
869		6E30 ✓	3/21/66	AFSC	Prong Tong Program	300,000	
870		6E30 ✓	3/24/66	AFSC	Gas Laser Research	200,000	
871 ✓		6D30 ✓	3/29/66	NSF	Computerized Library Project(INTREX)	100,000	
872 ✓		6K10 ✓	3/29/66	ONR	NAS Advisory Committee on Gov't Programs	110,000	
873		6E30 ✓	3/18/66	AMC	Radar Homing Guidance Interceptor Study (RHOGI)	650,000	
874		6E30 ✓	3/24/66	AMC	Space Object Identification Radars	478,000	
875 ✓		6K10 ✓	3/29/66	ONR	UCLA/ARPA Defense Science Seminar	99,550	
876 ✓		6D10 ✓	3/29/66	ONR	Materials Coupling	2,007,500	
877 ✓		6G30 ✓	3/29/66	ARO(A)	Chieu Hoi Program	360,600	
878 ✓		6D10 ✓	4/7/66	NRL	Research Coupling on Corrosion	3,900,000	
879 ✓		6G20 ✓	4/7/66	AFSC	Evaluation of Sailwing Aircraft	26,000	

Order No.	No. of Amends.	Project Code No.	Date of Order	Agent	Program Title	Commitment	Program Manager
880		6E20 ✓	4/8/66	ONR	Nuclear Effects Studies	\$221,000	(b)(6)
881 ✓		6D20 ✓	4/7/66	OAR	Phenomena of Learning, Remembering and Forgetting	46,350	
882 ✓		6G20 ✓	4/5/66	AFSC	Area Surveillance and Personnel Identification	208,000	
883 ✓		6G30 ✓	4/5/66	ONR	Clinical Studies of Revolutionary Situations	46,500	
884		6E90 ✓	3/31/66	AMC	A Study to Evaluate U. S. Strategic Force Alternatives	200,000	
885 ✓		6D10 ✓	4/14/66	AMC	Optical Materials Study Program	487,000	
886 ✓		6M10 ✓	4/14/66	ONR	Cetaceans Research	151,200	
887 ✓		6D20 ✓	5/11/66	OAR	Strategic Analysis of Extra-Legal Internal Political Conflict	258,200	
888		6E50 ✓	5/7/66	AFSC	Penetration Systems Studies	820,000	
889 ✓		6M10 ✓	4/28/66	AMC	Optical Materials	292,200	
890 ✓		6D20 ✓	4/28/66	OAR	Research on Second-Language Learning	200,000	
891		6E30 ✓	5/4/66	NBS	Laser Standards for NBS	350,000	
892 ✓		6K10 ✓	4/29/66	OAR	Support for COSATI Task Group on National System(s)	50,000	
893		4E90	5/20/66	AMC	Payment for Damage Caused by HiBEX Explosion	573,600	



Order No.	No. of Amends.	Project Code No.	Date of Order	Agent	Program Title	Commitment	Program Manager
894		6K10	5/20/66	OASD/F&S	Technological Aspects of Communication and Its Role in Bargaining and War Fighting	\$225,000	(b)(6)
895		6K10	5/21/66	ARO(D)	Support for COSATI Task Group on National System(s)	50,000	
896		6E30	5/21/66	BuWeps	Investigation of the Nature and Characteristics of the Flow Around Hypersonic Vehicles	65,000	
897		6D20	5/24/66	OAR	Mechanisms of Attitude Change Produced by Forced Compliance	62,200	
898		6F40	5/21/66	ONR	Fission Product Background Levels of the Barents and Kara Seas	44,538	
899		6G20	6/13/66	AMC	SWAMP TANK	800,000	
900		6E90	6/9/66	AMC	Deployment Strategy and Interceptor Commitment Tactics	55,400	
901		6G30	7/21/66	OASD F&S	Measuring the Impact of Health Activities on Communities	30,000	
902		6M10	6/8/66	OASD/F&S	Photographic Imagery Analysis	1,000	
903		6E50	6/9/66	SPO	Packaging and Dispensing Long Exo-Chaff	200,000	

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Order No.	No. of Amds.	Project Code No.	Date of Order	Agent	Program Title	Commitment	Program Manager
904		6G40	6/21/66	ARO(D)	Rural Security Systems Project	\$267,000	(b)(6)
905		6E30	6/13/66	NOL	Aerodynamic and Heat Transfer Characteristics of Hypersonic Vehicles	255,000	(b)(6)
906		6G40	6/9/66	ARO(D)	Village Information System in Thailand	\$600,000	(b)(6)
907		6E90	6/10/66	AEC	DEFENDER Research in Civil Defense	300,000	(b)(6)
908		6F20	6/10/66	DASA	Blast Generation - GATX	121,000	(b)(6)
909		6G40	6/14/66	ARO(D)	Provincial Area Handbook	198,000	(b)(6)
910		6G40	6/21/66	ARO(D)	Status Displays, Game and Simulation Facilities in Thailand	33,000	(b)(6)
911		6M10	6/24/66	ARO(A)	Serological and Ectoparasite Survey of Migratory Birds	75,000	(b)(6)
912		6E20	6/17/66	NRL	X-Ray Simulation Techniques	105,000	(b)(6)
913		6F20	6/17/66	AFSC	Flight Test Project (APL)	20,000	(b)(6)
914		6F20	6/17/66	NASC	Flight Test Project (Grumman)	60,000	(b)(6)
915		6M10	7/11/66	AFOAR	Study of Nerve Membranes	47,600	(b)(6)
916		6M10	6/24/66	ARO(A)	The Chemistry of Advanced Sensors	37,000	(b)(6)
917		6G10	7/12/66	AMC	Basic Environmental Data Research Thailand	338,000	(b)(6)
918		6K10	6/30/66	State Dept.	Foreign Area Research Coordination Group (FAR)	25,000	(b)(6)
919		7G10	7/14/66	OAR	ARPA-AGILE Tunnel Program	150,000	(b)(6)

Order No.	No. of Amds.	Project Code No.	Date of Order	Agent	Program Title	Commitment	Program Manager
920		7E50	7/18/66	AFSC	Hard Point Decoy (HAPDEC) Program	\$3,000,000	(b)(6)
921		6M10	7/22/66	AMC	Remote Sensing (RADS)	150,400	(b)(6)
922		6D10	7/28/66	ONR	Alloy Surfaces of Low Energy Electron Diffraction	12,500	(b)(6)
923		7F10	8/9/66	USGS	Crustal Calibration of the LASA	253,100	(b)(6)
924		7F30	7/28/66	Under Sec. AF	Spark Transmitter Techniques for EM Pulse Simulation	60,500	(b)(6)
925		7E20	9/1/66	ONR	Charged Particle Beam Research	152,000	(b)(6)
926		7D20	3/18/67	ONR	Himalayan Border Countries	284,964	(b)(6)
927		7K10	8/25/66	DSA	Services by DSASC	5,250	(b)(6) (PM)
928		7F10	8/19/66	CofEng.	Mono Lake Test Series	34,700	(b)(6)
929		7E60	10/27/66	AFSC	Flight Experiments for MR/V Control (MARCAS III)	2,300,000	(b)(6)
930		7G30	10/10/66	ARO(A)	Values Systems in Rural Vietnam	164,350	(b)(6)
931		7G10	9/15/66	AMC	Study Logistics Program of J-4, MACV	213,150	(b)(6)
932		7F20	9/13/66	ESSA	High Altitude Nuclear Detection Studies (HANDS)	700,000	(b)(6)
933		7K10	9/8/66	ASA	JASON EAST Key Hardware Demonstration	30,000	(b)(6) (PM)
934		7F10	10/6/66	OASD(F&S)	Terrain Atlas Project Support Study	61,000	(b)(6)
935		7G10	9/24/66	AFSC	Remote Area Conflict Information Center (RACIC)	1,450,000	(b)(6)

Order No.	Project Code No.	Date of Order	Agent	Program Title	Commitment	Program Manager
936	7E30	9/30/66	AFSC	Log Periodic Radar Reflectors (LPRR)	\$350,000	(b)(6)
937	7D10	11/9/66	OSD/F&S	Enhanced Diffusion in Non-Metallic Compounds	59,000	
938	7F40	10/20/66	USGS	Plant Shock Research	177,000	
939	7D30	10/25/66	OASD/F&S	Time-Sharing Systems Support	6,015	
940	7D30	10/13/66	OASD(A)	Automatic Data Processing Study for MACV	70,252	
941	7E40	10/25/66	AFLC	ARPA/CARDE Atmospheric Transmission	34,000	
942	7D20	11/21/66	OASD/F&S	Negotiation in Leader and Delegate Groups	36,483	(b)(6) (BS)
943	7E30	10/27/66	AFSC	Sidelobe Measurements	500,000	(b)(6)
944	7K10	11/2/66	OASD/F&S	Work Breakdown Structure Pilot Test	9,300	(ODDR&E)
945	7M10	11/14/66	AMC	Project PANDORA	60,000	(b)(6)
946	7E30	11/21/66	ONR	SOUNDER Program	18,100	
947	7G10	11/22/66	AMC	Rural Security System (RSS)	974,000	
948	7E50	11/23/66	NOL	Lithium-Chlorine Battery	240,000	
949	7M10	11/18/66	NOTS	Project RED FLAME	38,000	
950	7M10	11/23/66	CG/3rd Marine Air Wing	Project RED FLAME	1,110	
951	7D20	12/6/66	OASD/F&S	The Genesis of Civil Violence	39,000	

Order No.	Project Code No.	Date of Order	Agent	Program Title	Commitment	Program Manager
952	7D30	12/14/66	AFSC	Computer-Aided Teaching and Learning	\$102,000	(b)(6)
953	7G10	12/12/66	ARO(D)	Columbia Military Industrial Study	\$ 8,000	
954	7D10	12/19/66	OASD/F&S	Interaction of Molecules with Surfaces of Clean Refractory Metals	41,268	
955				USA/Australian Research Facility		
956	7D20	2/13/67	OASD/F&S	Rate-Controlled Speeck in Second Language Learning	179,400	
957	7D30	12/19/66	OASD/F&S	OSD Systems Study	200,000	
958	7E90	12/17/66	AMC	Terminal Ballistic Missile Attack Gaming	798,000	
959	7D20	2/13/67	OASD/F&S	Modes of Organizing and Presenting Complex Instructional Material	110,800	
960	7K10	1/27/67	OASD/F&S	Institute for Defense Analyses <small>formerly AO 90/113</small>	4,109,616	
961	7F40	12/27/66	USNRDL	Project TRITON II	99,500	
962	7F40	1/11/67	OAR	Shock Wave Damage in Quartz	28,700	
963	7G10	1/6/67	AMC	Barrier Systems Requirements	262,018	
964	7G40	2/1/67	ARO(D)	Village Attitude Study	32,000	
965	7G30	1/13/67	ARO(D)	Development of ECHO Interview Technique	75,600	
966	7D20	4/13/67	OAR	Coding Systems in Preception & Cognition	510,000	
967	7D30	1/11/67	AFSC	Equipment for IPT Research at SRI	581,000	
968	7F10	1/6/67	AMC	Hugoniots and Dynamic Properties of Frozen Earth Materials	89,000	
969	7M10	1/9/67	AEC	PASSPORT	500,000	

Order No.	Project Code #	Date of Order	Agent	Program Title	Commitment	Program Manager
970	7E90	2/1/67	AFSC	STRAT-X Project Systems Optimization Study	\$293,299	(b)(6)
971		2/28/67	AFSC	Project STRAT-X (Various Contractors)	598,801	
972		2/15/67	NSSC	Project STRAT-X (GD/Quincy Division)	125,083	
973		2/15/67	AMC	Project STRAT-X (DRC, Inc.)	94,105	
974	7E90	2/27/67	NSSC	Project STRAT-X (Agbabian-Jacobsen Associates)	20,000	
975		2/15/67	SPO	Project STRAT-X (Lockheed)	30,000	
976		2/15/67	ONR	Project STRAT-X (Booz-Allen)	21,787	
977	7E90	2/27/67	NRL	Project STRAT-X (IIT Research Institute)	29,685	
978	7E90	2/27/67	AFSC	Project STRAT-X (Hughes Aircraft Co.)	54,966	
979	7E90	2/27/67	NASC	Project STRAT-X (Sanders Associates, Inc.)	30,162	
980	7D10	1/24/67	AEC	Light Weight Armor Research Program	400,000	
981	7D10	2/6/67	OASD/F&S	High-Temperature Materials	430,000	
982	7E30	2/1/67	AMC	Ionospheric Disturbance Experiment	157,500	
983	7G20	2/1/67	AFSC	DANCING DOLLS (Reoriented)	416,000	
984	7E50	2/3/67	AFSC	Development of Radar Absorbing Materials	372,500	
985	7D10	2/10/67	OAR	Material Behavior in High Speed Impact	203,200	
986	7G10	2/21/67	NASA	NASA Support of CIRADS	7,000	
987	7E50	2/14/67	AFSC	Maneuvering Decoy Program	450,000	
988	7E20	2/9/67	AFSC	Magnetic Suspension Aerodynamic Measurements	120,000	

Order No.	Project Code#	Date of Order	Agent	Program Title	Commitment	Program Manager
989	7E30	2/28/67	AMC	Over-the-Horizon Data Collection and Analysis Center	201,500	(b)(6)
990	7K10	3/3/67	OAR	Information Processing Field Study	61,650	(b)(6)
991	7M10	3/6/67	NASC	Radar Measurements Program	675,000	
992	7E50	3/6/67	AFSC	Evaluation of Techniques for Anti-Simulation	300,000	
993	7E90	3/9/67	ONR	Project STRAT-X (IITRI)	29,685	
994	7K10	3/10/67	AMC	QT-2 Low-Noise Test Aircraft	200,000	
995	7G20	3/21/67	NMC	Image Stabilized Binoculars	60,000	(b)(6)
996	7G30	3/15/67	NFEC	Vietnamese Vocabulary Study	52,450	(b)(6)
997	7G10	3/16/67	AMC	Project ARDEMS	200,000	
998	7G20	3/29/67	AMC	M-1 Carbine Conversion	32,000	
999	7G30	2/16/67	ARO(A)	Advisor and Counterpart Relations/Thailand	55,000	
1000	7E30	3/6/67	AFSC	Project BIG PUSH	420,000	
1001	7G10	2/16/67	USGS	Environmental Syntheses of Selected Areas in SEA, ME, and Africa	75,000	
1002	7G30	2/21/67	ARO(A)	Problem Analysis - Simulmatics	320,000	
1003	7M10	2/27/67	OAR	Liquid Crystal Devices Research	160,000	
1004	7F10	2/27/67	OAR	LASA Data Service	130,000	
1005	7M10	2/27/67	ARO(A)	Animal Penetrators	100,000	
1006	7F40	3/18/67	AEC	Clandestine Underground Nuclear Test	250,000	(b)(6)

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Order No.	Project Code #	Date of Order	Agent	Program Title	Commitment	Project Manager
1007	7G40	3/29/67	ARO(D)	Border Control System	\$600,000	(b)(6)
1008	7G10	3/29/67	OSD/FU	Environmental Research	150,000	
1009	7E20	3/29/67	ARO(D)	Atomic and Molecular Physics Program	271,000	
1010	7E30	3/29/67	AFSC	ADAR Back-Up Program	40,000	
1011	7E20	3/30/67	OAR	Atomic and Molecular Physics Program	190,000	
1012	7D10	3/24/67	AFSC	Ion Beam Optical Figuring	125,230	
1013	7E90	3/24/67	AMC	Advanced Strategic Air Warfare Study	500,000	
1014	7G10	3/30/67	ARO(A)	Hamlet Evaluation System (HES)	15,500	
1015	7E30	4/4/67	AFSC	Non-Coherent Signal Processing	150,000	
1016	7G30	4/24/67	OCRD(A)	Research on Military Selection & Classification for Developing Cultures	100,000	
1017	7E40	4/14/67	AFSC	Optics Program in Midcourse and Early Re-entry	250,000	
1018	7M10	4/7/67	AFR&D	RED FLAME	800,000	
1019	7E20	4/10/67	AFSC	Atomic & Molecular Physics Program	20,000	
1020	7E20	4/10/67	USNR DL	Atomic & Molecular Physics Program	70,000	
1021	7G30	4/22/67	ARO(D)	MAC-V Psychological Operations Study	19,200	
1022	7E90	4/10/67	NSSC	Project STRAT-X (Goodyear)	11,250	
1023	7F10	4/17/67	AEC	Project GAS BUGGY	73,000	
1024	7M10	4/21/67	AFSC	Special Projects for MACV	464,231	



Order No.	Project Code #	Date of Order	Agent	Project Title	Commitment	Project Manager
1025	7M10	5/18/67	CNO	RED FLAME II	\$470,000	(b)(6)
1026	7M10	6/26/67	AEC	Optical Scintillation Experiment	5,055	
1027	7G40	5/10/67	ARO(D)	Area Transportation Systems Study	50,700	
1028	7G40	4/28/67	AMC	Project EGG ROLL	241,000	
1029	7F10	4/28/67	OAR	Three-Axis Long Period Seismograph	247,300	
1030		5/8/67	AFSC	Project STRAT-X (General Electric)	24,663	
1031	7F10	5/9/67	OAR	Artificial Stimulation of Earthquakes	97,000	
1032	7D20	6/2/67	OAR	Taxonomy of Human Performance	348,000	
1033	7D20	5/24/67	USEmb. Beirut	The Changing Patterns in Middle Eastern Society	238,000	
1034	7D10	5/15/67	AMC	New Materials for Electroluminescence	124,000	
1035	7G40	5/10/67	CofE	Provincial Atlas	125,000	
1036	7G40	5/15/67	AMC	RSSP Research and Planning Group	750,000	
1037	7M10	5/15/67	CIA	Stack Sampling Studies to Detect and Identify Signatures	18,595	
1038	7E90	5/15/67	AMC	Project STRAT-X (Douglas Aircraft)	44,914	
1039						
1040	7G40	5/17/67	AMC	Management Data Center	240,000	
1041	7M10	6/2/67	AMC	Special Projects for MACV(Night Vision Lab)	376,000	
1042	7G40	6/9/67	AMC	Mobilization Plan (Iran)	40,000	

Order No.	Project Code #	Date of Order	Agent	Project Title	Commitment	Program Manager
1043	7G20	5/24/67	CIA	High Resolution Infrared Scanner Aircraft	\$ 75,000	(b)(6)
1044	7E90	5/25/67	AFSC	Optics Countermeasure Study	225,000	(b)(6)
1045	7D10	5/29/67	OASD/F&S	International Symposium on High Temperature Technology	4,000	Test
1046	7E90	6/30/67	OASD/F&S	NATO Conference on Operational Research	10,000	(b)(6)
1047	7M10	5/26/67	AMC	20-Watt Transmitter Development	88,800	(b)(6)
1048	7G40	5/27/67	AMC	Border Control System Program(Thailand)	35,000	(b)(6)
1049	7M10	5/29/67	ONR	Quantum Interferometer	100,000	(b)(6)
1050	7G40	6/27/67	AMC	Thai ADP Study	136,000	(b)(6)
1051	7F10	5/16/67	NEL	CHASE VI	10,000	(b)(6)
1052	7E90	6/13/67	S/AS-USAF	Technical Symposia (OSI)	2,400	(b)(6)
1053	8M10	9/28/67	AMC	Laser Detection System Study	59,000	(b)(6)
1054	7F10	6/26/67	MSTS	Tow of CHASE VI Hulk to Detonation Site	80,000	(b)(6)
1055	7F20	6/26/67	ESSA	University of Alaska Acoustics Program	214,500	(b)(6)
1056	7D20	7/20/67	OASD/F&S	Validity and Reliability of Polygraph Techniques	90,000	(b)(6)
1057	7E20	7/13/67	AFSC	Project SECEDE	55,000	(b)(6)
1058	7M10	7/11/67	AFSC	Intelligent Automata	-0-	(b)(6)
1059	7M10	7/13/67	AFSC	Acoustic Monitoring Device	89,400	(b)(6)
1060	7D10	7/13/67	OAR	Project THEMIS (Univ. of Fla. at Gainesville)	403,000	(b)(6)

Order No.	Project Code #	Date of Order	Agent	Project Title	Commitment	Project Manager
1061	8M10	7/11/67	OASD/F&S	Analysis of RED FLAME I Film	\$ 17,000	(b)(6)
1062	8M10	7/17/67	AFSC	Image Restoration Research	251,000	(b)(6)
1063	7D20	10/12/67	ONR	Dimensionality of Nations Projects (DON)	275,000	(b)(6)
1064	8D10	7/29/67	OASD/F&S	The MURA Synchrotron	61,700	(b)(6)
1065	8F40	7/20/67	DASA	ARPA-AEC Gas Injection Test	60,177	(b)(6)
1066	7D20	10/12/67	ONR	World Event Interaction Survey (WEIS)	166,250	(b)(6)
1067	7D20	10/12/67	ONR	World Political Data and Analysis Program (WPD)	156,200	(b)(6)
1068	8G10(11)	8/3/67	CofE	Accelerated Devel. of the Plain of Reeds	100,000	(b)(6)
1069	8M10	7/31/67	AMC	Fluorescent-Lamp Techniques	75,900	(b)(6)
1070	8G40	7/31/67	ARO(A)	Testing of Indo-Chinese Ethnolinguistic Groups	26,000	(b)(6)
1071	7D20	3/21/68	OAR	Project THEMIS - Univ of Kansas	400,000	(b)(6)
1072	8D10	7/29/67	OASD/F&S	Diffusion of Oxygen in Oxides	46,900	(b)(6)
1073	8M10	7/31/67	ARO(A)	Technical Surveillance Countermeasures Operations Analysis	157,783	(b)(6)
1074	8F10	7/31/67	OCE	Rock Mechanics Research .	131,356	(b)(6)
1075	8D30	8/4/67	OAR	Time-shared Computer System (Dartmouth)	464,000	(b)(6)
1076	8G40(43)	8/3/67	AMC	Operations Research Capability to IIAG	300,000	(b)(6)
1077	8G40(43)	8/24/67	ARO(D)	Study on Ethiopian Consumables	200,000	(b)(6)
1078	8G10	7/31/67	ESSA	Theoretical Propagation Studies	15,000	(b)(6)

Order No.	Project Code #	Date of Order	Agent	Project Title	Commitment	Project Manager
1079	8M10	8/11/67	OCE	Project THEMIS/University of Kansas	\$ 400,000	(b)(6)
1080	8M10	8/5/67	AFSC	Antenna Radar Cross Section	29,000	(b)(6)
1081	8G20(25)	8/18/67	AMC	Operation Cross-Fertilize	10,000	
1082	7D10	8/17/67	OASD/F&S	Infrared Studies of Matrix-Impurity Interactions, Optical & Magnetic, etc.	100,000	
1083	8K10	8/24/67	OASD/F&S	Research on a data mgmt language for on-line query and update of computer-stored info.	15,000	(b)(6)
1084	8D10	8/11/67	OASD/F&S	Defects and Mass Transport in Single Crystals of Refractory Oxides	102,000	Test
1085	7D20	10/12/67	ONR	Transnational Working Group on Dynamics of Conflict	36,000	(b)(6)
1086	8K10	8/17/67	OASD/F&S	Study of Ecological Effects of Herbicides	55,500	(b)(6)
1087	8M10	8/17/67	AMC	Correlation Detector: Addendum I	57,000	
1088	7E40 - 8E40	8/17/67	AFSC	Project DEFENDER Studies (Follow-on)	6,044,545	(b)(6)
1089	7D20	10/12/67	OASD/F&S	A Status-Value Theory of Distributive Justice	95,000	
1090	8E40	8/24/67	ONR	Project THEMIS/North Carolina State	400,000	
1091	8M10	8/31/67	NSA	Intelligence Collection System - SEA	150,000	
1092	8E40	9/28/67	AFSC	Re-entry Physics Research (formerly AO 525)	1,100,000	
1093	8K10	9/14/67	OASD/F&S	Analytic Summary of US Nat'l Security Issues for Educational & Research Purposes	120,000	
1094	8F10	9/11/67	USGS	GAS BUGGY - USGS	80,000	
1095	8F10	9/11/67	ESSA	GAS BUGGY - ESSA	43,057	

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1096	8F40	9/28/67	NRDL	Study of Stable Isotope Ratios & Gas Transport	\$ 17,000	(b)(6)
1097	8G40(45)	1/28/68	AMC	Counterinfiltration Systems Study	750,000	
1098	8G40(43)	10/16/67	NCCD	Ethiopian Military Rations	75,000	
<del>1099</del>	<del>8G40(45)</del>	<del>9/28/67</del>	<del>ARO(D)</del>	<del>Counterinfiltration System Korea DMZ</del>	<del>250,000</del>	
1100	8M10	10/20/67	AFSC	Head Aimed TV (HAT)	200,000	
1101	8G20(24)	10/16/67	AMC	Radio Wave Propagation Study	10,000	
1102	8G40(43)	10/20/67	ARO(A)	Military Civic Action	500,000	
1103	8G10(13)	10/20/67	ARO(A)	Advisor Selection and Training	400,000	
1104	8G40(41)	11/8/67	AMC	RSSP, Local Security System, Phase I	300,000	
1105	8E90	10/11/67	OASD/Admin	ZAP Channel	50,000	
1106	8G20(22)	10/26/67	AMC	Atlas System - General Atronics	300,000	
1107	8G40(43)	11/4/67	ChEngs Army	Military Master Planning, Ethiopia	160,000	
1108	8G40(43)	11/6/67	AMC	Village Defense Study (SVN)	300,000	
1109	8M10	11/8/67	ALWL	Airborne Radio Relay System	50,000	
1110	8G20(22)	11/13/67	CIA	RECCE/Surveillance Devices (U) - Binocular	450,000	
1111	8G20(22)	11/13/67	AFSC	RECCE/Surveillance Devices - Mapper	84,000	
1112	8M10	12/17/67	NASC	LOWCO Radar	16,000	
1113	8M10	2/9/68	AMC	TSCC R&D Test Facility	23,850	
1114	8D10	11/8/67	OASD/F&S	International Conference on Metal -	5,000	

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1115	8G40(45)	11/8/67	AMC	Counterinfiltration System Korea DMZ	\$ 250,000	(b)(6)
1116	8K10	11/8/67	AMC	Plasma Display Technology	100,000	
1117	8F40	12/22/67	OASD/F&S	EGG APPLE	179,835	
1118	8M10	11/8/67	AFSC	Acoustic Monitoring Device - G. T. Schjeldahl Co.	28,000	
1119 (F.S.)	8E90	11/8/67	AMC	ZAP Channel - Mithras Platform	100,000	ODDR&E
1120	7M10	12/12/67	AFSC	Hand-Held Image-transducer Cameras	221,600	(b)(6)
1121	7M10	11/13/67	AFSC	Project BLOW HOLE	25,000	
1122	9G20(22)	11/13/67	AMC	Stimulated Eye Fluorescence	80,000	
1123	8F10	11/13/67	DASA	Evaluation of Equation-of-State Data (CIT)	35,822	
1124	8F10	11/13/67	AEC	Equation-of-State Research (LASL)	180,000	
1125	8M10	2/5/68	OASD/F&S	Peeperscope	49,944	
1126	8E90	12/8/67	ARO(D)	Center of Excellence in Image Forming Devices	100,500	
1127	8G20(22)	11/20/67	NASC	Enemy Artillery/Mortar Fire	100,000	
1128	8E90	12/5/67	AFSC	Aerospace Support for DEFENDER	350,000	
1129	8M10	11/28/67	ChNR	Research Projects - Purdue and Northwestern Universities	225,600	
1130	8D10	12/22/67	OASD/F&S	Transport Processes in Ceramic Oxides	99,800	
1131	8M10	11/28/67	NFEC	TSCM R&D Subcommittee Housing Space	8,662.50	

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1132	8M10	5/15/68	AMC	Project ELK RIVER - Phase Ia	45,000	(b)(6)
1133	8M10	12/6/67	OASD/F&S	Bird Penetration System	12,350	(b)(6)
1134	8E90	11/28/67	ARO(D)	Herman Kahn & John Thomas - Hudson Institute - ZAP Channel - Advisors to MAC-V	\$ 75,000	(b)(6)
1135	8M10	2/6/68	AFSC	RML/ETR SEA Project Support	100,000	(b)(6)
1136	8E60	12/6/67	AMC	Project UpSTAGE	23,500,000	(b)(6)
1137	8D30	12/6/67	ARO(D)	Computer Network Design Parameters	19,800	(b)(6)
1138	8E40	12/5/67	AFSC	CARDE Program	1,500	(b)(6)
1139	8E90	12/5/67	AMC	Annie Oakley - ZAP Channel	350,000	(b)(6) >ARPA >ODDR&E
1140	8G20(22)	1/12/68	AMC	Infrared Riflescopes	147,500	(b)(6)
1141	8E20	1/31/68	OAR	Project SECEDE I Test Series	80,000	(b)(6)
1142	8G20(22)	1/12/68	AMC	Nightscope	255,000	(b)(6)
1143	8K10	2/20/68	NWC	Head Controlled TV	100,000	(b)(6)
1144	8M10	4/1/68	CIA	CHIROLOGY	357,000	(b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1145	8E90	12/22/67	USMC	Two Quick-erect Towers-ZAP Channel	\$ 60,000	(b)(6)
1146	8E90	12/21/67	AMC	Miniscopes - ZAP Channel	20,000	(b)(6) OD- DRE PM
1147	8M10	6/17/68	OASD/F&S	High Resolution Gamma-Ray Spectrometer	201,650	(b)(6)
1148	8D10	2/5/68	OASD/F&S	Marquette Univ. Crystal Research	60,000	Test
1149	8E30	2/6/68	AFSC	Radar Fly-by Discriminator	274,000	(b)(6)
1150	8F40	1/12/68	OAR	Revision of On-Site Inspection Manuals	214,424	(b)(6)
1151	8F20	1/8/68	OAR	Atmospheric Nuclear Test Detection	40,500	
1152	8F20	2/5/68	OAR	SMU Atmospheric Acoustics Research	121,579	
1153	8F20	3/12/68	AFTAC	Optical Diagnostic Research	280,000	
1154	8M10	1/9/68	NOSC	ANNIE OAKLEY-Johns Hopkins U.	100,000	
1155	8E90	1/23/68	AMC	Advanced Concepts Evaluation Study	80,000	
1156	8E90	1/17/68	AMC	Payload Configuration Studies	30,000	
1157	8E90	2/1/68	Army/ R&D	Dr. Robert C. Prim	49,000	
1158	8D30	1/17/68	DCCO	Communications Lines to Santa Monica	14,590	
1159	8E90	1/30/68	ACDA	ACDA Contract with RAC	20,000	



Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1160	8E90	2/1/68	OASD/F&S	Jamming Equipment - ZAP Channel	800.00	(b)(6)
1161	8M10	2/1/68	OASD/F&S	Target Destruction Tests	174,700.00	
1162	8E90	2/6/68	OASD/F&S	SNOOPY - ZAP Channel	95,000.00	
1163	8M10	2/1/68	USASA	ETR Acoustic Location Program	50,000.00	
1164	8E90	2/5/68	AMC	TEST-X	30,500.00	
1165	8E90	2/5/68	SPO/Navy	TEST-X	87,000.00	
1166	8E90	2/5/68	ONR	TEST-X	121,000.00	
1167	8E90	2/9/68	CIA	Evaluation of D-10A	139,000.00	
1168	8E90	2/9/68	AFSC	Evaluation of D-10A	40,000.00	
1169	8G40 (41)	2/9/68	AMC	Program Impact Evaluation Project	350,000.00	
1170	8E90	2/9/68	AMC	Lightweight Boats	27,000.00	
1171	8G40	2/14/68	ChR&D Army	Enemy Combat Effectiveness	70,000.00	
1172	8E90	2/13/68	ONR	Tethered Balloon Systems - ONR ZAP CHANNEL	6,050.00	
1173	8E90	2/13/68	AFSC	Tethered Balloon Systems - AFSC ZAP CHANNEL	121,000.00	
1174	8D10	2/13/68	OASD/F&S	Research on High Temperature Super- conductivity	76,000.00	
1175	8E90	2/13/68	AMC	Wrist Compasses - ZAP CHANNEL	16,500.00	

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Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1176	8E90	2/13/68	AMC	Project RICKSHAW - ZAP CHANNEL	\$ 100,000	(b)(6)
1177	8E90	2/19/68	AMC	Project RICKSHAW - ZAP CHANNEL	100,000	(b)(6)
1178	8E30	3/12/68	AMC	Continuation of OHD Library at BMI	39,292	(b)(6)
1179	8E20	2/27/68	AMC	Reentry Physics Support Studies at ATL	100,750	(b)(6)
1180	8E20	3/12/68	AMC	High Power Electric-Discharge Laser	151,125	(b)(6)
1181	8E30	4/1/68	AFSC	CAMEL RADAR - Phase I	201,500	(b)(6)
1182	8E30	4/1/68	USAMC	CAMEL RADAR - Phase II	105,000	(b)(6)
1183	8M10	4/1/68	ChNavOps	CHIROLOGY	5,000	(b)(6)
1184	8D10	2/19/68	OAR	Mass Transport in Oxides	103,000	Test
1185	8M10	2/27/68	AMC	Transportation Charges for Pack Howitzers	300	(b)(6)
1186	8M10	2/27/68	AFSC	Big Screen Night Viewers	65,000	(b)(6)
1187	8M10	3/25/68	AEC	RUNDLE	14,000	(b)(6)
1188	8F10	3/12/68	DASA	Coupling and Decoupling of Underground Nuclear Explosions	130,000	(b)(6)
1189	8E90	3/25/68	NSA	Special Equipment for SEA (ZAP Channel)	140,000	(b)(6)
1190	8E90	3/25/68	AMC	Utility of Forward-Based Systems	150,000	(b)(6)
1191	8E90	3/21/68	AFSC	Optronix Infrared Transceivers	50,536	(b)(6)
1192	8K10	3/25/68	AFSC	Small Arms Lubricants	95,000	(b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1193	8E90	3/13/68	AMC	TEST-X	\$ 43,000	(b)(6)
1194	8M10	3/26/68	AFSC	Continuation of Off-Line Research (White Birch)	230,000	
1195	8M10	3/8/68	USMC	Battlefield TV Reconnaissance	\$ 12,000	
1196	8M10	4/2/68	AMC	Miniature Ground Surveillance Radar	216,000	
1197	8D20	5/27/68	OASD/F&S	Handbook & Casebook for Practical Evaluators	32,000	
1198	8D10	3/25/68	OASD/F&S	Long Range Study of DoD Materials Needs	98,000	
1199	8M10	3/15/68	OASD/F&S	Illumination Systems	318,703	
1200	8E90	3/21/68	NASC	NIGHT PANTHER & NITE GAZELLE	1,050,000	
1201	5H10	3/25/68	NOSC	Advanced Propellant Chemistry Open Contracts	10,500	
1202	8D30	4/5/68	USAMC	MACV Operational Reporting System	369,000	
1203	8M10	5/16/68	AMRDC	Project NIGHT-FOX	174,750	
1204	8M10	4/2/68	OASD/F&S	Sensitive IR Sensor	149,988	
1205	8E40	3/27/68	ONR	Nuclear Discrimination Study	100,000	
1206	8F20	4/2/68	AFTAC	Fluorescence Diagnostic Research	75,440	
1207	8E30	4/2/68	ESSA	Short Pulse Investigation of Ionospheric Structures	40,500	
1208	8D10	4/12/68	OASD/F&S	Cation and Anion Self Diffusion in ZnO	15,000	

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1209	8M10	4/12/68	OASD/F&S	Biological Detection Method	\$ 39,893	(b)(6)
1210	8E40	4/12/68	AMC	HF Cross Section Analysis		
1211	8M10	5/1/68	AFSC	Laser Target Designation/Strike System		
1212	8F40	4/29/68	OASD/F&S	Research & Analysis of Unconventional Nuclear Threat		
1213	8G40	4/5/68	USAMC	AN/GSS-9, Anti-Intrusion Devices		
1214	8G20	4/19/68	ChR&D/Army	Joint Vietnamese, Korean, & U.S. Social Science Research		
1215	8D30	4/11/68	OASD/F&S	Computer Science & Engineering Board	65,000	(b)(6)
1216	8M10	4/17/68	AMC	Project BIG LIGHT	90,000	
1217	8M10	4/12/68	AMC	Project LITTLE ROCK	102,000	
1218	8F20	4/19/68	OAR	High Altitude Acoustic Signal Generation Studies	66,000	
1219	8G40	5/20/68	NFEC	Pacification Systems Program (NFEC)	100,000	
1220	8M10	5/13/68	AFSC	Cache Marker Program	200,000	
1221	8M10	6/11/68	AFSC	HAVE FIDDLE	35,000	
1222	8G40	5/20/68	ARO(D)	Pacification Systems Program (ARO-D)	150,000	
1223	8M10	4/30/68	AFSC	Synthetic Aperture Radar Data	37,200	
1224	4E90	4/23/68	ARO(D)	ARPA Project Administration (ARO(D))	16,050	
1225	8E20	5/2/68	AFSC	A&M Support of Project SECEDE	231,750	

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1226	8E20	5/21/68	AMC	Hydrodynamic Computer Codes	65,500	(b)(6)
1227	8F20	4/21/68	DASA	ACANIA EMP Measurements	\$ 126,114	
1228	8D30	4/29/68	ARO(D)	Machine Independent Software Programming	126,000	
1229	8F40	5/14/68	ChEngs Army	AN/APQ 102XA2 Radar	116,3	(b)(6)
1230	8G20	5/14/68	AFSC	US-Thailand Military R&D Center Aerial Recon Lab	410,0	
1231	8G40	6/11/68	AMC	Iranian Counterinfiltration System Studies	150,0	
1232	8M10	5/2/68	AMC	IR Seeker for Hercules	10,0	
1233	8E90	5/2/68	NASC	Project WASP	185,8	
1234	8E20	5/3/68	ONR	Atomic & Molecular Physics Program	100,000	
1235	8G40	5/14/68	ARO(D)	Computer Laboratory - Thailand	156,000	
1236	8M10	5/15/68	AMC	Project DORBO	45,000	
1237	8M10	8/19/68	NASC	Project LORAN C	38,162	
1238	8F10	6/22/68	DASA	High-Sensitivity Shock Transducer	94,000	
1239	8G20	5/13/68	OASD/B&F	AGILE Summer Study Program in Vietnam	16,000	
1240	8E90	6/28/68	AEC	LASL Research on Electromagnetic Locators	100,000	
1241	8M10	8/27/68	AFSC	Project BALRAD	669,922	

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1242					\$	
1243	8D10	5/21/68	NSSC	Nondestructive Testing (NSSC)	118,500	Test
1244	8D10	5/21/68	AFSC	Nondestructive Testing (AFSC)	173,000	Test
1245	8D10	5/21/68	AMC	Nondestructive Testing (AMC)	100,500	Test
1246	8D10	5/21/68	AMC	Nondestructive Testing (AMC)	44,750	Test
1247	8D10	5/21/68	NASC	Nondestructive Testing (NASC)	70,500	Test
1248	8G40	5/25/68	AMC	Infrared Intrusion Detectors	18,000	(b)(6)
1249	8M10	6/6/68	AMC	Special Airborne Weapon Systems (SAWS)	400,000	(b)(6)
1250	8D30	5/23/68	ARO(D)	Digital Communications Problems	79,633	(b)(6)
1251	8G20	6/11/68	AMC	ARPA Research in Republic of VN	32,000	(b)(6)
1252	8E50	5/27/68	AMC	Storage of Redstone Missiles	20,000	(b)(6)
1253	8E90	6/6/68	SSC	Improved Interceptor Performance Study	475,000	(b)(6)
1254	8G20	6/11/68	AMC	ARPA Research in Republic of VN	21,000	(b)(6)
1255	8M10	7/29/68	AMC	SILENT JOE II - Phase I	945,000	(b)(6)
1256	8E20	6/13/68	AFSC	EIGHTH CARD	400,000	(b)(6)
1257	8G40	6/12/68	AMC	SIAF Program	1,550,000	(b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1258	8M10	8/2/68	AFSC	Project HAVE DAGGER	\$ 300,000	(b)(6)
1259	8M10	6/12/68	AMC	Reimbursement for Evaluation of Search-Light	\$ 20,000	
1260	8D30	6/21/68	ARO(D)	Interface Message Processors (IMPs)	563,000	
1261	8D20	7/15/68	ONR	More Effective Individual Instruction	184,000	
1262	8F10	6/17/68	DASA	MIRACLE PLAY	842,000	
1263	8F10	6/22/68	DASA	DIG HARD	46,920	
1264	9M10	7/1/68	RDFU-V	MACSA/RDFU-V ZAP Funds	25,000	
1265	8M10	6/29/68	AMC	Gunfire-locating Infrared System (GLIR)	78,000	
1266	8M10	6/29/68	AMC	AN/PPS Ground Surveillance Radar	500,000	
1267	8F10	6/22/68	AEC	Low Coupling Media in Western U. S.	50,000	
1268	8M10	6/22/68	AFSC	Compressed Gas Illumination System	180,000	
1269	8D20	7/15/68	ONR	Individual Differences & Instructional Strategies	154,000	
1270	9G10	7/1/68	RDC-T	RDC-T Operating Funds	1,000,000	
1271	9G10	7/1/68	RDC-T	Air Support Contract - RDC-T & RDFU-V	750,000	
1272	9G10	7/1/68	RDC-T	Research Contracts - RDC-T	175,000	
1273	9G10	7/1/68	RDFU-V	Operating Expenses - RDFU-V	50,000	
1274	9G10	7/1/68	U. S. Embassy Beirut	Operational Support - RDFO(ME)	50,000	

Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1275				\$	
1276	6/29/68	AFSC	Phased Array Data Processing Study	550,000	
1277	6/21/68	CIA	Radio Communication Equipment - ZAP CHANNEL	\$ 25,000	
1278	6/29/68	CNR	Administrative & Travel Expenses for ARPA Projects	125,000	
1279	8/26/68	AFSC	ARPA/RADC Optical Radar Program	\$175,000	
1280	6/29/68	ASSC	UV Ionization	32,000	
1281	6/29/68	AMC	Field Effect Monitor & Passive Advanced IR System	385,000	
1282	6/29/68	AFSC	Data Analysis Program	300,000	
1283	6/29/68	NASC	NITE GAZELLE	350,000	
1284	7/1/68	AFSC	ARPA's Share of RML Operating Expenses	750,000	
1285	6/29/68	OASD (Admin)	Chemical Vapor Deposition	59,990	Test
1286	6/28/68	AMC	Incapacitating Agent Dispensing Devices ZAP CHANNEL	20,000	
1287	7/26/68	AFSC	Automatic Fingerprint ID System	167,715	
1288	6/29/68	SSC	BMD Data Processing Study	300,000	
1289	6/29/68	DASA	SECEDE III	200,000	

(b)(6)

(b)(6)



Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager	
1290	9K10	7/16/68	OASD/F&S	Studies of Wartime Development Projects for Vietnam	\$ 300,000	(b)(6)	
1291	8E20	6/29/68	SSC	LASER HOLOGRAM	60,000		
1292	8E50	7/8/68	SSC	Advanced Technology Program (949)	203,000		
1293	8E30	8/2/68	ONR	Nuclear Technology Summer Study	150,000		
1294	8M10	7/19/68	AFSC	IR Silicon Vidicon Feasibility Demonstration	196,000		
1295	9F10	7/2/68	AFTAC	Alaskan Long Period Array (ALPA)	2,000,000		
1296	9M10	8/2/68	AFSC	Project HAVE DAGGERITE	750,000		
1297	7D20 & 8D20	7/29/68	ONR	Basic Processes in Persuasion	137,955		
1298	9G10	7/8/68	AMC	Procurement of Night Vision Devices for VCDTC	30,000		
1299							
1300	9M10	7/8/68	OAR	Launching Small Pre-Inflated Balloons (ZAP Channel)	25,600		ODDR&E
1301	7E90	5/14/68	NSSC	Project STRAT-X (General Dynamics)	40,054		(b)(6)
1302	8M10	7/19/68	AMC	MTI Radar on QH-50D Helicopter	165,546		
1303							
1304	8E90	7/12/68	AFSC	Project WASP (Also see AO #1233)	185,800		
1305	9G10	7/19/68	AMC	System for Evaluating Effectiveness of RVNAF (SEER)	29,000		

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1306	8M10	7/30/68	CIA	Drone Testing of IR Scanner (Dragonfly)	\$ 28,200	(b)(6)
1307	9M10	7/25/68	AFSC	Tethered Balloon System	118,828	
1308	9M10	7/29/68	AEC	Feasibility Studies of Conventional Munitions	488,300	
1309	9K10	7/25/68	ARO(D)	Small Arms Systems Study	197,033	
1310	9E40	11/20/68	AMC	Reentry Phenomenology Research	205,000	
1311	9E90	7/25/68	AFSC	RADC Administrative and Travel Expenses for ARPA Projects	35,000	
1312	8M10	10/17/68	ONR	Plasma Studies	49,000	
1313	9G10	7/25/68	PHS/NCCD	Pahlavi Nutrition Research Project, Iran	80,000	
1314	9E90	2/29/69	Amicom	Forward Based Systems Study	\$316,000	
1315	8E40	7/25/68	USASSC	IRBM Studies	69,749	
1316	9F20	7/29/68	AFOAR	Atmospheric Acoustic Research	600,000	
1317	9F10	3/5/69	DASA	SRI - Dynamic strain tests of large rock	<del>75,636</del>	
1318	9F10	2/25/69	GeoSurv	Phase Zero of New Directions-Earthquake Control portion of Military Geophysics	16,400	
1319	9E90	7/30/68	AFOAR	AFOAR Administrative & Travel Expenses for ARPA Projects	50,000	
1320	9F20	7/31/68	AFOAR	Investigation of Acoustic Gravity Waves	80,000	
1321	9K10	8/16/68	AMC	ARPA Quiet Helicopter Program (Bell Co.)	320,000	

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1322	9K10	8/16/68	AMC	ARPA Quiet Helicopter Program (Kaman)	\$ 175,000	(b)(6)
1323	9K10	8/16/68	AMC	ARPA Quiet Helicopter Program (Sikorsky)	375,000	
1324	9M10	8/2/68	AFSC	Project HAVE FIDDLE	299,055	
1325	9E40	8/2/68	AFSC	AMOS Data Link with WTR	22,302	
1326	9E20	11/20/68	AFSC	Laser Propagation Studies	44,000	
1327	9D20	8/16/68	OASD(A)	Computer-Aided Command Research	1,370,891	
1328	9K10	8/22/68	OASD(A)	Young Scientists & Engineers in Advisory Services to Government	100,000	
1329	9F10	8/16/68	AFTAC	AFTAC Administrative and Travel Expenses for ARPA Projects	60,000	
1330	9G10	9/6/68	RDFU-V	RDFU-V In-House Research Support	60,000	
1331	9M10	8/27/68	AMC	Terrain Masking Study	31,000	
1332	9M10	9/5/68	OASD(A)	ISOFLAK Study	55,482	
1333	9G10	9/4/68	AMC	Thai Air Base Defense Study	175,000	
1334	9E20	9/6/68	ONR	DDR&E (Threat Assessment Office) Support	50,000	
1335	9G10	9/6/68	AMC	RF Link for MCID	36,000	
1336	9G10	9/13/68	OSD/F&S	Access to SDC Time-Sharing Computer	21,984	
1337	9M10	9/13/68	AMC	Administrative and Travel Expenses for AMC	200,000	

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1338	9M10	9/13/68	AMC	Administrative and Travel Expenses for ECOM	\$ 27,500	(b)(6)
1339	9M10	9/13/68	Army/R&D	Administrative and Travel Expenses for ARO (A)	10,000	(b)(6)
1340	9G10	9/17/68	AMC	Waterborne Traffic Analysis of Persian Gulf	190,000	(b)(6)
1341	9E40	10/4/68	AFSC	Hypervelocity Range Research	1,800,000	(b)(6)
1342	8M10	9/19/68	OSD/F&S	Sensor/Weapon Platform Development	232,686	(b)(6)
1343	9M10	9/19/68	NSA	Special Sensing Equipment to MACSA ZAP Channel	320,000	(b)(6) ODDRE
1344	8M10	10/4/68	OSD/F&S	Directional Acoustic Detection System	15,000	(b)(6)
1345	9G10	9/23/68	AMC	PTAI Contractual Support to MACSA and MACEVAL	520,400	(b)(6)
1346	9K10	9/27/68	OSD/F&S	Hudson Institute Research in Vietnam	75,000	(b)(6)
1347	9E20	9/26/68	DASA	RUSSET/DRILL STEM Reentry and Recovery	300,000	(b)(6)
1348	9E20	12/2/68	ONR	Advanced Marine Technology Program	200,000	(b)(6)
1349	9G10	10/17/68	OSD/F&S	Travel and Administrative Funds in Support of SIAF	24,000	(b)(6)
1350	9E20	10/14/68	CIA	Project EARSHOT Support Task	599,757	(b)(6)
1351	9M10	10/15/68	AMC	Field Evaluation of Flash Blinding Concept (ZAP CHANNEL)	24,589	(b)(6) (SEAM)
1352	9G10	10/15/68	ASA	GEODAR System in Vietnam	8,496	(b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1353	9G10	12/9/68	AMC	Border Control	\$ 144,000	(b)(6)
1354	9G10	12/9/68	AMC	Operations Research	96,000	
1355	9G10	12/9/68	AMC	Village Information Systems Thailand	160,000	
1356	9D30	10/31/68	CIA	Natural-language Communication with Computers	150,000	
1357	9F20	12/19/68	OAR	Infrasonic Research by Earth Sciences Division, Teledyne	211,077	
1358	9F20	11/12/68	OAR	Investigation of Auroral Wave Sources	50,671	
1359	9E40	11/21/68	AFSC	Strategic Reentry Technology (STREET)	345,000	
1360	E40	11/12/68	NFEC	Use Rights on Roi and Nimur Islands	320,000	
1361	9F20	11/12/68	ESSA	Diagnostics of Nuclear Tests	350,000	
1362	9F20	11/18/68	OAR	Infrasonic Research	24,510	
1363	9F20	12/6/68	OAR	Infrasonic Research - Univ of Mich.	52,218	
1364	9E50	12/13/68	OAR	Nuclear Interference on LWIR Systems	120,000	
1365	8M10	12/13/68	AMC	100 Watt CW Argon Ion Laser	168,819	
1366	9E50	12/24/68	OAR	TOM Measurements Program	4,715,000	
1367	9G10	11/27/68	AMC	Electrical Indicator System	130,000	
1368	9F40	12/9/68	DASA	Fission Product Research	249,899	
1369	8M10	1/2/69	CIA	Crossed Cochlea Effect Study 105	30,000	

Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager	
1370	9F40	1/3/69	AEC	Nuclear Proliferation Research at LRL	\$ 150,000	(b)(6)
1371	9F20	12/6/68	AFTAC	EMP Propagation Calculations	32,166	(b)(6)
1372	9D30	1/24/69	NSA	Project LOGOS	\$ 347,000	(b)(6)
1373	9F40	1/3/69	AEC	Nuclear Proliferation Research at Sandia	308,300	(b)(6)
1374	9E30	12/19/68	AFSC	Project ELM TEA	5,000	(b)(6)
1375	9E90	12/24/68	AFSC	Project DRAGON LILY	89,106	(b)(6)
1376	9G10	1/6/69	AMC	Military Advisory Systems Research	115,000	(b)(6)
1377	9E20	1/7/69	AEC	Project SEESAW	2,000,000	(b)(6)
1378	0F10	7/22/69	ARO(D)	SRPA OSA Decoupling Panel	5,000	NMR (b)(6)
1379	9D10	1/9/69	OCRD	Explosive Autofrettage of Gun Tubes	25,000	(b)(6)
1380	9D30	1/23/69	DSS-W	Computer network modelling & meas.	229,300	(b)(6)
1381	9E10	1/22/69	CAL	Experimental Wake Studies	150,000	(b)(6)
1382	9M10	6/30/69	AFSC	BLOW HOLE II	418,000	AS (b)(6)
1383	9N10	1/16/69	AMC	Tank Survivability Study	320,000	(b)(6)
1384	9G20(21)	2/5/69	AMC	Military Civic Action	117,000	(b)(6)
1385	8G10	5/21/69	R&D Cent.	Construction - MRDC Building	401,000	ODR/
1886	9D10	2/4/69	DSSW	Case Western Diamonds	\$89,538	(b)(6)
1387	9E50	3/5/69	NRL	Advanced Optical Technology Program	120,000	(b)(6)

Order No.	Subject No.	Date of Order	Agent	Subject Title	Commitment	Project Manager
1392	0M10	1/10/69	NADC	Infrared Intrusion Alarm System	\$259,670	(b)(6)
1393	9F10	2/5/69	OAR	Study - California Earthquake	\$10,790	
1394	9F10	3/7/69	DASA	Experimental Program to Investigate Problems relevant to Decoupling Methods	115,770	
1395	9N10	2/4/69	AFSC	Surface-to-Surface Interdiction Study	\$327,000	
1396	9F10	2/10/69	AEC	Phase "O" New Directions - Earthquake Control	\$35,000	
1397	9F10	2/24/69	DASA	Res. on Mechanical Prop. of Rock	\$100,000	
1398	9G10	2/20/69	AMICOM	Airborne Intruder Detection System	\$200,000	
1399	9G10	2/20/69	AMICOM	Patrol Locator System	\$450,000	
1400	8M10	2/20/69	AMICOM	Night Fox	10,000	
1401	9F10		DASA	DIAMOND DUST	\$3,000,000	
1402	9N10	7 MAR 1969	USASASA	Low Maintenance Rifle Program	\$277,000	
1403	9N10	3/11/69	DSS-W	Surface Effect Vehicles	794,176	
1404	9F10	7 MAR 1969	Lockheed	Gamma Ray Spectroscopy from Satel	\$99,906	
1405	9F10	7 MAR 1969	ONR	Meridian Diagnostic Research, SRI	\$38,285	
1388	9E50	3/6	AFAL	Advanced Optical Technology Program	50,000	
1389	9E50	3/5	SAMSO	Advanced Optical Technology Program	900,000	
1390	9E50	3/5/69	ESSA	Advanced Optical Technology Program	70,000	
1391	9G10	1/22/69	AMICOM	USAMICOM Fees for Level II Support	72,300	

Order No.	Project Code No.	Date of Order	Agent	Project Title	Committment	Project Manager
1406	9M10	10 MAR 1969	DSS-W	Silent Joe II Concept Analysis	\$66,743	
1407	9F10	3/12/69	DASA	Diamond Dust	34,000	(b)(6)
1408 <sup>8</sup>	9F10	3/7/69	ARO (A)	Research in wave propagation/earth-water	\$24,466	
1409	9G10	3/26	CIA	Project EGG ROLL	\$220,000	ODR (b)(6)
1410	9M10	4/15	[REDACTED]	[REDACTED]	120,000	AS (b)(6)
1411	9D20	5/7/69	ONR	Univ of Mich/Scty Data Archive & Analysis Center	500,000	BS/ (b)(6)
1412	9F10	3/20	OSR	Seismic Waves from Impulsive Sources	60,000	NMR (b)(6)
1413	9E90	5/26	AMICOM	Strat MsIs in Non-Nuclear Roles	25,000	STO (b)(6)
1414	9M10	4/11	RML	Undersea Light Propagation	\$48,700	AS (b)(6)
1415	9M10	4/11	RML	Underwater Optical Imaging	\$99,800	AS (b)(6)
1416	9F10	3/18/69	AEC	Satellite-Born Gamma Ray Detector	\$55,500	(b)(6)
1417	9M10	4/11	RML	High Average Power Frequency	\$91,000	AS/ (b)(6)
1418	9M10		RML	Super Sniper Covert Penetration	\$110,000	
1419	9M10	4/11	RML	Underwater Imagery	\$78,000	AS (b)(6)
1420	9F10	3/26	AFTAC	EMP Diagnostics	\$178,676	(b)(6)
1421	9F10	4/8/69	AEC	MERLIN	\$160,000	(b)(6) / NMRO
1422	9E20	4/8	ESSA	Ionospheric Modification Program	238,000	STO (b)(6)
1423	9E20	4/8	RADC	Ionospheric Modification Program	130,000	STO (b)(6)



Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr.
1424	9F10	4-8-	AEC	Underground Diagnostics	\$850K	(b)(6)
1425	9G10	4-1-69	AMICOM	French Lessons Learned in I-China War	\$9,747	
1426	9G10	3-24-69	AMICOM	Vietnamese Cross Fertilization	\$94,800	ODR (b)(6)
1427	9G10	4-8-69	AMICOM	Computer Laboratory-Thailand	\$610K	ODR (b)(6)
1428	0F10	10-1-69	ESSG	Clandestine Testing	\$45K	NMR (b)(6)
1429	0F10	9-29-69	NBS	Fission Product Yield & decay characteristics	\$116K	NMR (b)(6)
1430	0D20	9-26-69	DSS-W	User-system interaction via ARPA Computer Network	\$75,611	IPT/ (b)(6)
1431	9E90	4-9-69	AMICOM	System Application Studies of Spec Wpns	\$50K	STO/ (b)(6)
1432	9E50	4-8-69	AMICOM	General Electric	\$114,700	STO/ (b)(6)
1433	9E50	4-8-69	DASA	Nuclear Interference on IR System	\$200K	STO/ (b)(6)
1434	9D10	4-1-69	AFCL	Damage Threshold Studies in Ruby Lasers	\$169,925	(b)(6)
1435	9F10	4-1-69	AFOSR	Seismological Research by Washington U.	\$29,600	(b)(6)
1436	9F10	4-14-69	CIA	Nuclear Weapons Monitoring Survey	\$48K	NMR/ (b)(6)
1437	9F10	4-8-69	AFSC	LASA Operation & Maintenance	\$995K	NMR/ (b)(6)
1438	9F10	4-21-69	DASA	Stress Wave Effects	\$144K	NMR/ (b)(6)
1439	9D20	6-3-69	DSS-W	CAM	\$2,071,000	BS/ (b)(6)
1440	9G10		AMC	Covert Illumination System	\$25K	ODR (b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1441	9D10	4/8/69	DSS-W	Neodymium Doped Glass Damage Stud.	\$209,000	MATS/ (b)(6)
1442	9E30	4/8/69	ARO(D)	API Program at PIB	134,000	STO/ (b)(6)
1443	9E40	4/9/69	SMY	AMOS	1,700,000	STO/ (b)(6)
1444	9G10	4/9/69	AMICOM	Military Civic Action	187,000	ODR/ (b)(6)
1445	9N10	4/8/69	(b)(6)	Ordinance Fuze Study	250,000	AE/ (b)(6)
1446	9M10	5/19/69	(b)(6)	(b)(6)	79,563	AS/ (b)(6)
1447	9D30	5/8/69	RADC	High Density Dis Recording Develop.	144,946	IPT/ (b)(6)
1448	9F10	4/21/69	OSR	Alaskan Earthquake Reports	\$50,000	NMRO/ (b)(6)
1449	9F10	6/3/69	NAS	Alaskan Earthquake Report	13,275	(b)(6)
1450	9F10	6/3/69	NAS	Alaskan Earthquake Report	50,000	(b)(6)
1451	9M10	6/4/69	AFSC	Imaging with Synthetic Arrays	114,000	AS/ (b)(6)
1452	9G10	6/20/69	AFLC	Detection System	102,000	ODR/ (b)(6)
1453	9G10	6/12/69	DSS-W	Rand Assistance to NSC Staff	\$222,500	ODR/ (b)(6)
1454	9N10	4/9/69	DSS-W	SEV Studies	539,931	AE/ (b)(6)
1455	9E90	4/8/69	CIA	Project AZOTED	324,888	STO/ (b)(6)
1456	9D10	5/28/69	NWC	Naval War College - DSB Summer Study	5,000	PM/ (b)(6)
1457	9G10	4/9/69	AMICOM	KNIGHT HORN	526,395	ODR/ (b)(6)
1458	9E30	4/16	ESSA	Project MAY BELL	\$50,000	STO/ (b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1459	9E30	4/16	ONR	PROJECT MAY BELL	\$806,255	STO (b)(6)
1460	9M10		CIA (C)	Flea Vehicle	199,290	AS/
1461	9M10	4/8/69	D. Labs	Camp Sentinel Radar II	10,000	AS (b)(6)
1462	9M10	6/16/69	DSS-W	<i>Shelter Technology</i> <del>Vietnam Dependent/Refugee Housing</del>	250,000	AS (b)(6)
1463	9D10	4/9/69	AMC	Anomalous Water - Tyco Labs.	74,544	MATS (b)(6)
1464	9D10	4/9/69	AEC	Erbium Doped Laser Glass	141,398	MATS/
1465	9D10	4/10/69	DSS-W	Sputtered Materials - Battelle	188,000	MAKS/
1466	9D10	4/21/69	AFSC	High temp electrochem. res.	89,814	MATS/
1467	9D10	4/9/69	AFAL	Infrared Laser Components	201,000	MATS (b)(6)
1468	9F10		DASA	TRW/Holographic study of strain in rock materials	101,535	NMRO (b)(6)
1469	9F10	4/16/69	GS	Mechanism of Triggering Earthquake	316,400	NMR
1470	0F10	8/5/69	DSS-W	Non-Attributable Covert Nuclear Tests	131,734	NMR (b)(6)
1471	9F10	4/21/69	ESSA	Seismic Data from 250-ton Aleutian Exp.	\$20,000	NMRO (b)(6)
1472	9G10	4/16	AMC	Psychological Operations Teams	\$127,000	ODR (b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1473	9F10	4/9	AFTAC	Construction of Portable Strainmeters	\$218,000	NMR (b)(6)
1474	9G10	4/22	AMICOM	PSYOP Task Force in Vietnam	\$530,000	ODR (b)(6)
1475	9G10	4/10	NVL	Night Surveillance Systems Development		
1476	9G10	4/21	NPS	Thai Operations Research Training	\$14,300	ODR (b)(6)
1477	9E30	4/16	ONR	Calibration and Simulation	62,000	STO/ (b)(6)
1478	9E40	4/16	FTD (AFSC)	Project CLOUD COVER	\$99,914	STO/ (b)(6)
1479	9E20	4/28	ONR	Atomic and Molecular Program	375,000	STO (b)(6)
1480	9E30	4/16	BRL	Hypersonic Flow Field Applic.	\$103,000	STO/ (b)(6)
1481	9E30	4/16	AMICOM	Sprint Tests	93,000	STO/ (b)(6)
1482	9E20	4/28	ARO(D)	Atomic and Molecular Program	\$1,463,918.65	STO/ (b)(6)
1483	9F10	4/16	ESSA	Program Formulation Studies	\$6,360	NMRO/ (b)(6)
1484	9F10	4/24	OSR	Ultra-Stable Seismometers	90,000	NMRO/ (b)(6)
1485	9E20	5/6/69	ESSA	Project SECEDE	25,000	STO (b)(6)
1486	OK10	7/30/69	DSS-W	Harbridge House	178,000	PM (b)(6)
1487	9E50	5/6/69	OAR	Project SECEDE	135,000	STO (b)(6)
1488	9D20	6/3	RADC	CCBS	763,000	BS/ (b)(6)
1489	9E20	5/5	ONR	Aericibo Ionospheric Observatory	\$100,000	STO/ (b)(6)
1490	9M10	5/2	RML	EGYPTIAN GOOSE	\$1,000,000	AS/ (b)(6)

Order No.	Contract No.	Date of Order	Agent	Project Title	Commitment	Project Number
1491	9M10	5/5/69	RML	GRAND VIEW	\$ 385,000	AS/ (b)(6)
1492	9G10	5/5/69	AMICOM	Vietnamese Cross-Fertilize Tr.	258,000	ODR (b)(6)
1493	9M10	6/11/69	AFSC	Project WASP	150,000	AS/
1494	9K10	6/17/69	DSS-W	Hospital Studies	1,612,000	TS (b)(6)
1495	9F10	6/26/69	AEC	LONG SHOT Site	50,000	NMR (b)(6)
1496	0G10	7/1/69	RDFU-V	Air Support for RDFU-V Research	190,000	
1497	0G10	7/1/69	B&F	American Embassy-Beirut	75,000	
1498	0f10	8/15/69	AEC	MILROW	635,000	NMR (b)(6)
1499	0D30	8/18/69	NASA	Research on Intelligent Automata	500,000	IPT (b)(6)
1500	0G10	7/1/69	RDFU-K	Operating Expenses	20,000	
1501						
1502	0F10	8/5/69	AFOSR	Acoustic/Gravity Waves by Nuc. Deton.	74,919	NMR (b)(6)
1503	9M10	8/19/69	AMC	Laser Mapping	65,000	AS/ (b)(6)
1504	8G10	8/6/69	B&F	Trust Fund Balance <i>(ful money standard)</i>	32,000	ODR (b)(6)
1505	<del>0D30</del> 0K10	8/27/69	ARO(D)	New Research Project	417,000	PM/ (b)(6)
1506	0G10	8/15/69	Navy	Thai Training	93,000	ODR (b)(6)
1507	0E20	8/13/69	AMICOM	ARPA STO Programs	160,000	STO (b)(6)
1508	0M10	11/4/69	Army Med	PANDORA	350,000	AS/ (b)(6)
1509	0G10	8/25/69	AFSC	RACIC	835,000	ODR (b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1510	OG10	8/18/69	US Emb(Beirut)	Factors in Cultural Change	\$150,000	ODR / (b)(6)
1511	OM10	8/13	CIA(C)	Micro-Electronic UHF Transmitter	\$285,000	DDR&E (b)(6)
1512	OD10		B&F(DSS-W)	Ferrimagnetic Films	\$140,000	MATS / (b)(6)
1513	DF10	8/28/69	OSR	Very Long Period Seismometers	1,270,000	NMR (b)(6)
1514	OF10	16 SEP 1969	AFOAR	Atmospheric pressure waves from nuclear explosions	\$19,040	NMR (b)(6)
1515	OF10	17 SEP 1969	AFSC	Measurement of in-situ modulus	\$151,000	NMRO / (b)(6)
1516	OD20	8/29/69	DSS-W	Volunt. Improvement/Indiv. Perfor.	10,275	BS (b)(6)
1517	OD10	9/26/69	B&F(DSS-W)	Rare Earths in Luminescent Applications	\$92,816	MATS (b)(6)
1518	OD10	9/26/69	DSS-W	Rare Earth Chalcogenides	151,880	MATS (b)(6)
1519	OM10	9/29/69	AFSC	Optical Contrast Tracker	91,500	AS (b)(6)
1520						
1521	OM10	9/19/69	RML	Tethered Balloon Program	173,400	AS (b)(6)
1522	OF10	9/17/69	AFTAC	PRIME ARGUS	\$149,503	NMR / (b)(6)
1523	OD30	9/16/69	DSS-W	Network Analysis	69,320	IPT (b)(6)
1524	OF10	9/19/69	NSF	Rock Mechanics	10,000	NMR (b)(6)
1525	OF10	3-9-70	C OF E	Frozen Soil and Earth Materials	45,112	NMR (b)(6)
1526	OF10	9/29/69	AFTAC	Long Period Experiment	112,000	NMR (b)(6)
1527	OG10	10/3/69	AMICOM	Defense Res. Studies in Thailand	700,000	ODR / (b)(6)

Order No.	Project Cont. No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1528	9M10	9-24-69	AFRML	BLOW LOW	\$480,000	AS/ (b)(6)
1529	9M10	9-29-69	ALWL	Electric Gunflash Detector	3,000	AS/ (b)(6)
1530	0M10	9-24-69	NASC	Blow Low	270,000	AS/ (b)(6)
1531	9E20	9/29/69	NSF	ARECIBO	\$600,000	STO/ (b)(6)
1532	0F10	10/7/69	ESSA	Teleseismic Data for Rulison	40,280	NMR/ (b)(6)
1533	0F10	10/9/69	DASA	M7V ACANIA Operations	203,000	NMR/ (b)(6)
1534	0G10	10/16/69	AMICOM	Small Arms Program	231,000	ODR/ (b)(6)
1535	0K10	10/6/69	OCD	IDA/OEP Studies	10,000	TS/ (b)(6)
1536	0F10	10/8/69	DASA	Gamma Spectrometry	480,000	NMR/ (b)(6)
1537	0M10	3-13-70	RML	"LIPS"	\$ 298,054	AS/ (b)(6)
1538	8F10	10/14/69	ONR	Underwater Explosion Research	110,000	NMR/ (b)(6)
1539	0F10	10/16/69	AFTAC	EMP and Optical Experiments	150,000	NMR/ (b)(6)
1540						
1541	0G10	10/20/69	AFSC	Continuation of Analytical Activities	655,000	ODR/ (b)(6)
1542	7G10	10/23/69	NASC	Refurbish SH-3A BuNo 148042	79,500	ODR/ (b)(6)
1543	0G10	10/28/69	CNO	Training of Vietnamese Officers	34,672	ODR/ (b)(6)
1544	0G10	11/4/69	AMICOM	SRI and Thai Support for E-Lab	177,164	ODR/ (b)(6)
1545	0E20	10/31/69	CIA	Technical Assessment	250,000	STO/ (b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1546	0M10	11-7-69	CIA (C)	Immunological Identification	\$57,500	AS/ODR
1547	0M10	11-18-69	RML	Position Location Marker	16,000	AS/ (b)(6) (ZAP)
1548	0M10	11-17-69	NATC	QT-2 Support	16,000	AE/ (b)(6)
1549						
1550						
1551	0N10	11-18-69	ONR	SEV Analysis	\$45,000	AE/ (b)(6)
1552	0E30	12-24-69	RADC	Transmitter Module Development	\$100,000	STO/ (b)(6)
1553	9E30	11-28	AEC	Project SECEDE	\$103,000	STO/ (b)(6)
1554	0D30	12-2	ARO(D)	FORTTRAN for ILLIAC IV	\$153,013	IPT/ (b)(6)
1555	0M10	11-28	SAMSO	Technical Support for Have Charity	\$20,000	AS/ (b)(6)
1556	0N10	11-28	ONR	Arctic SEV Program	20,000	AE/ (b)(6)
1557						
1558	0E30	11-28	RADC	OHD Field Experiments	\$395,026	STO/ (b)(6)
1559	0G10	12-4-69	AFSC	Long Range Foliage Penetrat. Radar	\$500,000	ODR/ (b)(6)
1560	0F10	12-3-69	CIA	NIGHT SPOT	\$775,000	NMR/ (b)(6)
1561	0E20	12-4	NSSC	In-House Submarine Sonar Experiments	\$500,000	STO/ (b)(6)
1562	0D10	12-8	ARO(D)	Amorphous Semiconductor Research	\$600,000	MATS/ (b)(6)
1563	0G10	12-18	AMC	Small Arms Program	\$800,000	ODR/ (b)(6)



Order No.	Project Class No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1564	0N10	12-8	AMICOM	Individual Lift Mobility Study	\$26,500	AE/ (b)(6)
1565	0F10	12-18	DASA	Overdriven Explosions	\$255,005	NMR/ (b)(6)
1566	0E30	11-28	NOSC	Project MAYBELL	\$275,000	STO/ (b)(6)
1567	0D10	12-17	DSS-W	Optically Transparent Ceramic Matl	\$145,300	MATS/Test
1568	0N10	2-16	NADC	Small Craft Propulsion System	48,000	ODR/ (b)(6)
1569	9G10	12-15-69 Hqs Cmd		Detection System	102,000	ODR/ (b)(6)
1570	0D10	12-17	DSS-W	Amorphous Semiconductors	\$474,032	MATS/Test
1571	0F10	1-14	ONR	X-Ray Production in Fission Processes	85,438	NMR/ (b)(6)
1572	0G10	12-23	AMICOM	SIAF Communication Subsystem	\$178,504	ODR/ (b)(6)
1573	0D10	12-24	NOL	Amorphous Semiconductor Device	\$650,000	MATS/Test
1574	0G10	1-5-70	AMC	Projected Weapons Needs	190,000	ODR/ (b)(6)
1575	9G10	1-12-70	AMC	Small Arms Travel	150,000	ODR/ (b)(6)
1576	0D10	1-2-70	AMC	Effects of Crack Propagation	\$99,525	MATS/Test
1577	0E30	1-8-70	ONR	OHD Field Experiments	\$596,388	STO/ (b)(6)
1578	0F10	2-17-70	Bur. Mines	Military Geophysics Program	364,318	NMR/ (b)(6)
1579	0F10	2-12-70	Mines	Research in Rock Mechanics	297,552	NMR/ (b)(6)
1580	0F10	2-16-70	AFOSR	Earthquake Generation Research	66,347	NMR/ (b)(6)
1581	0M10	2-18-70	CIA	Non-Lethal Personnel Incapacitation	35,000	BS/ (b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1582	OD30	2-9-70	ECOM	Advanced Plasma Panel	\$185,000	IPT (b)(6)
1583	OM10	2-4-70	APL	Helicopter R. F. Location & Identific. Sys.	\$500,000	ODR (b)(6)
1584	OF10	2-18-70	OSR	Military Geophysics Program	765,996	NMR (b)(6)
1585	OD10	2-6-70	AMICOM	Research on Semiconductor Heteroepitaxy	\$250,000	MATS (b)(6)
1586	OG10	2-4-70	B&F	Small Arms Program - Travel	\$ 25,000	ODR (b)(6)
1587	OD10	2-6-70	ONR	Neodymium Doped Yttralox Ceramic	99,500	MATS (b)(6)
1588	OD10	2-9-70	AMICOM	Rare Earth Compounds	331,017	MATS (b)(6)
1589	OG10	2-28-70	usamerdc	ARPA Fence Alarm (C)	39,400	ODR (b)(6)
1590	OF10	2-20-70	AEC	PRIME ARGUS Diagnostics	208,000	NMR (b)(6)
1591	OD10	6-24-70	NSF	National Academy of Sciences Study	100,000	MATS (b)(6)
1592	OD10	2-25-70	NSR&DL	Non Destructive Testing	206,000	MATS (b)(6)
1593	ON10	2-19-70	ONR	Water Waves by Underwater Explosions	59,000	AE (b)(6)
1594	OF10	3-31-70	DSS-W	Funds for Battelle Memorial Institute	54,895	NMR (b)(6)
1595	OD20	3-6-70	ONR	Improvement of Individual Performance	624,620	BS (b)(6)
1596	OD20	3-6-70	USNMNRU	Improvement of Individual Performance	40,000	BS (b)(6)
1597	OD10	2-19-70	NOL	Semiconductor Research	283,470	MATS (b)(6)
1598	<del>OE30</del>	<del>2-25-70</del>	<del>AMICOM</del>	<del>Building Addition to AMOS Facility</del>	<del>26,000</del>	<del>STO</del> (b)(6)
1599	OM10	2-28-70	RML	GRAND VIEW //BIG EAGLE	200,000	AS (b)(6)
1598	OE30	2-24-70	ONR	Antenna for White House Site	590,000	STO (b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Proc	Contract Mgr
1600	0G10	2-28-70	AMICOM	SIAF Data Collection	\$271,356	ODR	(b)(6)
1601							
1602	1E40	9-28-70	ABMDA	Hypervelocity Range Program	1,450,000	STO	(b)(6)
1603	0E40	2-25-70	AMICOM	Building Addition to AMOS Facility	26,000	STO	(b)(6)
1604	0M10	3-7-70	RML	Egyptian Goose I and Grand View	468,000	AS	(b)(6)
1605	0F10	2-27-70	AFOSR	Seismic Measurements of D/DUST	17,695	NMR	(b)(6)
1606							
1607	IN10	4/8/71	ONR	Scripts Floating Platform	\$1,600,000	(b)(6)	AE
1608	0D10	3-26-70	DSS-W	Rapid Quenching of Liquid Metals	233,000	MATS	(b)(6)
1609	0E30	3-3-70	AFSC	Hypersonic Shear Flows	30,000	STO	(b)(6)
1610	0D10	3-2-70	DSS-W	Damage Properties of Rutile	111,000	MATS	(b)(6)
1611	0F10	3-2-70	AFOSR	Earthquake Triggering Phenomena	291,276	NMR	(b)(6)
1612	0F10	3-2-70	AFOSR	Large Underground Nuclear Tests	65,834	NMR	(b)(6)
1613	IN10	7-17-70	SAMSO	Support Services - ARCTIC SEV	232,700	AE	(b)(6)
1614	0N10	4-6-70	NOSC	Surface Effect Vehicle	300,000	AE	(b)(6)
1615	0N10	4-6-70	Engineers	Arctic Effects Vehicle Program	2,100,000	AE	(b)(6)
1616	0E90	4-20-70	AFSC	Net Technical Assessment	350,000	STO	(b)(6)
1617	0D10	3-2-70	AFML	Rare-Earth Hi-Perf. Magnetic Mtls	467,000	MATS	(b)(6)
1618	0F10	3-3-70	AFOAR	Broadband Accelerometer		NMR	(b)(6)

Order No.	F ect C. s No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1619	0F10	3-21	DASA	Study of Gas Transport Mechanisms	\$78,624	NMR (b)(6)
1620	0F10	4-14-70	AFTAC	Large Array Program	No funds	NMR
1621	0F10	4-8-70	DASA	Hard Based Deterrent Systems	106,800	NMR
1622	0F10	3-3-70	AFOSR	Soviet and Chinese Literature	\$60,422	NMR
1623	8-9D20	6-22-70	ARO(A)	Behavior and Systems Res. Lab.	\$172,000	BS/ (b)(6)
1624	0D3Q	3-16-70	DSS-W	Secure Computer System	334,000	IPT (b)(6)
1625	0F10	3-6-70	AFOAR	Underground Nuclear Events	125,898	NMR (b)(6)
1626	0F10	3-9-70	USGS	Soviet "Plowshare" Explosions	92,000	NMR/ (b)(6)
1627	0D10	3-5-70	AMICOM	Magnetic Rare Earth Compounds	\$155,338	MATS/ (b)(6)
1628	0D10	3-6-70	DSS-W	GaAs and Mixed Crystals	184,586	MATS
1629	0E50	3-11-70	SAMSO	Advanced Optical Program	600,000	<del>STO</del> /
1630	0E50	3-11-70	AEDC	Midcourse Optical Technology Prog.	200,000	STO/
1631	0E50	3-11-70	ONR	Cold Optics Design Research	50,000	STO/
1632	0G10	3-6-70	USANVL	LWIR Weapon Site	\$435,337	ODR/ (b)(6)
1633						
1634	0M10	3-6-70	RML	Plasma Chromatograph	25,000	AS
1635	0D10	3-10-70	DSS-W	Surface Effects of Rare Earths/Metals	92,430	MATS/ (b)(6)
1636	0D10	3-9-70	AFML	Calcopyrite Crystals	61,500	MATS/ (b)(6)

Order No.	Contract No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1637	0D10	3-9-70	AMICOM	Melt-Grown Oxide-Metal Compos.	\$120,080	MATS/ (b)(6)
1638	9/0M10	3-19-70	AFSC	Egyptian Goose I&II/Grand View	468,000	AS (b)(6)
1639	0F10	4-14-70	AEC	LRL Evasion Program	230,000	NMR (b)(6)
1640	0F10	3-9-70	AFTAC	Field Test Program	316,000	NMR
1641	0G10	5/6/70	AFAL	Phase I Laser Target Designator Design	209,465	ODR
1642	0D10	3-13-70	DSS-W	Materials Research on Rare Earths	228,601	MATS/ (b)(6)
1643	0D10	3-10-70	DSS-W	Synthesis of Materials and Compos	\$100,000	MATS/
1644	0D10	3-10-70	DSS-W	Materials and Device Applications	\$184,141	MATS/
1645	0N10	3-10-70	ONR	Expandable Structure Floating Base	305,500	AE (b)(6)
1646	0N10	3-13-70	ECOM	Terminal Guidance Systems	317,832	AE
1647	0E90	3-12-70	AMICOM	High Power Laser Applications	1,000,000	STO/ (b)(6)
1648	0M10	3-12-70	JPL	Long Range Patrol Communications	90,000	SEAM/ (b)(6)
1649	0E20	3-24-70	AFSC	IVY OWN	295,000	STO/ (b)(6)
1650	0E50	3-24-70	ONR	AMM Systems Evaluation	75,000	STO/
1651	0M10	6-5-70	AFSC	Nite Gazelle/Big Ear Testing, Nellis	100,000	AS/ (b)(6)
1652	0E90	3-24-70	AMC	Tactical Warning Research	350,000	STO/ (b)(6)
1653	0M10	3-17-70	CIA	Test of LO-CATE TL-2M Vehicle	110,000	ZAP/DDR&E Seam

Order No.	Funct Code No.	Date of Order	Agent	Project Title	Commitment	Project Manager
1654	0N10	4-3-70	AMICOM	Value of Fire Support Systems	\$ 75,000	AE / (b)(6)
1655	0E30	4-3-70	AMICOM	CONUS/Hawaii Experiments	90,000	STO / (b)(6)
1656	0E30	4-4-70	ONR	Ionospheric Research Program	500,000	STO / (b)(6)
1657	0G10	5-19-70	ONR	General Atronics	350,000	ODR / (b)(6)
1658	0M10	4-9-70	Weap. Ctr	NQ Mine Detector	75,000	SEAM / (b)(6)
1659	0G10	4-14-70	OICC	Remodeling and Rehab of RDFU-V	148,500	ODR / (b)(6)
1660	1K10	4-13-71	DSS-W	Nat's Academy of Science Summer Study for DDR&E	50,000	(b)(6) / PM
1661	0F10	4-27-70	AC&IC	Geophysical Applications	72,900	NMR / (b)(6)
1662	0K10	5-1-70	DSS-W	Computer Tech. Nat'l War College	130,000	PM / (b)(6)
1663	0F10	4-24-70	AFSC	VELA Data Transmission System	120,000	NMR / (b)(6)
1664	0N10	5-7-70	ONR	Oceanographic Inst. of Wash. Prop!	46,600	AE / (b)(6)
1665	0G10	5-8-70	USASASA	Small Rocket Weapon	236,552	ODR / (b)(6)
1666	0M10	5-11-70	AFSC	Tethered Balloon System	40,000	AS / (b)(6)
1667	0M10	5-22-70	NASA	Tethered Balloon System	40,000	AS / (b)(6)
1668	0N10	5-20-70	ONR	Arctic Technology	238,093	AE / (b)(6)
1669	0G10	5-11-70	USASA	Study Small Arms for Suppressive Fire	250,000	ODR / (b)(6)
1670	0F10	5-11-70	AFOAR	Continued Work at General Atronics	204,895	NMR / (b)(6)

Order No.	Subject Code No.	Date of Order	Agent	Project Title	Commitment	Project Mgr
1671	OK10	5-19-70	NAS	Survey of Physics	10,000	PM/ (b)(6)
1672	OG10	6-30-70	DSS-W	Support for Dynamics of Military Balance	58,100	ODR/ (b)(6)
1673	ON10/1N10	12-22-70	ONR	Dev of Oceanographic Tech/Strat Surv.	534,000	AE/ (b)(6)
1674	ON10	6-11-70	CG(CBU)	Modification of SK5	\$325,000	AE/ (b)(6)
1675	OG10	5-28-70	ONR	Transfer of Task Forces for MACSA	536,745	ODR/ (b)(6)
1676	ON10	6-22-70	NSSC	Arctic SEV Program	2,900,000	AE/ (b)(6)
1677	OK10	6-17-70	B&F	U.S. Share of NATO Special Funds	12,100	PM/ (b)(6)
1678	1G10	7-1-70	B&F	Salaries paid from RDT&E Funds	150,000	PM/ (b)(6)
1679	1N10	7-1-70	NRL	Combat and Logistical Vehicles	170,000	AE/ (b)(6)
1680	OM10	6-17-70	AMC	2 Mod Kits for Night Observ. Device Super	3,000	AS/ (b)(6)
1681	OD10	6-24-70	ONR	Study of High Temperature/Conductors	201,000	MATS/ (b)(6)
1682	OM10	8-4-70	RML	Pocket Veto Program	1,000,000	AS/ (b)(6)
1683	1N10	12-11-70	AMICOM	SEV Capabilities for Northern Operations	25,000	AE/ (b)(6)
1684	1F10	7-1-70	USGS	NCER Costs	186,000	NMR/ (b)(6)
1685	OD10	6-30-70	AMICOM	Research on Rare Earth Metals	108,434	MATS/ (b)(6)
1686	OD10	6-30-70	ECOM	Optoelectronic Emitter	65,000	MATS/ (b)(6)
1687	9F10	7-1-70	NBS	Increased Costs - 6% Pay Raise	17,000	PM/ (b)(6)

Order No.	Project Category No.	Date of Order	Agent	Project Title	Commitment	Project Mgr
1688						
1689	1F10	7/20/70	AFOSR	Experiments on Dynamic Triggering of Faulting	121,702	(b)(6) /NMR
1690	1F10	7-20-70	AFWL	Rapid Excavation of Rock	\$ 51,220	NMR (b)(6)
1691	1F10	8-3-70	AFTAC	Meinel Band Research	75,000	NMR
1692	1G10	8-10-70	AMICOM	Infiltration Problems Iran's Persian Gulf	446,451	ODR
1693	1G10	7-30-70	AMICOM	Systems Analy & Modeling effort-TRW	590,000	ODR/
1694	1P10	8-5-70	NSA	Intelligence Computer Network study	30,000	IPT (b)(6)
1695	1F10	8-3-70	DASA	Ytterbium Stress Transducers	88,389	NMR (b)(6)
1696	1N10	8-10-70	NURDC	Advanced Submarine Concepts	700,000	AE (b)(6)
1697	1D30	8-4-70	DSS-W	Natural communication w/Computers	900,000	IPT (b)(6)
1698	1M10	8-17-70	NOSC	Air Warfare Panel 71-1 ZAP(DDR&E)	100,000	ODR
1699	1N10	8-7-70	NSF	Arctic Assessment Study	20,000	AE (b)(6)
1700	1G10	8-10	AMICOM	Man as a Weapon System	300,000	ODR (b)(6)
1701	1G10	9-22-70	NVL	SIAF Program	133,734	ODR
1702	1F10	8-10-70	AFTAC	CAD Research Program	500,000	NMR
1703						
1704	1G10	8-28-70	AMICOM	Field Test for SIAF Systems	436,485	ODR (b)(6)
1705	1F10	8-19-70	AFSC	Seismological research at GWUniv	39,165	NMR



Order No.	Project No.	Date of Order	Agent	Project Title	Commitment	Principal Mgr
1706	2D30	7/1/71	RML	Picture Processing	\$546,462	IPT/ (b)(6)
1707	1M10	8-28-70	RML	Support of Deep Look Program	\$300,000	AS/ (b)(6)
1708	1F10	8-28-70	ONR	Analysis of NTD Capabilities	106,799	NMR/ (b)(6)
1709	0M10	8-27-70		Big Light Requisition	18,000	AS/ (b)(6)
1710	1G10	9-4-70	NSSC	Naval U/Water Systems Ctr Research	98,100	ODR/ (b)(6)
1711	1K10	8-31-70	NBS	Interagency Council for Materials	5,000	MATS/ (b)(6)
1712	1F10	9-4-70	ONR	OTH EMP Research by SRI	198,102	NMR/ (b)(6)
1713	1F10	9-22-70	DASA	DIAMOND MINE	1,765,000	NMR/
1714	1F10	9-22-70	AFTAC	VELA-UNIFORM Research Program	1,835,000	NMR/
1715						
1716	1N10	11-19-70	Undersea R&D Ctr	Marine technology program	\$149,000	AE/ (b)(6)
1717	1G10	10-22-70	HDLabs	Data Gathered on Radar Returns	29,300	NMR/ (b)(6)
1718	1E/F90-10	9-29-70	DSS-W	RAND Contract	417,000	PM/ (b)(6)
1719	1F10	10-2-70	ONR	Funding of Underwater Systems, Inc.	71,120	NMR/ (b)(6)
1720	1P10	10-2-70	ARO(D)	Theory of Global Climate	52,000	IPT/ (b)(6)
1721	1P10	10-5-70	ARO(D)	Atmospheric Flow Calculations	70,970	IPT/
1722	1F10	9-30-70	AFOSR	Large Shot Seismicity	586,334	NMR/

Order No.	Project No.	Date of Order	Agent	Project Title	Commitment	Project Mgr
1723	1E20	10/16/70	AMICOM	Use of Lasers in Weapons Effects	50,000	(b)(6) STO
1724	1E90	12-4-70	AFSC(AFTD)	Telemetry Intercepts from ABM Vehicle	80,000	
1725	1E20	10-8-70	AEC	Scale Model Construction	25,000	STO (b)(6)
1726	1G10	10-13-70	AMICOM	Horizontally Polarized Surface Waves	\$186,287	ODR
1727	1E90	2-8-71	ONR	Soviet ASW Capabilities	\$250K	STO/
1728	1E90	12-11-70	Nav Mat'l	Net Technical Assessment	599,000	STO/
1729	1G10	10-20-70	DSS-W	Strategic Arms Limitation Talks	18,870	ODR (b)(6)
1730	0N10	11-4-70	ONR	Roughness of the Ocean Surface	288,000	AE/ (b)(6)
1731	ID30	10-23-70	ARO-Durham	NETWORK Data Handling System	230,000	IPT (b)(6)
1732	1F20	11-17-70	ITS	IVORY CORAL	490,000	STO
1733	3E20	11/6/72	ONR	IVORY CORAL	\$152K	STO
1734	1E40	11-10-70	AFSC	PRESS NKC-135 Aircraft	325,000	STO/
1735	1G10	11-2-70	AMC	PRAISE Course	521,840	ODR/ (b)(6)
1736	1G10	10-7-70	DSS-W	RAND Corp.	1,500	ODR (b)(6)
1737	1M10	1/19/71	RML	Deep Look	175,000	(b)(6) AS
1738	1D10	12-4-70	AFSC(CRL)	Research on Optical Damage to Thin Films	30,000	MATS (b)(6)
1739	1F10	12-22-70	B&F	Purchase of Calculator & Writer	6,176	NMR (b)(6)

Order No.	Project Case No.	Date of Order	Agent	Project Title	Commitment	Project Mgr
1740						
1741	1E30	12-22-70	ONR	Continuation of OHD Programs	251,000	STO/ (b)(6)
1742	1G10	12-22-70,	AID Vietnam	Flying Services - RDFU. V	\$ 35,000	ODR/ (b)(6)
1743	1G10	12-22-70	ESD(AFSC)	Military Weapons Systems	160,000	ODR/ (b)(6)
1744	1F10	1-8-71	AFWL	Illiac IV Users Group	35,000	NMR (b)(6)
1745	1F10	1-4-71	AFTAC	Conver. of Monte Carlo to ILLIAC	75K	NMR (b)(6)
1746	1K10	12-22-70	AFOSR	Research Results in Chemistry	30,000	TS (b)(6)
1747	1F10	1-4-71	SAMSO	Orbiting Gamma Spectrometer	1800K	NMR (b)(6)
1748	1D30	1-4-71	ARO-Durham	Nile Blue Reseach - Univ Ill.	150K	IPT (b)(6)
1749	1M10	2-9-71	AFSC/RML	Ruby Laser	100K	AS/ (b)(6)
1750	1G10	1-4-71	DSS-W	Computer Sciences Contract	22K	ODR (b)(6)
1751	1D20	1-18-71	ONR	Human Factors Research	130K	(b)(6)
1752	1D30	1-11-71	ECOM	Nile Blue Res. Cont. with S, S, & S	200K	IPT/ (b)(6)
1753	1K10	1-25-71	BI&R	Japanese Rearmament	25,000	BS/ (b)(6)
1754	1F10	1-8-71	ONR	Prime Argus Optics Experiment	155,000	NMR (b)(6)
1755	1N10	3/12/71	NASC	Surf. Eff Take-off and Land. Sys	495,000	A/E (b)(6)
1756	1D20	3/26/71	RADC	Computer Methods for Anal. & Mod. of Complex Systems	\$1,700,000	BS (b)(6)
1757	1G10	1-13-71	AMC	SIAF System Verfff. Test	360K	ODR/ (b)(6)

Order No.	Subject Code No.	Date of Order	Agent	Project Title	Commitment	Project Mgr
1758	1F10	1/19/71	AFOSR	Gov't Support for Ser. by Develco	\$35K	NMR/ (b)(6)
1759	1F10	2/11/71	AFTAC	EMP Research	\$120K)	(b)(6) NMR
1760	1E90	3/2/71	ONR	SLBM Threat	\$300,000	(b)(6) STO
1761	1M10	2/1/71	USMC	ANPPS-10 Lightweight Surv. Radar	\$38K	AS/ (b)(6)
1762	1M10	1/19/71	Ch. of. Nav. Mat	ZAP -Subcaliber Artillery	\$306K	ODR/ (b)(6)
1763	2M10	1/29/71	RML	Image Restroation Facility	\$442,000	(b)(6) AS
1764	1N10	2/11/72	ONR	Hydrodynamic Research	\$692,000	AE/ (b)(6)
1765	1E90	1/26/71		Polar Fox II Ex/ Prog.	\$1,615,000	(b)(6) STO
1766	1P10	2/1/71	NBS	Networks Standards Rev. by NBS	\$15K	IDS/ (b)(6)
1767	1N10	3/12/71	NSRDC	SK-5 Vehicle	\$500,000	(b)(6) AE
1768	1F10	2/1/71	AFTAC	Additional funds for ILLIAC IV	\$100K	NMR/ (b)(6)
1769	1N10	2/11/71	CNA	Arctic Operations	\$176,000	AE/ (b)(6)
1770	1G10	2/4/71	DSS-W	Analysis of Vietnamization	\$250K	(b)(6) /ODR
1771	1G10	2/3/71	RDC-T	Endorsement of RDC-T Request	\$100K	ODR/ (b)(6)
1772	1N10	3/31/71	ONR	Arctic Operational Technology	\$111,000	(b)(6) AE
1773	C A N C E L L E D 7 February 1971					
1774	1F10	2/2/71	OSR	Support - Columbia Univ.	\$295K	NMR/ (b)(6)
1775	1F10	2/3/71	AEC	Optical Instrument Device	\$60K	NMR/ (b)(6)

Order No.	Subject Code No.	Date of Order	Agent	Project Title	Commitment	Project Mgr
1776	1F10	2/2/71	ONR/NSSA	Space Experiment ARPA-501	\$25K	NMR/ (b)(6)
1777	1K10	2/1/71	OCRD	DoD non-Therapeutic Drug Usage	\$90K	Tech/ (b)(6)
1778	1G10	3/2/71	DSS-W	Analyze Nixon Doctrine & Anal. Summary	\$225,000	ODR/ (b)(6)
1779	2N10	11/16/71	ONR	Acoustic Mapping of an Arctic Ocean region	\$63,873	(b)(6) AE
1780	1F10	2/5/71	AEC	Clandestine Test Studies	\$80K	NMR/ (b)(6)
1781	1F10	2/19/71	AEC	EMP Experiment	\$200K	NMR/ (b)(6)
1782	1N10	3/31/71	NURDC	Pacific Sea Ice Marginal Zone	\$530,000	(b)(6) AE
1783	1N10	3/31/71	ONR	Arctic Basin Technology	\$889,000	(b)(6) AE
1784	1N10	3/31/71	USCG	Develop Ice Penetrometer	\$70,000	(b)(6) AE
1785	1D10	2/5/71	ONR	Network Models of Crystals	\$75K	Mats/ (b)(6)
1786	1D30	2/18/71	ARO(D)	Nile Blue	\$49,918	IPT/ (b)(6)
1787	1N10	3/31/71	NRL	Acoustics in Sea Ice Marginal Zone	\$240,000	(b)(6) AE
1788	1N10	3/31/71	ONR	Atlantic Sea Ice Marginal Zone	\$120,000	(b)(6) AE
1789	1E90	3/8/71	AMICOM	Adv. Concepts for Air & Missile Def.	\$100,000	STO/ (b)(6)
1790	1G10	2/24/71	CIA	LO-CATE	\$352,365	ODR/ (b)(6)
1791	1G10	2/24/71	CIA	Loren C Research & Dev.	\$442,995	ODR/ (b)(6)
1792	1M10	3/2/71	ASD/WPAFB	Optical Telescope and LLTV Sys.	\$158,000	(b)(6) /AS
1793	1F10	3/2/71	ONR	Thorium and Uranium Nuclides	\$62K	(b)(6) /NMR
1794	1D30	3/2/71	DSS-W	Tenex Computer System	\$50,000	(b)(6) IPT

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Mgr
1795	1F10	3/2/71	AFCRL	Seismic Research	\$218K	(b)(6) /NMR
1796	1F10	3/11/71	NOSC	Wake Detection Experiment Prog.	\$163,000	NMR (b)(6)
1797	1F10	3/11/71	NRL	Submarine Trailing Device	\$100,000	NMR
1798	1F10	3/11/71	NOL	Submarine Wake Detection	\$75,000	NMR
1799	1F10	3/11/71	NURDC	Nuclear Submarine Escape Flux.	\$100,000	NMR
1780	1F10	2/5/71	AEC	Clandestine Test Study	\$80,000	NMR/
1781	1F10	2/19/71	AEC	Modified ARPA-Funded Physical Diagnostics Prog for FY 71	\$200,000	(b)(6) NMR
1782	1N10	3/31/71	NURDC	Pacific Sea Ice Marg. Zone	\$530,000	AE
1783	1N10	3/31/71	ONR	Arctic Basin Technology	\$889,000	/AE
1784	1N10	3/31/71	US Coast Guard	Develop Ice Penetrometer	\$70,000	/AE
1785	1D10	2/5/71	ONR	Network Models of Crystals	\$75,000	/Mats
1786	1D30	2/18/71	ARO-D	Numerical Des-Tropical Cyclones	\$49,918	APT
1787	1N10	3/31/71	NRL	Sea Ice Marginal Zone	\$240,000	(b)(6) AE
1788	1N10	3/31/71	NOcean. O.	Atlantic Sea Ice Mg Zone	\$120,000	AE
1789	1E90	3/8/71	AMICOM	System Planning Corp.	\$100,000	(b)(6) /STO
1800	1G10	3/30/71	AEC	Systems to Countermeasure an IR Guided Surface-to-Air-Missile	\$410,000	(b)(6) /ODR
1801	1E90	3/5/71	ONR	Numerical Code Development	\$105K	(b)(6) STO

Order No.	Project Case No.	Date of Order	Agent	Project Title	Commitment	Project Mgr
1802	1F10	3/29/71	DSSW	Response to Nuclear Weapon Threats	\$74,461	(b)(6) NMR
1803	1G10	5/14/71	NADC	Mini copters, autogyro flight	\$245,000	(b)(6) ODR
1804	1G10	3/11/71	BRL	Acoustic/Seismic Helicopter Acquisition	\$164,817	(b)(6) ODR
1805	1E20	3/2/71	NOAA	Ivory Coral	\$50,000	(b)(6) STO
1806	1E90	4/9/71	ONR	Laser Research Program	\$1,360,000	(b)(6) STO
1807	1E90	3/24/71	ONR	Pulsed Electric Laser R&D Program	\$1,500,000	(b)(6) STO
1808						
1809	1E90	3/29/71	ONR	Maybell II Program	\$515,000	(b)(6) STO
1810	1E20	3/31/71	AFWL	Laser Program	\$200,000	(b)(6) STO
1811	1E20	3/11/71	ONR	OTH Technology	\$203,000	(b)(6) STO
1812	1E20	3/3/71	AMICOM	Strategic Technical Analysis	\$95,000	(b)(6) STO
1813	1F10	3/11/71		Subsurface Waste Emplacement Rsch	\$403,200	(b)(6) NMR
1814						
1815	1F10	3/11/71	AEC	Crystal Development	\$40,000	(b)(6) NMR
1816	1P10	3/11/71		Research in On-Line Computation	\$158,000	(b)(6) IPT
1817	1E20	2/26/71	AMICOM	Technical & Research Support to ODDR&E	\$359,000	(b)(6) STO
1818	1E90	3/29/71	RADC	Dragon Lily	\$349,159	(b)(6) STO

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Mgr
1819	1D10	3/3/71	ONR	Piezoelectric Polymer Study	\$50,000	(b)(6) MS
1820	1E20	5/6/71	ARO-D	Institutional Research Program	\$100,000	(b)(6) STO
1821	1E20	5/6/71	ARO-D	Institutional Research Program	\$50,000	(b)(6) STO
1822	1E90	3/31/71	SAMSO	Advanced Strategic Concepts Analysis	\$125,000	(b)(6) STO
1823	1M10	3/24/71	NVL	Dev. of Prototype Higher Performance 1.06 Image Intensifier	\$245,000	(b)(6) AS
1824	1D10	4/6/71	DSSW	Glassy Carbons	\$150,263	(b)(6) MS
1825						
1826	1F10	3/26/71	CIA	TAXPAYER	\$50,000	(b)(6) NMR
1827	1F10	3/26/71	AFOSR	Earthquake Triggering Phenomena	\$105,000	(b)(6) NMR
1828	1F10	4/9/71	AFOSR	Remote Spectrometer Studies	\$82,388	(b)(6) NMR
1829	1D10	3/26/71	DSSW	Glassy Carbons	\$80,000	(b)(6) MS
1830	1D10	3/10/71	DSSW	Glass Like Carbons	\$113,000	(b)(6) MS
1831	1K10	5/7/71	NSF	Employment/Unemployment status of U.S. scientists and engineers	\$100K	(b)(6)
1832	1E10	3/31/71	REWSON-PM7	Intelligence Collection Equipment	\$113,000	(b)(6) STO
1833	1E90	3/26/71	USAMC	Advanced Optics Site	\$425,000	STO (b)(6)
1834	0E20/1E20	4/27/71	CIA	Collection Technology	\$300,000	(b)(6) STO
1835	1M10&0M10	3/23/71	RML	Fine Look Program	\$500,000	(b)(6) AS



Order No.	Subject Case No.	Date of Order	Agent	Project Title	Commitment	Project Mgr
1836	1F10	3/24/71	AEC	Diagnostic Research Program	\$200,000	(b)(6) /NMR
1837	1F10	4/2/71	DSSW	Merger of SASC and SDL	\$60,929	(b)(6) NMR
1838	1F10	4/2/71	AFCRL	<del>Motion Isolation-Gravity Gradimeter</del>	\$450,000	(b)(6) /NMR
1839	1F10	4/2/71	AEC	Tensor Code Converted to ILLIAC IV	\$120,000	(b)(6) NMR
1840	1G10	3/24/71	AMICOM	Advanced Patrol Sensor System	\$120,000	(b)(6) ODR
1841	1F10	4/13/71	AFTAC	Bluenose Research Support	\$100,000	(b)(6) NMR
1842	1G10	3/26/71	ARO	Visual and Acoustic Delay Technique	\$95,145	(b)(6) ODR
1843	1F10	4/2/71	AEC	Diagnostic Research Program	\$550,000	(b)(6) /NMR
1844	1E20	3/18/71	AMICOM	STO IAC	\$330,000	(b)(6) STO
1845	1D20	3/24/71	DFPSL	Monitoring of USSR Behavioral Science	\$5,000	(b)(6) /BS
1846	1F10	4/2/71	AEC	Compound SemiConductors as Nuclear Detection Devices	\$153,000	(b)(6) /NMR
1847	1F10	4/2/71	AFCRL	Prime Argus Evasion Program	\$114,373	(b)(6) NMR
1848	1G10	4/6/71	AMC	Tactical Nuclear Delivery Sys. Sty	\$250,000	(b)(6) /NMR
1849	1D10	3/11/71	AMMRC	Brittle Materials Design	\$300,000	(b)(6) MS
1850	1F10	3/26/71	NASA	ILLIAC IV Computer System	\$232,000	(b)(6) /IPT
1851	1G10	3/24/71	AMICOM	Naval Tactical Nuclear Delivery Sys.	\$148,575	(b)(6) /ODR
1852	1F10	4/2/71	ESD	NORSAR Computer	\$1,600,000	(b)(6) NMR
1853	1N10	6/29/71	NOSC	Acoustic Synthetic Aperture	\$225,000	(b)(6) /AE

Order No.	Subject Code No.	Date of Order	Agent	Project Title	Commitment	Project Mgr
1854	1M10	4/1/71	AMC/NVL	Hand Held Night Viewer	\$72,000	(b)(6) / AS
1855	1E20	5/14/71	ABMDA	Ivy Owl	\$125,000	(b)(6) / STO
1856	1E40	5/7/71	AFCR L	Plume Observables & Countermeasures	\$155,000	(b)(6) / STO
1857	1E40	5/7/71	AFRPL	Plume Observables & Countermeasures	\$175,000	(b)(6) / STO
1858	1G10	3/24/71	ARO	Tactical Nuclear Warfare	\$299,939	(b)(6) / ODR
1859	1F10	4/2/71	ONR	Meinel Band Research	\$19,727	(b)(6) / NMR
1860	1F10	4/2/71	CIA	Optimizing Design of Gamma-Ray	\$47,653	(b)(6) / NMR
1861	1D10	4/6/71	DSSW	Carbon Research	\$114,980	(b)(6) / MS
1862	1E90	3/19/71	NURRC	Fog Cutter	\$400,000	(b)(6) / STO
1863	1M10	5/3/71	AFETR/RML	Synthetic Apertures	\$495K	(b)(6) / AS
1864	1M10	4/13/71	RML	Deep Look	\$1,055,000	(b)(6) / AS
1865	1F10	4/2/71	AFTAC	Satellite Feasibility Study	\$120,000	(b)(6) / NMR
1866	1F10	4/2/71	DASA	Dependence of Telesismic Amplitudes	\$150,265	(b)(6) / NMR
1867	1F10	3/25/71	DASA	Foreign Nuclear Testing	\$150,123	(b)(6) / NMR
1868	1D10	4/2/71	AMC	Rare Earth Doped YLF as laser host	\$99,000	(b)(6) / MS
1869	1N10	5/6/71	NRL	Acoustic & Electromagnetic Submarine Communication	\$250,000	(b)(6) / AE
1870	1N10	3/31/71	NSSC	Aymara (Classified Title)	\$692,000	(b)(6) / AE
1871	1N10	5/6/71	NEL	Optics Submarine Communication	\$100,000	(b)(6) / AE

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Mgr
1872	1N10	5/6/71	NURDC	Environmental Influences on Submarine Comm.	\$250,000	(b)(6) / AE
1873	1F10	6/24/71	DASA	Climate Mod. Program	\$30,000	(b)(6) / NMR
1874	1F10	4/9/71	DASA	Dev. of Field Analysis System	\$256,152	(b)(6) / NMR
1875	1F10	4/9/71	ONR	Earth's Particles & Fields	\$5,000	(b)(6) / NMR
1876	1M10	4/5/71	AFSC/AFETR	Cefar Yonder	\$405,000	(b)(6) / AS
1877	1F10	5/10/71	DSSW	Civil Threats from Weapons of Mass Destruction	\$162,239	(b)(6) / NMR
1878	1F10	4/9/71	AMC	Support to DIA Senior Lance Prog.	\$50,000	(b)(6) / NMR
1879	1F10	5/3/71	RADC	Nuclear TestBan Evasion Sty	\$274,627	(b)(6) / NMR
1880	1M10	4/26/71	NUSC	Underwater Imaging System	\$45,000	AS (b)(6)
1881	1M10	4/26/71	AFETR	Trim Line Program	\$900,000	(b)(6) / AS
1882						
1883	1E20	5/3/71	REWSON	Night Owl	\$200,000	(b)(6) / STO
1884	1G10	4/26/71	AMC	Area Intrusion Detection Scanner	\$44,613	ODR (b)(6)
1885	1F10	5/6/71	DASA	Nuclear Logistics Safety Sty	\$44,320	(b)(6) / NMR
1886	1M10	6/18/71	ASD/WPAFB	Design Sty - Infrared Sty	\$240,000	(b)(6) / AS
1887	1M10	6/18/71	CIA	Infrared Study	\$10,000	(b)(6) / AS
1888	2D30	4/27/71	ARO-D	Computational Logic		IPT (b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Mgr
1889	1D10	5/3/71	SAMSO	Bonding Technology	\$54,000	(b)(6) MS
1890	1F10	5/6/71	ONR	Space Evasion Sty	\$54,000	(b)(6) NMR
1891	1N10	5/25/71	NSRDC	Aymara	\$30,000	AE (b)(6)
1892	1N10	5/25/71	NURDC	Aymara	\$344,000	AE (b)(6)
1893	1F10	5/10/71	AEC	Logistics Support of Isotopes	\$5,000	(b)(6) NMR
1894	1G10	5/17/71	AMICOM	Tactical Air Defense Sty	\$126,411	(b)(6) ODR
1895	1P10/1D30	5/25/71	DSSW	User Support Processor for ILLIAC IV	\$365,000	(b)(6) IPT
1896	1K10	5/18/71	Corp of Eng.	Sty of Herbicides & Military Ops	\$10,000	(b)(6)
1897						
1898	1G10	5/10/71	NSSC	Coastal Patrol & Interdiction Craft	\$500,000	ODR (b)(6)
1899	2P10	5/19/71	ARO-D	Parallel Computation		IPT (b)(6)
1900	1E90	5/25/71	USASA	Proj. Maybell	\$55,000	STO (b)(6)
1901	1E20	6/21/71	CIA	Proj. Kebbie	\$100,000	(b)(6) STO
1902	1E20	6/21/71	AMICOM	Weapon System Accuracy Growth * Threat Implication	\$25,000	(b)(6) STO
1903	1E20	6/21/71	ONR	FBM Survivability Analysis	\$140,000	(b)(6) STO

Order No.	Act No.	Date of Order	Agent	Project Title	Commitment	Pr	Mgr
1904	1E20	6/19/71	NRL	Top Shot	\$270,000	(b)(6)	STO
1905	1E20	6/19/71	AFWL	Top Shot	\$240,000	(b)(6)	STO
1906	1E20	6/15/71	NURDS	Internal Surface Wave Interactions	\$143,000	(b)(6)	STO
1907	1E20	6/22/71	NRL	1971 Summer Tower Experiments	\$47,000	(b)(6)	STO
1908	1E20	6/15/71	AMICOM	Salt Support Group	\$10,000	(b)(6)	STO
1909	2E20	7/1/71	AMICOM	ASW Management	\$200,000	(b)(6)	STO
1910	1E20	6/29/71	ONR	Adv. Submarine Detection	\$125,000	(b)(6)	STO
1911	1E20	6/29/71	NADC	Adv. Submarine Detection	\$55,000	(b)(6)	STO
1912	1E20	6/29/71	Bud & Fin. Div	Adv. Submarine Detection	\$30,000	(b)(6)	STO
1913	2G10	7/1/71	(RDC-T)	RDTE Salaries & Air Support	\$100,000	ODR	(b)(6)
1914	1D10	6/11/71	AMMRC	Rare Earth Colbalt Magnetic Matls	\$90,000	(b)(6)	MS
1915	1F10	6/17/71	SMSD	Locating Diverted Nuclear Weapons	\$54,736	(b)(6)	NMR
1916	1M10	6/21/71	AFAL	Non Cryogenic FLIR IMaging Detector	\$200,000	(b)(6)	AS
1917	2N10	7/1/71	ONR	Underwater Explosion Effects Sy	\$68,000	(b)(6)	AE
1918	1M10	6/23/71	ASD-WPAFB	Nite Gazelle	\$600,000	(b)(6)	AS
1919	1M10	6/23/71	NWL	Pave Mace	\$8,000	(b)(6)	ODR
1920	1E20	6/22/71	ONR	1971 Summer Tower Experiment	\$69,000	(b)(6)	STO
1921	1F10	6/29/71	AEC	EMP Experiment	\$397,000	(b)(6)	NMR

Order No.	Act No.	Date of Order	Agent	Fund Title	Commitment	Pr.	Mgr
1922	2F10	7/20/71	AEC	Styd of Deep Levels in Detector-Grade Germanium	\$25,000	(b)(6)	NMR
1923	2E20	7/12/71	ONR	Agent Administrative Costs	\$60,000	(b)(6)	PM
1924	2D30	7/12/71	AFOSR	Agent Administrative Costs	\$12,000		PM
1925	2E20	7/12/71	SAMSO	Agent Administrative Costs	\$15,000		PM
1926	2P10	7/12/71	RADC	Agent Administrative Costs	\$30,000		PM
1927	2E20	7/12/71	AFCRL	Agent Administrative Costs	\$11,000		PM
1928	2E20	7/12/71	AFWL	Agent Administrative Costs	\$19,000		PM
1929	2F10	7/12/71	AFTAC	Agent Administrative Costs	\$17,000		PM
1930	2G10	7/12/71	AMC	Agent Administrative Costs	\$25,000		PM
1931	2P10	7/12/71	AMC	Agent Administrative Costs	\$3,000		PM
1932	2G10	7/12/71	ARO(A)	Agent Administrative Costs	\$1,000		PM
1933	2E20	7/12/71	ARO(D)	Agent Administrative Costs	\$17,000		PM
1934	2F10	7/12/71	AEC	Agent Administrative Costs	\$2,000		/PM
1935	2G10	7/12/71	USASAA	Agent Administrative Costs	\$3,000		PM
1936	2E20	8-3-71	ESD/AFSC	Agent Administrative Costs	\$10,000		PM
1937	2N10	7/13/71	NSRDC	Agent Administrative Support Costs	\$9,000		/PM
1938	1M10	6/30/71	NVL	Photon Imaging Devices	\$150,000		(b)(6)
1939	1M10	6/30/71	NOL	Opti-acoustic Phenomenology	\$115,000	(b)(6)	AS
1940	2M10	7/13/71	RMT.	Agent Administrative Costs	\$6,000	(b)(6)	/PM

Order No.	Project No.	Date of Order	Agent	Project Title	Commitment	Project Mgr
1941	2D20	9/16/71	DSS-W	Staffing & Assistance to Conduct Seminar	\$ 29,994	BS/ (b)(6)
1942	2K10	7/20/71	OSD	Travel Exp. Incurred by Herbicides St.	\$ 10,000	PM
1943	2D30	8/13/71	ARO(D)	Artificial Intelligence & Speech Underst.	\$968,328	IPT
1944	1&2M10	8/2/71	ASD/AFSC	Develop an Optical Spectrum Analyzer	\$161,892	AS/
1945	2F10	8/3/71	DNA	Agent Admin Support Costs	\$ 18,000	PM
1946	2N10	8/3/71	ONR	ARPA Support of U. Hawaii Symposium	\$ 11,479	AE
1947	2F10	8/11/71	SAMSO	GE Space Study	\$297,599	NMR (b)(6)
1948	2M10	9/23/71	DSS-W	Biocybernetics	\$ 40,500	BS/ (b)(6)
1949	2D20	8/25/71	AFOSR	Decision Making Under Stress	\$140,000	BS/
1950	2n10	10/1/71	ONR	Solid State Lens f/Shadowgraph Sonar	\$ 75,000	AE
1951	2N10	10/1/71	ONR	Develop a Sono-Optical Imaging System	\$ 90,000	AE
1952	2D30	8/11/71	NSA	Agent Admin Support Costs	\$ 2,000	PM/ (b)(6)
1953	2E20	9/16/71	ABMDA	Reentry Physics Program	\$1,480,000	STO
1954	2K10	9/3/71	DSS-W	ARPA Computer Maintenance	\$10,000	PM/
1955						
1956	2P10	9/3/71	NASA	Random Access Computer Com. Net.	\$530,000	IPT (b)(6)
1957	2M10	10/14/71	ASD	Study of Hologram Optical Elements	\$ 51,500	AS/ (b)(6)
1958	2N10	9/27/71	ONR	Wake Steering of Submersibles	\$ 70,000	AE
1959	2M10	9/27/71	ASD	Study and Exper. in Microwave Holog.	\$ 93,000	AS/

Order No.	Subject Code No.	Date of Order	Agent	Project Title	Commitment	Project Mgr
1960	2E20	10/1/71	DSS-W	Purchase of Laser Tech. Report	\$ 2,000	STO/ (b)(6)
1961	2G10	9/27/71	AMICOM	Psyops Lessons Learned	\$265,000	ODR/ (b)(6)
1962	2F10	9/22/71	DNA	ILLIAC IV Radiation Transport Program	\$ 56,841	NMR/ (b)(6)
1963	2E20	9/22/71	AEC	X-Ray Hardening	\$150,000	STO/ (b)(6)
1964	2F10	9/23/71	AFOSR	Nile Blue (NMR Project)	\$150,000	IPT/ (b)(6)
1965	2M10	10/8/71	RML	High Resolution Electric Camera	\$400,000	AS/ (b)(6)
1966	2D10	10/8/71	NSRDC	Research on Superconducting Machinery	\$200,000	MATS/ (b)(6)
1967	2G10	10/18/71	ECOM	RF Extender for Laser Target Design.	\$ 25,000	ODR/ (b)(6)
1968	2G10	10/8/71	ESD	ROK Integrated Comm, Cmd&Control	\$423,000	ODR/ (b)(6)
1969	2D10	11/9/71	DSS-W	Analytical Stud. of IR Window Matls	\$169,628	MATS/ (b)(6)
1970	2F10	10/8/71	AFTAC	Obtain info re: Under/ground Expl.	\$ 82,382	NMR/ (b)(6)
1971	2F10	11/1/71	BuMi	ARPA Agent Admin Support	\$ 50,000	PM/ (b)(6)
1972	2G10	10/18/71	CIA	Project Axillary	\$759,000	ODR/ (b)(6)
1973	2F10	10/18/71	DNA	Convert Dragnet Code to Run ILLIACIV	\$100,000	NMR/ (b)(6)
1974	2M10	10/18/71	AFAL	ARPA Admin Support (Agent)	\$ 10,000	PM/ (b)(6)
1975						
1976						
1977	2N10	10/18/71	ONR	Study of Application of Matls to Hulls	\$ 39,770	AE/ (b)(6)
1978	2K10	10/15/71	NRL	Subscription for FY 72 SVIC Services	\$ 1,000	TIC/ (b)(6)



Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Mgr
1979	2G10	10/15/71	ASD	ARPA Agent Admin Support	\$ 4,000	PM/ (b)(6)
1980	2E90	10/18/71	DNA	Selected Military Systems	\$ 75,000	STO
1981	2E20	10/18/71	ABMDA	Early IOC ASLBM Def. Effect. Study	\$ 10,000	STO
1982						
1983	2N10	12/2/71	CIA	High Altitude Platform	\$100,000	AS/ (b)(6)
1984	2D30	11/18/71	ONR	Artificial Intelligence	\$ 1,000	IPT/ (b)(6)
1985	2K10	10/18/71	AFML	Support of Tripart. Tech. Cooperation	\$ 25,000	PM/ (b)(6)
1986	2D30	11/18/71	ONR	Speech Parameterization	\$ 30,000	IPT/ (b)(6)
1987	2M10	2/24/72	NVL	Large Areas IR Photoemitter Devel.	100,000	(b)(6) AS
1988	2M10	2/24/72	NVL	Improved Image Intensifier Tubes	725,000.	(b)(6) AS
1989	2P10	11/15/71	ONR	Sonar Signal Processing	\$435,581	IPT/ (b)(6)
1990	2G10	11/19/71	AMICOM	Review & Evaluate SIAF Program	\$ 73,496	ODR (b)(6)
1991		2/3/72	AFAL	Long Range Laser Target Desig	\$604,120	(b)(6) OIR
1992	2P10	11/18/71	ARO(D)	Analytic Solution of Coupled Mode Equat.	\$ 35,539	IPT/ (b)(6)
1993	2D10	11/9/71	AFOSR	Computer Based Language Tr. System	\$205,000	BS/ (b)(6)
1994	2E20	12/2/71	SAMSO	Plume Observables and Countermeasures	\$ 22,074	STO/ (b)(6)
1995	2D10	11/9/71	CIA	Battery Research	\$199,000	MATS (b)(6)
1996	2D10	12/2/71	ONR	Gradient Polymers	\$ 54,000	MATS (b)(6)
1997	2D30	12/2/71	ONR	Speech and Picture Processing	\$ 96,377	IPT/ (b)(6)

Order No.	Subject No.	Date of Order	Agent	Project Title	Commitment	Project Mgr
1998	2P10	12/27/71		Fault Tolerant Computing	\$150,000	<del>IPT</del> (b)(6)
1999	2D10	11/18/71	AMICOM	Magnetic Bubble Materials	\$127,323	<del>MAF</del> (b)(6)
2000	2M10	12/2/71	NELC	Remote Vibration Sensing System	\$425,000	AS (b)(6)
2001	2E90	12/2/71	B&F	Project LAMBDA	\$100,000	STO (b)(6)
2002	2D20	11/19/71	ONR	Study of Displays for Piloted Vehicles	\$141,177	BS/ (b)(6)
2003	2G10	12/23/71	DSS-W	Ammunition Develop & Production	20K	TTO/ (b)(6)
2004	2F10	12/27/71	NOAA	Underground Propagation Meas.	\$140,000	NMR/ (b)(6)
2005	2P10	12/27/71	DSS-W	OnLine Group Conferencing	\$120,000	IPT (b)(6)
2006						
2007	2E90	12/2/71	B&F	Adv. MidCourse Optical Technology	\$150,000	STO/ (b)(6)
2008	2M10	11/19/71	NASC	Study Solid State Micro-Components	\$185,000	AS (b)(6)
2009	2F10	12/2/71	NRL	Illiac IV Programming Techniques	\$ 66,000	NMR (b)(6)
2010	2D30	12/13/71	DSS-W	Analysis of the Stress on Phenomes	\$ 40,000	IPT (b)(6)
2011	2G10	1/14/72	MERDC	Land Mine Detection System	64,983	TTO (b)(6)
2012	2D10	12/27/71	ONR	Ionospheric Model Research	\$ 75,000	NMR (b)(6)
2013						
2014	2D10	12/30/71	AFCRL	Halide Superalloys for High Power Laser Windows	\$65,000	(b)(6) Mats
2015	2F10	1/5/72	DNA	General Structural Analysis Prog. for Illiac IV	\$99,850	(b)(6) NMR
2016	2D10	12/27/71	NBS	Laser Materials Damage Measurement	\$100,000	MATS (b)(6)

Order No.	Project No.	Date of Order	Agent	Project Title	Commitment	Project Mgr
2017						
2018	2G10	12/13/71	RDC-T	Program Impact Evaluations	\$175,000	TTO/ (b)(6)
2019	2F10	12/27/71	NOAA	Ionospheric Model Development	\$120,000	NMR/ (b)(6)
2020	2F10	12/27/71	ONR	Air Chemistry Study	\$ 60,000	NMR/ (b)(6)
2021	2F10	1/5/72	NURDC	Trace Chemical Analysis	\$ 80,000	NMR/ (b)(6)
2022	2E20	12/13/71	AEC	Numerical & Analytical Fluid Dynamics	\$ 37,000	STO/ (b)(6)
2023						
2024	2N10	12/29/71	AEC	Low Frequency, High Power Sound Source	\$500,000	(b)(6) AE
2025	2G10	12/21/71	AEC	Prototype Analysis of the Comm Sys Dev & Prod Potential of the ROK	\$44,384	TTO/ (b)(6)
2026	2G10	12/28/71	ATAC	Prototype Analysis of the Tank Automotive Sys Develop and Prod Pot	\$39K	TTO (b)(6)
2027	2G10	12/20/71	NELC	Production Potential of ROK	\$ 33,980	TTO (b)(6)
2028	2F10	1/5/72	AEC	Detection of Effluents	110,000	NMR (b)(6)
2029	2D10	12/10/71	NRL	Chemistry and Physics of Glass	\$ 85,000	MATS (b)(6)
2030	2F10	12/27/71	AMICOM	Code Conversion to ILLIAC IV	\$ 55,000	NMR/ (b)(6)
2031	2D10	12/20/71	NRL	Alkali Halide Windows	\$ 75,000	MATS (b)(6)
2032	2E90	12/20/71	B&F	High Power Gas Lasers	\$236,137	STO/ (b)(6)
2033	2F10	12/20/71	AEC	Intrinsic Germanium Crystals	\$ 97,937	NMR (b)(6)
2034	2D20	1/7/72	DSS-W	Feasibility Study for Design of Biocybernetic Comm System	64,000	HRRO/ (b)(6)

Order No.	ject Case No.	Date of Order	Agent	Project Title	Commitment	Pro. t Mgr
2035	2F10	12/27/71	NOL	Submarine Wake Detection	\$145,000	NMR / (b)(6)
2036	2F10	1/25/72	NURDC	Nuclear Materials Detection	\$	(b)(6) / NMR
2037	2F10	12/20/71	APL	Detector Cooling System	\$380K	(b)(6) / NMR
<del>2038</del>	<del>2D10</del>	<del>1/5/72</del> encl. 1/10/72	<del>DSS-W</del>	<del>Rare Earth Ions in Single Crystals</del>	<del>131,904</del>	<del>Mats</del>
2039	2G10	3/7/72	AMICOM	Ground Tactical Warfare Systems Applications	200,000	(b)(6) TTO
2040	2E50	12/27/71	ABMDA	SCOOP	\$2,200,000	STO (b)(6)
2041	2E50	12/27/71	NRL	AMOT	\$150,000	STO
2042	2D10	12/27/71	CRL	Laser Surface Damage of Optical Matls	\$ 88,314	MATS (b)(6)
2043	2D10	12/27/71	ONR	Polymetal Phosphinates	\$100,000	MATS
2044	2D10	12/29/71	NSF	IDL Transfer	\$4,600,000	MATS
2045	3E90	12/30/71	RADC	Sov Radar Tech	152,000	(b)(6) / STO
2046	2G10	1/5/72	ASASA	Sliding Breech Maching Gun	\$225,000	TTO
2047	2G10	1/18/72	ASD	Hi Zoom FLIR	525,000	TTO
2048	2G10	1/12/72		Analyses of Area Fire vs Pt Fire Flat Trajectory Small Arms Weapon Sys	305,742	(b)(6) TTO
2049	2G10	1/7/72	NELC	Coastal Patrol Analysis	6,650	(b)(6) TTO
2050	2D10	1/14/72	DSS-W	Damage in High Energy Density Glass Lasers	109,151	(b)(6) MATS
2051	2D10	1/18/72	DSS-W	Research on the Development of an Insulating Organic Ferromagnet	76,134	(b)(6) MATS
2052	3F10	1/12/72	AEC	Cadmium Telluride Detectors	37,000	(b)(6) / NMR
2053	2D10	1/14/72	DSS-W	Single Crystal Thin Film Silicon	68,764	(b)(6) MATS

Order No.	Subject Code No.	Date of Order	Agent	Project Title	Commitment	Project Mgr
2054	2F10	1/18/72	NESC	IBM Multi-Station Array Experiment	504,000	(b)(6) / NMR
2055	2D10	1/7/72	AFCRL	Materials for IR Laser Windows	271,950	(b)(6) / Mats
2056	2M10& 2G10	1/7/72	ASD	Mini-Laser Sensor/Designator System	425,000	(b)(6) / AS
2057	3F10	1/13/72	AEC	Shipborne and air borne version of optical device	60,000	(b)(6) / NMR
2058	3F10	1/13/72	AF Flight Dyn Lab	Semiconductor Neutron Det	75,000	(b)(6) / <del>NMR</del>
2059						
2060	2F10	1/14/72	USGS	USGS Site Selection and Identification	273,000	(b)(6) / NMR
2061						
2062	2E20	1/14/72	NRL	Laser Research Program	1,200,000	(b)(6) / STO
2063	2E90	1/18/72	AEC	Maybell II	150,000	STO (b)(6)
2064		2/7/72	AFWL	High Power Gas Lasers	200,000	(b)(6) / STO
2065	3E20	8/7/72	AEC	Protracted Nuclear War Capabilities Problems	120,000	(b)(6) / STO
2066	2G10	2/12/72	AMICOM	Analytical Approach to Modern Revolutionary Warfare	51,094	(b)(6) / ITT
2067	2D20	2/1/72		Quantitative Methods for Long Range Strategic Forecasting	256,969	(b)(6) / HRI
2068	2D30	1/29/72	ARO-D	Grammar for Spoken English	49,984	(b)(6) / IPT
2069	2P10	1/20/72	ARO(D)	Numerical Methods	150,000	(b)(6) / IPT
2070	2G10	1/19/72	NASC	Agent Admin Support for NASC	2,500	(b)(6) / PM
2071	2D10	1/18/72	AFML	Develop new Thallium-Containing Chalcogenide Nonlinear Optical Crystals for Nonlinear Optical Eval.	\$40K	(b)(6) / Mats
2072	2D10	1/14/72	AFML	Wide Line Width Laser Materials	75,000	(b)(6) / MA

Order No.	Object Code No.	Date of Order	Agent	Project Title	Commitment	Project Mgr
2073	2D10	2/9/72	DSS-W	Hi Temperature Phase Change Materials	86,000	(b)(6) MA
2074	2D10	1/29/72	AFCLR	Integrated Optical Circuits	122,000	(b)(6) / Mats
2075	2D10	3/21/72	AFAL	Solid State Laser Illuminator	50,000	(b)(6) Mats
2076	2N10	2/1/72	NSRDC	Inhouse Effort on Shirt Materials	100,000	(b)(6) AE
2077	2N10	2/12/72	NSRDC	Arctic Sev Program	460,000	(b)(6) AE
2078	2E20	3/3/72	ONR	ARPA Teal Wing	65,000	(b)(6) STO
2079	2E20	3/2/72	RADC	Smooth Ledge	200,000	(b)(6) STO
2080	2E20	3/3/72	RADC	Space Object Surveillance & Identification	450,000	(b)(6) STO
2081	2E20	3/3/72	AMICOM	Space Defense Program	250,000	(b)(6) STO
2082	2G10	3/20/72	DNA	Tactical Warfare Study	145,000	(b)(6) TTO
2083	2D10	3/13/72	AEC	3-d computer codes	120,000	(b)(6) / MATS
2084	2K10	4/10/72	Nat'l Inst. of Health	Sty of Vietnam Drug Users	110,000	(b)(6) HRRO
2085	0D20	3/16/72	Dept of State	Study of China Political & Military Factions	25,000	(b)(6) HRRO
2086	2N10	3/16/72	AMICOM	Analysis of SEV Missions	30,000	(b)(6) AE
2087	2G10	3/20/72	DIA	Project SEATIDE	150,000	(b)(6) TTO
2088						
2089	2P10	1/29/72	ARO-D	Global Weather, Modeling with Vector Spherical Harmonics	48,848	(b)(6) IPT
2090	2D30	1/25/72	NSA	Documentation of Relational Structures System		(b)(6) IPT
2091	2G10	3/7/72	AMICOM	Tailored Response to Low Level Conflicts & Foreign Internal Stability Situations	240,000	(b)(6) TTO

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	(b)(6)	Project Mgr
2092	1M10	2092	AEC	Unattended Ground Sensors Develop	685,000	(b)(6)	AS
2093	2M10	1/24/72		Study Locating Electronic Emitters	75,000	(b)(6)	AS
2094	2D30	1/29/72	ONR	Micro-Automation	465,000	(b)(6)	IPT
2095	2D30	1/29/72	ONR	Automatic Programming and Natural Communication	2,300,000	(b)(6)	IPT
2096	2N10	1/29/72	CRREL	Acoustic Determination of Near Surface Structure of Permafrost and Ice	123,000	(b)(6)	AE
2097	2G10	3/2/72	AEC	Ground Based Nuclear Monitoring Sys.	300,000	(b)(6)	TTO
2098	2D20	1/29/72	RADC	Interface Center for Computer Based Behavioral Studies	72,875	(b)(6)	HRR
2099	2M10	1/29/72	ECOM	Adv. Millimeter Wave Research	94,000	(b)(6)	AS
2100	2F10	2/1/72	ONR	Hardened Communications	50,000	(b)(6)	NMRO
2101	2F10	2/1/72	NAVELEX	Adv. Acoustic Array Data Processing Development and Evaluation	291,504	(b)(6)	NMRO
2102	2F10	2/1/72	DNA	3-D Seismic Code	75,000	(b)(6)	NMRO
2103		2/7/72	DNA	Mine Dust	1,750,000	(b)(6)	NMRO
2104		2/7/72	OSR	Mine Dust & HE Events	93,000	(b)(6)	NMRO
2105	2D20	2/11/72	ONR	Technology of Interference & Decision	80,000	(b)(6)	HRR
2106	2G10	2/1/72	AEC	Extended Range Artillery Spotting Techniques	118,000	(b)(6)	TTO
2107	2G10	3/9/72	AMICOM	Mobility-Military Operations in Built-up areas	140K	(b)(6)	TTO
2108	2D20	2/1/72	ONR	Adv. Display Techniques	116,000	(b)(6)	HRR
2109	2G10	4/13/72	AMICOM	Civil Interaction-Military Operations in Built-up Areas	45,000	(b)(6)	TTO
2110	2G10	2/1/72	RDFU-V	Vietnamese Tech. Lexicon	112,000	(b)(6)	TTO

Order No.	Project Case No.	Date of Order	Agent	Project Title	Commitment	Project Mgr
2111			<i>AMICOM</i>	Administrative Support	(b)(6)	PM
2112	2E20	2E20	AMICOM	Teak Green	98,000	(b)(6) /STO
2113		2/7/72	AMICOM	Lasers	377,000	(b)(6) STO
2114	2E90	2/24/72	RADC	Early Warning Technology	75,000	(b)(6) /STO
2115		2/7/72	ABMDA	Laser Propulsion	100,000	(b)(6) STO
2116	2E50	2/11/72	AFAL	Plume Observables and Counter-measures	300,000	(b)(6) STO
2117	2E20	2/12/72	RADC	Strategic Technical Assessment	260,000	(b)(6) STO
2118	2G10	2/24/72	ASD	2" Isocon Camera Devel.	160,000	(b)(6) TTO
2119	2G10	2/9/72	ARO-A	Tactical Nuclear Weapons	114,856	(b)(6) TTO
2120	2P10	3/2/72	DSS-W	Advanced Signal Processing Sys.	349,016	(b)(6) IPT
2121	2N10	2/1/72	NASC	SETOLS Test	500,000	(b)(6) /AE
2122		2/7/72	RADC	Remote Graphics	48,000	(b)(6) IPT
2123	2N10	2/11/72	NURDC	Evaluate Karig Feher Cycly	132,000	(b)(6) /AE
2124	2E20	2/11/72	RADC	Advanced Surveillance Technology	50,000	(b)(6) /SEO
2125	2E20	4/10/72	CIA	Strategic Technical Analysis Ctr	178,000	(b)(6) STO
2126	2E20	3/2/72	AMICOM	Advanced Strategic Detection	160,000	(b)(6) STO
2127	2E20	3/2/72	ONR	Advanced Strategic Detection	100,000	(b)(6) /STO
2128		2/7/72	HEL	Behavior of Drug Users	59,000	(b)(6) HRRO
2129	2D20	2/9/72	DSSW	Behavioral Effects of Drug Users	65,000	(b)(6) HRRO



Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Mgr
2130	2M10	2/12/72	NASC	Deep Look	30,000	(b)(6) AS
2131	2F10	2/24/72	OSR	Support Finnish Rsch at NORSAR	11,000	(b)(6) NMR
2132	2F10	3/3/72	OSR	Equatorial Ionosphere	41,000	(b)(6) /NMR
2133	2F10	2/9/72	ONR	Submarine Detector	192,000	(b)(6) /NMR
2134		2/7/72	OSR	Broad Band Sensors	656,969	(b)(6) /NMR
2135		2/7/72	ONR	Submarine Detection	217,000	(b)(6) NMR
2136	2E90	2/24/72	AMICOM	Strategic Technical Assessment	100,000	(b)(6) STO
2137		2/7/72	AEC	Stack Effluents	95,000	(b)(6) NMR
2138		2/7/72	ONR	IR Laser Windows	71,000	(b)(6) MATS
2139	2F10	2/9/72	NUROC	ASW Data Proc. Experiment	107,000	(b)(6) NMR
2140		2/7/72	ONR	Phase O Study	50,000	(b)(6) NMR
2141	2F10	2/11/72	ONR	Plasma Injection	169,820	(b)(6) NMR
2142	2F10	2/10/72	NURDC	Sonar Data Collection System	74,000	(b)(6) IPT
2143	2M10	2/10/72	RADC	Spread Spectrum Radar Program	110,000	(b)(6) AS
2144	2M10	2/12/72	AFAL	Heterojunction Photocathode Development	100,000	(b)(6) /AS
2145	2D20	2/12/72	DSS-W	Census Data Use and Access	150,000	(b)(6) /HRRO
2146	2D20	2/10/72	ESD/AFSC	Advanced Instructional Systems for Field Use	193,000	(b)(6) /HRRO
2147	2G10	2/11/72	AMICOM	Analysis of Collateral Damage and its Reduction	358,000	(b)(6) TIO

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Project Mgr
2148	2G10	3/16/72	AMICOM	Built-Up Areas	400,000	(b)(6) TTO
2149	2G10	3/2/72	DNA	Tactical Weapons	329,000	(b)(6) TTO
2150	2N10	2/11/72	NSRDC	Advanced Propulsion Systems	535,000	(b)(6) AE
2151	2F10	2/12/72	DSS-W	Implementation of NLS on Mini-Computer	66,000	(b)(6) IPT
2152	2E20	3/3/72	OSD	Advanced Strategic Detection	38,000	(b)(6) STO
2153	2E20	3/3/72	ONR	Advanced Strategic Detection	84,000	(b)(6) STO
2154	2G10	2/24/72	RADC	RPV Command and Control Comm.	150,000	(b)(6) TTO
2155	2G10	2/11/72	AMICOM	Low Visibility Land Combat	350,000	(b)(6) TTO
2156	2F10	2/25/72	AEC	LASL funding for Director's Support Prog.	400,000	(b)(6) NMR
2157	2F10	2/9/72	Corps of Eng	Underground Nuclear Tests	18,000	(b)(6) NMR
2158	2D10	2/9/72	NELC	Integrated Optical Circuits	105,000	(b)(6) MATS
2159	2F10	2/9/72	OSR	NILE Blue	66,000	(b)(6) IPT
2160	2F10	2/11/72	DNA	Military Systems Vulnerability	364,000	(b)(6) NMRO
2161	2N10	2/11/72	AEC	Explosives Flux Compression Devices	100,000	(b)(6) AE
2162	2N10	2/11/72	ONR	Acoustic Communication Systems	98,031	(b)(6) AE
2163	2G10	4/13/72	AMICOM	Military Operations in Built Up Areas	70,000	(b)(6) TTO
2164	2G10	2/24/72	ECOM	Fast Frequency Hopping	107,342	(b)(6) TTO
2165	2G10	3/3/72	OSD	Laser Backscatter Measurements	281,000	(b)(6) TTO

Order No.	P. Cod	t o.	Date of Order	Agent	Project Title	Commitment	Project	igr
2166	2P10		2/12/72	AEC	Counter System Certification	800,000	(b)(6)	IPT
2167	2M10		2/24/72	NVL	Variable Affinity Photocathode	30,000	(b)(6)	AS
2168								
2169	2D10		3/2/72	DSS-W	Methods and Applications of Fracture Control	100,000	(b)(6)	Mats
2170	2F10		3/2/72	DSS-W	Investigation of Nat'l Security Implications	100,000	(b)(6)	NMR
2171	2F10		2/9/72	AFTAC	Purchase of 2 Computers for SAAC	373,000	(b)(6)	NMR
2172	2D10		2/11/72	DSS-W	Polycrystalline Halides for use in High Power Laser Windows	77,000	(b)(6)	MATS
2173	2D10		2/12/72	ONR	RF Sputtering of Semi-Conductor and High Dielectric Constant Oxide Films	75,000	(b)(6)	MATS
2174	2D10		2/24/72	DSS-W	Homopolar Torque Converter	320,000	(b)(6)	MATS
2175	2D10		2/11/72	NWC	Improve Mirrors in High Power Gas Lasers	250,000	(b)(6)	MATS
2176	2M10		2/24/72	RML	Balloon Technology	235,000	(b)(6)	AS
2177	2M10		2/24/72	NASA	Improved Balloon Materials	175,000	(b)(6)	AS
2178	2M10		2/24/72	Nav. Matls	Solid State Hydrogen Gas Generator	40,000	(b)(6)	AS
2179	2M10		2/24/72	AFCRL	Balloon Technology	100,000	(b)(6)	AS
2180	2D10		2/12/72	AFCRL	Reliability of Integrated Circuits	197,000	(b)(6)	MATS
2181	3D10		4/20/72	AMMRC	High temperature ceramic gas	150,000	(b)(6)	MATS
2182	2D10		2/24/72	NVL	Photocathode for Nite Vision Image Intensifiers	291,809	(b)(6)	MATS
2183	2F10		2/12/72	OSR	Block Broad Band Accelerometer	107,000	(b)(6)	NMR

Order No.	P. Co.	t. No.	Date of Order	Agent	Project Title	Commitment	Project	Aggr
2184	2D10		4/20/72	AMMRC	Mechanics of Brittle Materials	150,000	(b)(6)	Mats
2185	1N10/2E20		3/3/72	ONR	Advanced Strategic Detection	660,000		STO
2186	2D10		3/2/72	NBS	Material and Refrigeration Components	100,000	(b)(6)	Mats
2187	2F10		3/13/72	DSS-W	Treaty Verification for BW-CW Agents	94,000		NMR
2188	2E20		3/3/72	OSD	Advanced Strategic Detection	60,000	(b)(6)	STO
2189	2D20		2/12/72	DSS-W	Advanced Training Technology	164,000	(b)(6)	HRRO
2190	2D20		2/24/72	DSS-W	Biocybernetics	112,000		HRRO
2191	2E90		2/12/72	NSSC	Long Aperture Experimental Array	420,000		STO, (b)(6)
2192	2M10		2/24/72	NVL	Pyroelectric Detector Research	100,000	(b)(6)	AS
2193	2M10		2/24/72	NVL	Anti Blooming Silicon Intensifier	120,000		AS
2194	2E20		3/3/72	OSD	Advanced Strategic Detection	100,000	(b)(6)	STO
2195	2F10		3/16/72	ONR	Impact of DoD on Environment	119,735	(b)(6)	NMRO
2196	2D10		4/10/72	DSS-W	Damage Profiles in Silicon	67,000	(b)(6)	Mats
2197	2D10		3/2/72	AMICOM	Technical Support for Materials	33,000		Mats
2198	2D10		3/20/72	DSS-W	Novel Surface Acoustic Wave Transducer Techniques	60,000	(b)(6)	Mats
2199	2F10		2/24/72	ONR	Non Acoustic ASW	324,000	(b)(6)	NMR
2200	2D10		3/2/72	DSS-W	Cryogenic System and Superconductive Power	249,000		Mats
2201	2E20		2/25/72	AMICOM	Salt Support Group	100,000	(b)(6)	STO
2202	2G10		3/13/72	AEC	Adapting 3D Computer Codes for Design of	120,000		Mats

Order No.	P. Coa	t No.	Date of Order	Agent	Prj Title	Commitment	Projec	Mgr
2203	2E20		2/24/72	ASD	Agent Administrative Support	2,000	(b)(6)	PM
2204	2D20		6/6/72	AFSC	Drug Abuse	9,000	(b)(6)	HRRO
2205	2G10		3/27/72	NWL	PAVE MACE EQUIPMENT	65,000	TTO/ (b)(6)	
2206	2G10		4/10/72	Picatinny Arsenal	Ammunition Development	28,945	(b)(6)	TTO
2207	2N10		4/20/72	NURDC	Mobility Submarines	70,000	(b)(6)	TTO
2208	1D20		4/18/72	RADC	Refined Delphi Judgment Techniques	80,000	(b)(6)	HRRO
2209	2G10/2M10		4/18/72	AMICOM	Analytical Activities	300,000	(b)(6)	TTO
2210	2F10		4/20/72	AEC	Auroral Optical Experiment	20,000	(b)(6)	NMR
2211	2G10		4/20/72	AMICOM	Tracking Guidance Technology	72,000	(b)(6)	TTO
2212	2M10		2/26/72	NRL	Deep Look Adv. Laser R&D	85,000	(b)(6)	AS
2213	2K10		4/24/72	NSF	Int'l Union of Pure & Applied Physics	7,000	(b)(6)	PM
2214	2E20		5/1/72	DNA	Project EXCEDE	50,000	(b)(6)	STO
2215	2M10		5/3/72	ESD	Unattended Ground Sensors	30,000	(b)(6)	AS
2216	3G10		6/14/72	NSA	Electro-Optical Tactical Threat Analysis	111,000	(b)(6)	TTO
2217	3N10		5/2/72	NRL	Submarine Communications	75,000	(b)(6)	TTO
2218	3G10		7/1/72	RDFR-K	In-House Support	25,000	(b)(6)	TTO
2219	2M10		5/9/72	RADC	Remote Detection of Illicit Drug Manufacturing Facility	5,000	(b)(6)	AS
2220	2E20		5/16/72	DNA	Missile Defense in Support of ODDR&E	35,000	(b)(6)	STO

Order No.	P. t Coc. No.	Date of Order	Agent	Project Title	Commitment	Project Agr
2221	2F10	5/9/72	OSR	Nile Blue	160,060	(b)(6) IPT/NMR
2222	2N10	5/17/72	NUSC	Sythetic Aperture Sonar	14,850	(b)(6) TTO
2223	2D30	5/12/72	DSS-W	Automatic Programming	50,000	IPT/(b)(6)
2224	2E20	5/17/72	AMICOM	ODDR&E Salt Support	25,000	(b)(6) STO
2225	2E20	5/17/72	AMICOM	Micropulsation Study	25,000	(b)(6) STO
2226	2G10	6/1/72	AMICOM	Methods of Technical Communications	32,000	TTO/(b)(6)
2227	3G10	7/1/72	RDFOME	In-house research	25,000	TTO/(b)(6)
2228	3G10	7/1/72		Mission Analysis for Tactical Nuc Weapons	50,776	TTO/(b)(6)
2229	3D20	7/1/72		Rev & Eval of Adv Beh Science Tech	200,000	HRRO/(b)(6)
2230	2M10	5/19/72		Project Compass Trip	170,000	AS/(b)(6)
2231	3M10	7/1/72		Special Satellite Ground Activities	400,000	AS/(b)(6)
2232	3F10	7/1/72		ILLIAC IV	45,000	NMR/(b)(6)
2233						
2234	3R10	7/1/72		Support Costs	150,000	PM/(b)(6)
2235	3F10	6/20/72		Support of Committee on Tunneling Res and Tech	2.5K	NMR/(b)(6)
2236	3G10	7/14/72		SIAF Model	200,000	TTO/(b)(6)
2237	3G10	7/1/72		Concept for a Future Rifle System	99,478	TTO/(b)(6)
2238	3G10	7/3/72	AMICOM	TACTEC	400,000	TTO/(b)(6)
2239	3E20	7/12/72	ONR	Advanced Strategic Detection	249,000	STO/(b)(6)

Order No.	P. Co.	it No.	Date of Order	Agent	Proj. Title	Commitment	Project Agr
2240	3D20		7/17/72	DSS-W	Application of Analytical Techniques to DoD Research Interests	72,000	(b)(6) / HRRO
2241	3D10		7/26/72	DSS-W	IDL's	125,000	(b)(6) / Mats
2242	3E90		7/1/72	OSI	Technical Security Services	3,000	(b)(6)
2243	3D10		7/18/72	AFCRL	Development of Instrument to Measure Low Emissivities	175,000	(b)(6) Mats
2244	3D20		8/9/72	DSS-W	Computer Based Systems	15,000	HRRO (b)(6)
2245	3D20		7/27/72	DSS-W	Plato IV Computer Based Educator's Sys	602,320	(b)(6) HRRO
2246	3F10		8/25/72	ONR	Analysis of OVI-18 Satellite Data	30,000	(b)(6) NMRO
2247	3F10		7/17/72	DNA	Conversion of MAZE 2 Code to Illiac IV	42,000	(b)(6) NMR
2248	3G10		7/14/72	DNA	Soviet Strategy for MidEast & North Africa	180,000	(b)(6) TTO
2249	3K10		7/14/72	OSD	Subscription for FY 73 SVIC Services	1,000	(b)(6) TIO
2250	3F10		7/18/72	DIA	Agent Admin Support for DIA	2,100	(b)(6) PM
2251	3N10		7/19/72	NSRDC	Arctic Sev Program	650,000	(b)(6) TTO
2252	3E20		11/8/72	ONR	Magnetohydrodynamic Laser Investigation	99,292	STO (b)(6)
2253	3D30		7/25/72	ARO-D	Speed Space Measurement Theory	50,000	(b)(6) / IPT
2254	3D30		8/9/72	DSS-W	On-Line Graphic Computation	1,500,000	(b)(6) IPT / (b)(6)
2255	3F10		7/25/72	NRL	Precision Satellite Radar Altimetry Sys.	300,000	(b)(6) NMRO
2256	3E20		7/25/72	RADC	TOP SEA	700,000	(b)(6) / STO
2257	3E20		8/7/72	AMICOM	Evaluate Methods pursued by STO Contractors	44,675	(b)(6) STO
2258	3P10		8/1/72	RML	Network Management	31,000	(b)(6) IPT

Order No.	Fund C. No.	Date of Order	Agent	Prj Title	Commitment	Proj	gr
2259	3D10	8/15/72		Research on Semi-conductor Matls & Devices	243,000	(b)(6)	Mats
2260	3F10	8/11/72	ONR	Magnetospheric Wave Particle Interaction Research	75,000	(b)(6)	NMR
2261	3F10	8/2/72	NSTIC	Detection of Low Level Radiation	25,000	(b)(6)	NMRO
2262	3F10	8/11/72	ONR	Ionospheric Model	100,000	(b)(6)	NMRO
2263	3F10	8/1/72	NRL	Improved Nuclear Radiation Detectors	300,000	(b)(6)	NMRO
2264	3M10	8/18/72	NVL	Adv. Nite Mine Laser Designator Sys.	400,000	(b)(6)	AS
2265	3M10	8/9/72	ASD	Adv Night Mini-Laser Designator	250,000	AS/	(b)(6)
2266	3F10	8/11/72	ONR	Ionospheric Model	131,685	(b)(6)	NMRO
2267	3D10	9/6/72	AMMRC	Ferrous Die Casting	63 1,239	(b)(6)	Mats
2268	3F10	8/24/72	ONR	Energy Program Planning	52,000	(b)(6)	NMRO
2269	3F10	9/5/72	AFOSR	Optical Holography	160,000	(b)(6)	NMRO
2270	3F10	9/14/72	ONR	Military Applications for Lithospheric Waves	70,000	(b)(6)	NMRO
2271	3D20	8/7/72	ONR	Decision Theory	82,000	(b)(6)	HRRO
2272	3M10	8/11/72	AFAL	Integrated Amplifier Thermal Imaging Sensor	285,000	(b)(6)	AS
2273	3M10	8/11/72	ASD	Integrated Amplifier Thermal Imaging Sensor	15,000	(b)(6)	AS
2274	3G10	8/10/72	NRL	Optical Countermeasures	549,000	TTO	(b)(6)
2275	3P10	8/15/72		Coherent Active Sonar Source	150,000	(b)(6)	IPT
2276	3G10	9/7/72	AMICOM	Dependency Analysis for US in Defense Overseas	150,000	(b)(6)	TTO
2277	3G10	8/15/72	AS DSS-W	Small Independent Action Force Review	72,022	TTO/	(b)(6)



Order No.	P. Co.	it No.	Date of Order	Agent	Proj. Title	Commitment	Project	Mgr
2278	3G10	8/23/72	AMICOM	Battlefield Support Targetting	94,393	(b)(6)	TTO	
2279	3G10	8/18/72	BRL	Leopard Tank Vulnerability Study	50,000	(b)(6)	TTO	
2280	3G10	8/30/72	NUSC	Acoustic Signature Ships	64,000	(b)(6)	TTO	
2281	3E20	8/25/72	AMICOM	RRI research tasks and studies	2,406	STO (b)(6)		
2282	3E20	10/26/72	AMICOM	Covert Communications	150,000	(b)(6)	STO	
2283	3E20	10/3/72		SEAMEWS	18,080	(b)(6)	STO	
2284	3D20	1/2/73	ONR	Counter-Aided Instruction (CAI)	350,000	HRRO (b)(6)		
2285	3M10	8/31/72	AMC	Adaptive Array Antenna Program	100,000	AS/ (b)(6)		
2286	3F10	9/8/72	DSS-W	Large Scale Network Design & Analysis	422,745	(b)(6)	IPT	
2287	3E10	11/1/72	DSS-W	Resources Mgt & Analysis of Military Sys	566,078	(b)(6)	TTO	
2288	3F10	9/5/72	NESC	Sonar Processing Facility	1,312,713	(b)(6)	IPT	
2289	3G10	9/20/72	DSS-W	Alternatives for US R&D Strategies	549,948	(b)(6)	TTO	
2290	3F10	11/22/72	DSS-W	Remote Conferencing by ARPANET	91,783	IPT/ (b)(6)		
2291	3M10	9/5/72		Advanced Lightweight Laser Designator/Ranger	54,000	(b)(6)	Ad. Sen.	
2292	3K10	9/1/72	OSD B&F	Herbicide Studies	10,000	(b)(6)	PM	
2293								
2294	Various	9/12/72	DSS-W	RAND (Technical Studies)	2,325,000	(b)(6)	PM	
2295	3E20	10/3/72		Technical Parameters for Detection of SSBN	170,000	(b)(6)	STO	
2296	3F10	9/28/72	NEL	Investigation of Digital Processing of Multi-	189,000	(b)(6)	NMR	

Order No.	P. Coc	t No.	Date of Order	Agent	Project Title	Commitment	Project	igr
2297	3F10		10/6/72	AEC	Translation of 2 Soviet Handbooks on Civil Defense	8,000	(b)(6)	NMR
2298	3F10 3F10		9/28/72	AFOSR	Sty for Future Seismic Data Comm. World-Wide	66,000	(b)(6)	NMR
2299	3F10		10/6/72	AFOSR	Historical Climatology	80,000	(b)(6)	NMRO
2300	3F10		10/10/72	DNA	Generation of Shear Waves from Underground Explosions	146,000	(b)(6)	NMRO
2301	3G10		10/3/72		Electro Optical Analysis	186,000	(b)(6)	TTO
2302	3P10		10/17/72	DSS-W	Packet Switching Techniques & Networks	200,044	(b)(6)	IPT
2303	3G10		2/15/73	NUC	Video Bandwidth Compression	125,000	(b)(6)	TTO
2304								
2305	3P10		10/17/72	DSS-W	Packet Switched Digital Communication Sty	200,000	(b)(6)	IPT
2306	3E20		10/26/72	AMICOM	ODDR&E (Strategic Systems) Support	585,000	(b)(6)	STO
2307	3E20		10/10/72	AMICOM	CLUSTERBUSTER	255,000	(b)(6)	STO
2308	3E20			ONR	Large Aperture Marine Basic Data Array		(b)(6)	STO
2309	3D20		10/13/72	AFHRL/ AFSC	Computer Aided Instruction	500,000	(b)(6)	HRRO
2310	3D20		10/13/72	NTEC	Computer Aided Instruction	195,000	(b)(6)	HRRO
2311	3D20		10/13/72	NPTRL	Computer Aided Instruction	172,000	(b)(6)	HRRO
2312	3G10		10/13/72	NOSC	Static Voltage Stabilization System	172,000	(b)(6)	TTO
2313	3P10		11/6/72	AMICOM	ARPA Network Terminal System	249,000	(b)(6)	IPT
2314	3G10		10/24/72	AMICOM	Security Systems Projections	87,326	(b)(6)	TTO
2315	3G10		11/10/72	AFALAB	CO <sup>2</sup> Laser Heterodyne Sensors	150,000	(b)(6)	TTO

Order No.	P. t Coa. No.	Date of Order	Agent	Project Title	Commitment	Project Agr
2316	3E20	11/10/72	RADC	Millimeter Wave Space Object Imag Sys	618,524	STO/ (b)(6)
2317	3P10	12/1/72	RML	Transfer of ARPANET	120,000	(b)(6) /IPT
2318	3E20	10/13/72	AMICOM	STO Strategic Analysis Program	250,000	(b)(6) STO
2319	3E20	11/1/72	AMICOM	Project TEAL WING	383,000	STO
2320	3E20	11/8/72	AMICOM	Space Object Imaging and Satellite Target Sty	445,133	STO/ (b)(6)
2321	3E20	11/6/72	NSSC	Project TALL MOON	200,000	(b)(6) STO
2322	3M10	10/10/72	RADC	Wide Band Holographic Recorder	200,000	(b)(6) AS
2323	3D20	11/1/72	DSS-W	Int'l Security Analysis Project	177,000	(b)(6) /HRRO
2324	3M10	11/10/72	NRPEO	Parametric Study of Underwater Imaging Sys	150,000	AS/ (b)(6)
2325	3D10	10/19/72	DSS-W	Mats Research in High Energy Gas Phase Systems	161,000	(b)(6) /Mats
2326	3F10	10/20/72	NAVELEX	Adv. Acoustic Processing Studies	169,940	(b)(6) NMR
2327	3D10	11/6/72	NRL	Infrared Integrated Optics	510,000	(b)(6) MATS
2328	3N10	11/8/72	NSRDC	Admin Support Costs	10,000	PM/ (b)(6)
2329	3D10	11/1/72	AFRLP	Agent Admin Support	4,000	(b)(6) PM
2330						
2331	3N10	11/19/72	DIA	Agent Admin Support for DIA	3,500	(b)(6) PM
2332	3E20	11/8/72	AMICOM	MAYBELL II	60,000	(b)(6) STO
2333	3E20	11/8/72	ERL	MAYBELL II	910,000	(b)(6) STO
2334	3E20	11/15/72	AMICOM	SALT Implications Study	65,000	(b)(6) /STO

Order No.	P. t Cot. No.	Date of Order	Agent	Project Title	Commitment	Project	Ag
2335	3E20	11/20/72	NOAA	Geomagnetic Micropulsation	14,000	(b)(6)	STO
2336	3E20	11/20/72	AMICOM	Ultra Low Frequency Waves as Submarine Comm	59,835	(b)(6)	STO
2337	3E20	12/4/72	RADC	Early Warning Technology	177,000	(b)(6)	STO
2338	3D10	11/15/72	DSS-W	Novel Materials for Power Systems	86,000	(b)(6)	/Mats
2339	3F10	12/1/72	RADC	Energy Resources	181,000	(b)(6)	NMRO
2340	3D10	11/27/72	DSS-W	Adv. Concepts in Structural Materials & Testing	77,942	(b)(6)	/Mats
2341	3D10	12/20/72	DSSW	Mats Research Council	260,000	(b)(6)	Mats
2342	3F10	12/1/72	AFCRL	Counter Evasion Techniques for Underground Nuclear Tests	125,000	(b)(6)	NMRO
2343	3R10	11/8/72	ARPA-E	Operating Expenses	30,000	(b)(6)	PM
2344	3P10	11/15/72	ESD	ARPANET Host Computers	57,000	(b)(6)	/IPT
2345	3D20	11/21/72	DSS-W	Utilization of Behavioral Sciences in Long Range Forecasting & Planning	64,000	(b)(6)	/HRRO
2346	3D20	11/20/72	DSS-W	Strategic Forecasting & Planning	62,000	(b)(6)	HRRO/
2347	3D20	12/6/72	ONR	Adaptive Computer Aiding in Dynamics Decision Processes	45,000	(b)(6)	/HRRO
2348	3M10	12/4/72	NUC	Short SEA-TV Underwater Cable (UWT)	125,000	(b)(6)	AS
2349	3G10	11/27/72	NWL	Area/Point Fire Weapon	428,000	(b)(6)	PM
2350	3N10	11/21/72	ONR	Optimal Processing of Compact Arrays/Laminar Body Program	90,096	(b)(6)	/TTO
2351	3P10	11/16/72	RML	TIP & IMP Development (ARPANET)	1,600,000	(b)(6)	/IPT
2352	3G10	12/12/72	NVLAB	IR Polarization Signature Feasibility	174,058	(b)(6)	TTO
2353	3G10	11/24/72	DNA	Tactical Warfare Studies	470,125	(b)(6)	TTO/

<u>Order No.</u>	<u>Project Code No.</u>	<u>Date of Order</u>	<u>Agent</u>	<u>Project Title</u>	<u>Commitment</u>	<u>Program Aff.</u>
2354	3E20	11/22/72	USASA	Special Applications Tech., Phased Array Single Site Radiolocation Prog.	61,000	(b)(6) STO
2355		11/28/72	3E20 AMICOM	Anti-Submarine Warfare	250,000	(b)(6) STO
2356	3E20	12/1/72	FTD/AFSC	Plume Physics & Observables Prog.	50,000	(b)(6) STO
2357	3E20	12/4/72	AFAPL	High Power Electrical Laser Develop.	535,000	(b)(6) STO
2358	3E20	12/6/72	FTD/AFSC	Space Defense Program	100,000	(b)(6) STO
2359	3D30	12/8/72	DSS-W	Speech Signal Processing	274,000	(b)(6) IPT/
2360	3G10	12/19/72	RADC	Study of Benefits from Warranty Use	28,000	(b)(6) TTO
2361	3G10	3/12/73	NASC	Field Reliability of Low Cost Electronics	104,963	(b)(6) TTO/
2362	3F10	1/19/73	NOAA	Seismic Array	\$1,100	(b)(6) STO/
2363	3F10	1/19/73	NOAA		\$1,100	(b)(6)
2364	3D10	12/14/72	ONR	Development of Large Low Absorption CDA Crystals for HiPower Second Harmonic Generation	98,000	(b)(6) Mats
2365	3F10	12/14/72	NAVELEX	Multi-Station ABF	37,000	(b)(6) NMR
2366	3D10	12/14/72	NELC	Develop & Implementation of Ribbon Wire Bonding	100,000	(b)(6) Mats/
2367	3G10	12/19/72	NWL	Advanced Armor Concepts	150,000	(b)(6) TTO
2368	3G10	12/19/72	AFLG	Hi-Altitude Acquisition & Designation	300K	(b)(6) TTP
2369	3G10	12/14/72	ESD	RPV Command & Telemetry Links	100,000	(b)(6) TTC
2370	3G10	12/13/72	AFSC	Agent Admin Support Costs	2,000	(b)(6) PM
2371	3D10	12/18/72	DESC	Comparative Assessment of Selected Mats Tech. of US & USSR	51,000	(b)(6) TAO
2372	3E20	12/14/72	CIA (Confidential)	TEAL WING	61,000	(b)(6)

<u>Order No.</u>	<u>Project Code No.</u>	<u>Date of Order</u>	<u>Agent</u>	<u>Project Title</u>	<u>Commitment</u>	<u>Program Name</u>
2373	3D20	2/20/73	DSS-W	Close-Coupled Man-Machine Systems	50,000	HRRO/ (b)(6)
2374	3D20	1/11/73	OSR	Intellective Load Threshold in Sys. Operators	24K	(b)(6)/HRRO
2375	3N10	12/19/72	NUSC	Special Purpose Sensor Investigation	50,000	(b)(6) TTP
2376	3G10	12/18/72	ECOM	Cost Study of Mil-Spec Equipment	85,000	(b)(6)/TTO
2377	3E20	12/14/72	CIA	TEAL WING	61,000	STO (b)(6)
2378	3N10	12/18/72	NESC	Explosive Acoustic Source	75,000	(b)(6) TTO
2379	3D10	1/5/73	DSSW	Basic & Applied Research in Mats-IDL's	300,000	(b)(6) Mats
2380	3D10	1/5/73	DSS-W	Study of Semiconductor & Metal Surfaces, Interfaces & Films	425,000	(b)(6) Mats
2381	3D10	12/27/72	DSS-W	Development of Sodium Sulfur Cell	140,000	(b)(6) Mats
2382	3F10	12/21/72	AFOSR	North Texas Long Period Seismic Array	99,000	(b)(6)/NMRO'
2383	3D10	12/22/72	ONR	New Solid Electrolyte Materials	250,000	(b)(6) Mats
2384	3M10	1/3/73	AFAL	Hi Energy Laser Technology	80,000	(b)(6) STO
2385	3E20	12/22/72	RADC	Two Dimensional Adaptive Antenna Arrays	85,000	(b)(6) STO
2386	3E20	2/12/73	NUSC	STO Project Arienne.	152,000	(b)(6) STO
2387	3E20	1/19/73	AFML	STO Energy Laser Technology;	370,000	STO (b)(6)
2388	3E20	1/12/73	SAMSO	Low Light Level Interceptor Program	50,000	STO (b)(6)
2389	3E20	2/14/73	NUSC	Advanced Concepts Technology	33,000	STO (b)(6)
2390	3E20	1/31/73	AMICOM	STO Special Application's	100,000	(b)(6) STO
2391	3G10	12/21/72	ASD	Modular Avionics	60,000	(b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Program Area
2392	3F10	1/4/73	NELC	Advanced Signal Processor	94,441	(b)(6) NMRO
2393	1/30/73	1/30/73	ONR	Hi Purity Germanium Detector Arrays	48,540	(b)(6) /NMR
2394	3F10	1/2/73	NESC	SOSUS signals	99,000	NMR/(b)(6)
2395	3F10	1/12/73	AEC	Detector Materials Research Project.	74,000	(b)(6) NMRO
2396	3F10	1/12/73	NOAA	Long Period Hi-grain Seismological Stations	206,999	(b)(6) /NMR
2397	3D10	1/10/73	NBS	Semiconductor Component Reliability Improvement by Process Control	100,000	(b)(6) Mats
2398	3G10	1/12/73	WECOM	Low Reaction Hypervelocity Ballistics	300,000	(b)(6) TTO
2399	3G10	2/2/73	DSS-W	Technical Imp of Relaxing Trade Controls	120,000	(b)(6) TTO
2400	3G10	1/5/73	Frankford Arsenal	Advanced Countermeasures	100,000	(b)(6) TTO
2401	3G10	1/17/73	DSS-W	US Soviet Technology Transfer Policy Issues	125,000	TTO/(b)(6)
2402	3E20	1/19/73	AMICOM	Special Applications Technology	57,000	(b)(6) /STO
2403	3E20	2/12/73	FTD	Adv Strategic Analyses	138,000	(b)(6) /STO
2404	3E20	2/12/73	NSA	Adv Concepts Technology	68,590	(b)(6) /STO
2405	3E20	2/15/73	USASA	STO Special Applications Technology	50,000	(b)(6) /STO
2406	3D30	1/15/73	DSS-W	Secure Operating Sys. & Automatic Processing	94,000	(b)(6) /IPT
2407	4D20	6/29/73	U.S.AF Academy	Pilot Relaxation Training (NEW)	\$20K	HRRO (b)(6)
2408						
2409						
2410	3D20	2/15/73	DSS-W	Biocybernetics	100,000	HRRO/(b)(6)

<u>Order No.</u>	<u>Project Case No.</u>	<u>Date of Order</u>	<u>Agent</u>	<u>Project Title</u>	<u>Commitment</u>	<u>Program Mat</u>
2411	3M10	1/22/73	NVL	Pyroelectric Detector Research	25,000	(b)(6) / AS
2412	3F10	1/10/73	NESC	Signal Analysis & Classification for Surveillance Systems	80,000	(b)(6) / NMRO
2413		4/13/73	USA Tank Aut 35 vs Ton Tank-Cost Implication Study Command		10,000	TTO / (b)(6)
2414						
2415	3D18	1/25/73	AFCRL	Improved IR Laser Optics	470,000	(b)(6) / Mats
2416	3D10	2/1/73	DSS-W	Novel Tech for Coating Alkali Halide Optics to Prevent Water Damage	55,120	(b)(6) / Mats
2417	3D10	1/25/73	AEC	Antireflective Coatings of IR Laser Optics	75,000	(b)(6) / Mats
2418	3F10	2/12/73	NOAA	Baseline Interferometry Experiment	5,000	NMR / (b)(6)
2419	3F10	1/22/73	Naval Pet & Oil Shale Res.	Drilling technology	55,000	NMR / (b)(6)
2420	3F10-3P10	1/19/73	NESC	SONUS	122,000	NMR / (b)(6)
2421	3D10	1/30/73	AFML	Alternatives to Alkali Halide Window Mats for Hi Powered IR Laser	115,000	(b)(6) / Mats
2422	3G10	2/16/73	ONR	Electromagnetic Detection	49,975	TTO / (b)(6)
2423	3G10	1/19/73	AMICOM	Publication of the Journal of Def Res	50K	(b)(6) / TTO
2424	3G10	2/12/73	AMICOM	Ownership Costs of Selected Weapons Sys	40K	(b)(6) / TTO
2425	3N10	2/12/73	NSSC	Surface Ship Automation	99K 10K	(b)(6) / TTO
2426	3N10	1/31/73	ONR	Large Aperture Sonar Array	370,000	(b)(6) / TTO
2427	3K10	1/29/73	DSS-W	ARPA Data Management System	93,000	(b)(6) / IPT
2428	3E20	3/12/73	AMICOM	Strategic Technical Anslysis	100,000	STO / (b)(6)



<u>Order No.</u>	<u>Project Code No.</u>	<u>Date of Order</u>	<u>Agent</u>	<u>Project Title</u>	<u>Committment</u>	<u>Program Name</u>
2429	3E20	1/11/73	NSG	ARPA TEAL WING	255K	(b)(6) / STO
2430	3E20	3/12/73	SAMSO	STO Space Defense	65,000	STO / (b)(6)
2431						
2432						
2433	3E20	2/1/73	CIA	Egg Apple II	81,000	(b)(6) / Tao
2434	3D20	2/15/73	DSS-W	Biocybernetics-EEG Coupling	100,000	HRRO (b)(6)
2435	3M10	1/30/73	NELC	Light Cable	62,000	(b)(6) / Sto
2436	3E20	3/1/73	AEC	Lab Measurements and Analysis	260,000	STO / (b)(6)
2437	3E20	3/12/73	SAMSO	Photometric Analysis Techniques	75,000	STO (b)(6)
2438	3E20	3/14/73	AMRDC	STO High Energy Lasers	25,000	STO / (b)(6)
2439	3E20	1/25/73	NRL	Hi Energy Laser Tech, Propagation and Vulnerability	525,000	(b)(6) / Sto
2440	3D10	1/31/73	DSS-W	Mat's Sciences Res/IDL's	160,000	(b)(6) Mats
2441	3F10	1/25/73	AFOSR	Evaluation of Unmanned Seismic Observatory Concept	59,000	(b)(6) NMR
2442	3D10	2/16/73	DSS-W	IDL in support of 4 material problems	100,000	(b)(6) MATS
2443	3D10	2/12/73	ONR	Chalcogenide glasses	36,000	(b)(6) / Mats
2444	3D10	2/20/73	AFGRL	metal silicon Schottky Barriers	154,757	(b)(6) / MATS
2445	3D10	2/1/473	AEC	Diode working field induct trapping	42,000	(b)(6) MATS
2446	3E20	1/30/73	ESD, AFSC	Lincoln Lab	1500K	(b)(6) / STO
2447	3G10	2/12/73		75 mm Liquid Propellant Gun Phase I	150,000	(b)(6) / TTO

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr.
2448	3D20	1-31-73	AFOSR	Coding Sup & Comprehensive of Instructional Mats	\$99K	HRRO (b)(6)
2449	3D20	1-29-73	ONR	Quan Decision Analysis and Theory	\$145K	HRRO
2450	3D20	2-1-73	DSS-W	Quantitative Decision Analysis Methods	\$75K	HRRO
2451	3G10	2-12-73	DSS-W	Net Technical Assessment in DoD	\$97K	TAO (b)(6)
2452	3F10	2-23-73	DNA	Net Assessment of Strategic Force	\$100K	TAO
2453	3E20	3-8-73	FTD	Technical Analysis;Space Control Facilities	\$123K	STO/
2454	3E20	3-1-73	USASA	Strategic Technical Analysis	\$50K	STO/
2455	3D30	2-1-73	DSS-W	Micro-Automation	\$149,846	IPT/
2456	3M10	1-31-73	ASD	Def Suppression RPV System	\$105K	TTO
2457	3G10	2-14-73	AEC	Joint ARPA/ECOM RPV Program	\$150K	TTO
2458	3E20	3-9-73	RML	Space Defense	\$61K	STO/
2459	3G10	2-22-73	DSS-W	Energy Scenarios	\$30K	TTO
2460	3F10	2-15-73	CIA	Soviet Sensors	\$100K	TAO
2461	3F10	2-15-73	DNA	Arms-Control Studies	\$150K	TAO
2462	3M10	3-5-73	AMICOM	Advanced Balloon Technology	\$50K	TTO
2463	3M10	2-16-73	SAFSS	Free Radical Film	\$200K	STO/
2464	3F10	3-12-73	AMICOM	Evolving PACOM Problems and Needs	\$100K	TAO
2465	3D30	3-13-73	DSS-W	Symbolic Manipulation in Field Theory Verification	\$25K	IPT/

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr.
2466	3D30	3-8-73	AFOSR	Speech Understanding and Intelligent Sys	\$845K	IPT/ (b)(6)
2467	3F10	3-29-73	NCEL	Energy Systems on Naval Bases	\$141K	NMRO/ (b)(6)
2468	3F10	2-12-73	OSR	SPIDER	\$12K	NMRO/ (b)(6)
2469	3D10	2-26-73	DSS-W	(5 specific task proposals)	\$425K	MATS/ (b)(6)
2470	3D10	3-13-73	DSS-W	(3 year proposed program IDL)	\$265K	MATS/ (b)(6)
2471	3D10	3-1-73	NASA	Low Temp Physics Lab	\$24K	MATS/ (b)(6)
2472	3G10	2-20-73	ASD	Digitized Avionics Module	\$50K	TTO/ (b)(6)
2473	3D30	2-15-73	IPT	Acoustic in Natural Speech	\$70K	IPT/ (b)(6)
2474	3G10	2-23-73	NRL	Airborne Tethered Platform	\$50K	TTO/ (b)(6)
2475	3G10	2-12-73	NWL	Special Effect Radiation Coupling	\$75K	TTO/ (b)(6)
2476	3G10	4-28-73	AFAL	Design study for an Adv. Multi-purpose Infrared Sys.	\$50K	TTO/ (b)(6)
2477	3D30	3-8-73	IPT	Sensory Information Processing & Symbolic Computation	\$553K	IPT/ (b)(6)
2478	3G10	4-27-73	NVLAB	Therma, Imaging Fire Control Systems	\$55K	TTO/ (b)(6)
2479	3G10	3-12-73	NVLAB	Infra-red Terminal Guidance Sys Simulation and Signatures	\$60K	TTO/ (b)(6)
2480	3G10	3-1-73	WEPCOM	Dual Mode Terminally Guided	\$100K	TTO/ (b)(6)
2481	3D10	2-28-73	DSS-W	Mechanics and Optics of Materials	\$300K	MATS/ (b)(6)
2482	3D10	2-26-73	OSR	Lamellar Composites Formed by Sputter Deposition	\$68K	MATS/ (b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr.
2483	3D10	2-20-73	DSS-W	Catalysis for Energy Production	\$111K	MATS/ (b)(6)
2484	3D10	2-23-73	DSS-W	New fuels needed by DoD for adv. sys.	\$82K	NMRO/ (b)(6)
2485	3D10	3-1-73	DSS-W	Stress Corrosion Cracking	\$22K	MATS/ (b)(6)
2486	3E20	3-12-73	AMICOM	Space Defense	\$250K	STO/ (b)(6)
2487	3D10	2-28-73	AFML	Diamond & Borazon Compact Cutting Tool Technology	\$100K	MATS/ (b)(6)
2488	3D10	3-1-73	DSS-W	IDL research for 12 month program	\$550K	MATS/ (b)(6)
2489	3D10	2-26-73	CRL	Gallium Arsenide	\$139K	MATS/ (b)(6)
2490	3D10	2-20-73	AFCRL	Test equipment for AFCRL in-house	\$7K	MATS/ (b)(6)
2491	3F10	3-7-73	CRREL	ARPA Climate Dynamics Program	\$30K	IPT/ (b)(6)
2492	3F10	3-20-73	AEC	close-in discriminant problem	\$57K	NMRO/ (b)(6)
2493	3E20	2-27-73	RADC	STO Special Applications Technology	\$250K	STO/ (b)(6)
2494	3D30	3-13-73	DSS-W	Artificial Intelligence, Heuristic Program	\$715K	IPT/ (b)(6)
2495	3P10	3-13-73	USN-FNWC	Forecast Model Development	\$100,145	IPT/ (b)(6)
2496	3P10	3-12-73	DSS-W	Computer Network Research	\$208K	IPT/ (b)(6)
2497	3G10	3-12-73	RADC	RPV Adaptive Array Antenna Design	\$90K	TTO/ (b)(6)
2498	3P10	3-13-73	DSS-W	Network B6700: Service	\$45K	IPT/ (b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr.
2499						
2500						
2501						
2502	3G10	3-20-73	AEC	Explosives Development Technology	\$200K	TTO, (b)(6)
2503	3F10	3-21-73	AFSC-FTD	Administrative Support Costs	\$1K	(b)(6) PM
2504	3K10	3-26-73	DSS-W	JASON Studies	\$150K	(b)(6) / PM
2505	3F10	3-30-73	DNA	ILLIAC IV	\$20K	NMRO, (b)(6)
2506	3F10	3-28-73	AFOSR	Noise Distortion of Broad Band	\$56K	NMRO, (b)(6)
2507	3F10	4-19-73	NESC	Mgt. for ARPA Acoustic Research Center	\$20K	NMRO, (b)(6)
2508	4F10	7-1-73	AFTAC	Measurement of Tritium in Air & Water	\$65K	NMRO/???, (b)(6)
2509	4F10	6-29-73	DNA	Importance of evasion under a comprehensive Nuclear Test Ban Treaty	\$125K	NMRO, (b)(6)
2510	3G10	3-29-73	USNPS	ROC Counterpart Systems Analysis Training	\$7K	TTO, (b)(6)
2511	3M10	3-12-73		Narrow Band Time of Arrival Measurement	\$90K	TTO, (b)(6)
2512	3G10	4-11-73		Review of 5-year Coordinated Plan for Arctic Research	\$1.5K	TTO, (b)(6)
2513	3G10	4-13-75	TACOM	35 vs. 58 Ton Tank-Cost Implication Study	\$10K	TTO, (b)(6)
2514	4D20	4-27-73	DSS-W	Learning of Autonomic Behavior	\$69K	HRRO, (b)(6)
2515	3K10	4-10-73	DSS-W	Preparation of Historical Analysis of ARPA Management of R&D Projects	\$35K	IPT, (b)(6)
2516	3P10	4-19-73	ONR	International Use of ARPANET	No Cost	IPT, (b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Program Mgr.
2517	4W10	2-26-74	DSS-W	A TUTOR Minicomputer System	\$26,734	HRRO (b)(6)
2518	4W10	6-18-73	ONR	Threat Processes Recognition & Analysis	\$75K	HRRO/ (b)(6)
2519	4W10	6-18-72	ONR	National Attributes to Security Planning Implications	\$50K	(b)(6)
2520	3G10		DSS-W	National Sec. Policy Research Support-Phase I.	180,000	TTO (b)(6)
2521	4F10			Soviet Science Policy Making Infra-Structure	\$95,000	NMR
2522	3F10		DNA	Long Range R&D Program	50,000	TAO (b)(6)
2523	3G10			Chief of Eng. Develop Surveillance Concept Chart/Map Task Army	5,000	TTO (b)(6)
2524	3F10		DNA	Long Range R&D Program	25,000	TAO (b)(6)
2525	4D10		MMRC	Army Materials and Mechanics Research Center	5,000	Admin costs
2526	3F10		DNA	Long Range R&D Program	50,000	TAO (b)(6)
2527	3F10		DNA	Long Range R&D Program (TARP)	50,000	TAO (b)(6)
2528	4G10		ASD	Observable Measurements (Mini-RPV's)	\$150K	TTO (b)(6)
2529						
2530						
2531	3K10	5-10-73	DSS-W	Defense Science Board Summer Study	75,000	(b)(6)
2532	4D10	5-18-73	ONR	Investigation of Mechanisms Resulting in Generation of Wear Particles	\$70K	MATS (b)(6)
2533	4G10	8/7/73	Naval ship R&D Center	Impulse Target Response.	\$100K	TTO/ (b)(6)
2534	4D10		ONR	2-year program of wear by friction	35,000	MATS (b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Program Manager
2535						
2536	4D10		ONR	a protype refrigerator based upon electrocaloric	\$67,000	MATS / (b)(6)
2537	4P10		OSR	Mesoscale Phenomena:	161,500	IPT / (b)(6)
2538	3E20			Dynamic Tomographic Technology	10,000	(b)(6) STO
2539	4E30	6-18-73	ESD	MITRE Support	\$507.5K	STO / (b)(6)
2540	4E20	6-21-73	AMICOM	STO Advanced Surveillance Technology	\$24K	STO / (b)(6)
2541	4T10	7/18/73	RADC	Distributed Office Workshop	300,000	IPT / (b)(6)
2542	4E20	9-19-73	NESC	TEAL PHALAROPE Software program	\$22K	STO / (b)(6)
2543	4P10	7/11/73	DSS-W	Computer Network Research & Services	200,000	IPT / (b)(6)
2544	4E20	7/18/73	AFSC	SPACETRACK Augmentation Sensor Evaluation program	367,000	STO / (b)(6)
2545	4P10	7/19/73	AEC	Network CDC 6600/7600 programming & Computer Time	60,000	IPT / (b)(6)
2546	4R10	7-2-73		ARPA Regional Office - Pacific Operating Expenses	\$36.9K	(b)(6)
2547						
2548	4G10	7/19/73	NSSC	Limited Mobility Submarine	\$122K	TTO / (b)(6)
2549	4G10	8/2/73	ONR	Command & Control Information Flow	\$28K	TTO / (b)(6)
2550	4G10	8/9/73	ONR	Infrared & Laser Technology Tri-Service Research.	\$20K	TTO / (b)(6)
2551	4F10	7/19/73	AFTAC	VELA Seismological Center	\$1,150K	NMRO / (b)(6)
2552	4D10	7/30/73	AFOSR	Use of rare earth-nickel hydrides for storage of hydrogen.	\$99K	MATS / (b)(6)
2553	4F10	7/30/73	MERDC	Storage of hydrogen in solid hydrides in Brookhaven.	\$40K	TAO / (b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Migr.
2554	4G10	8-2-73	AMICOM	Armor Arrays, Shaped charge Hydrodynamics, Liquid Propellant, Control of Smart & Standoff Weapons, & Smart Mines	\$330K	TTO/(b)(6)
2555	4D10	8-17-73	MMRC	Noise Abatement & Internal Vibration Absorption in Potential Structural Materials	\$15K	MATS/(b)(6)
2556	4P10	7-25-73	AFOSR	International Coordination of Climate Dynamics Program	\$25K	IPT/(b)(6)
2557	4T10	7-20-73		Administrative Support Expenses	\$2,500	(b)(6) PM
2558	4F10	8-9-73	DSS-W	Program Assessment & Concept Evaluation	\$504K	TAO/(b)(6)
2559	4G10	7-30-73	NSSC	Laminar Flow Body Research & Hydrodynamics Test Program (Phase I)	\$990K	TTO/
2560	4G10	8-20-73	AFAL	Development of Multiple Pulse Laser Target Desig.	\$150K	TTO/
2561	4G10	8-2-73	NOSC	Electrostatic Stabilization for Terrain Avoidance (New)	\$50K	TTO/
2562	4G10	7-23-73		Hostile Weapon Location	\$156K	TTO/
2563	4E20	8-14-73	SAMSO	SAL-II Studies (Support to Director, SALT Support Group, DDR&E)	\$199K	TAO/
2564						
2565	4G10	9-6-73	AFATL	Longer Range Mini-RPV/Designator System (New)	\$900K	TTO/
2566	4D30	8-31-73	DSS-W	Image Modelling & Analysis	\$325K	IPT/
2567		8-20-73	DSS-W	Command & Control Automation Research (KEYDATA)	\$394K	IPT/
2568	4D30	8-2-73	ESD	Automatic Programming & Network Techniques	\$300K	IPT/
2569	4D10	8-10-73	NBS	low temp. properties of Structural Materials	\$657K	MATS/(b)(6)
2570	4D10	8-23-73	DSS-W	Superconductivity in Organic Compounds	\$150K	MATS/
2571	4F10	8-23-73	DSS-W	ARPA Research Center	\$80K	NMRO/
2572	4F10	9-4-73	ONR	High-purity germanium detector package	\$390K	NMRO/



Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr.
2573	4D10	9-6-73	ECOM	Study for Pyroelectricity for basic understanding of this effect in Perovakites	\$73K	MATS/ (b)(6)
2574	4D10	9-12-73	OSR	Application of very hard coatings for machine tools	\$160K	MATS/
2575	4F10	9-12-73	NESC	Permanent Facility support to ARPA Acoustic Research Center	\$135K	NMRO/
2576	4G10	8-9-73	NSSC	Agent Administrative Costs	\$17.5K	(b)(6)
2577	4G10	9-27-73	ECOM	Calere II Sight Design, Integration & Test	\$175K	TTO/ (b)(6)
2578	4W10	8-31-73	AFHRL	Agent Administrative support	\$8K	HRRO/ (b)(6)
2579	4G10	8-17-73	ARPA-PUK	Contract & Technical Support for ICIS	\$46K	TTO/ (b)(6)
2580	4G10	8-23-73	AMICOM	Analysis of Tactical Intelligence Experience in SE Asia	\$150K	TTO/
2581	4D30	8-31-73	DSS-W	Discrete Info. Systems Theory	\$150K	IPT/
2582	4E90	8-20-73	NESC	LAMBDA	\$103.7K	STO/
2583	4F10	8-23-73	AMICOM	Heavy Bomber Definition	\$50K	TTO/
2584	4E20	9-10-73	AMICOM	Arms Control Concepts & Their Implications	\$100K	TAO/
2585		9-28-73	DSS-W	Soviet Econometric Model (New)	\$160K	TAO/
2586	4G10	9-19-73	ECOM	Laser Designator CM System (New)	\$100K	TTO/
2587	4G10	10-9-73	ESD	Warsaw Pact Air Defense	\$100K	TTO/
2588	4M10	10-9-73	ESD	Submarine anti-helicopter Defense	\$30K	TTO/
2589	4G10	10-1-73	AFAL	Hologram Elements for Missile Seekers	\$75K	TTO/
2590	4G10	10-12-73	EX-IMTech.	U.S. European Cooperative Research on Development and Procurement	\$19K	TAO/
2591	4P10	9-4-73	OSR	Open/Atmospheric Boundary		

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr.
2592	4P10	9-4-73	OSR	Two-Dimensional Global Climatic Model	\$30,666	IPT/ (b)(6)
2593	4E20	9-4-73	RML	STO Imaging & Remote Systems Technology	\$700K	STO/ (b)(6)
2594	4K10	9-10-73	DSS-W	Research & Preparation of an Analysis of the Management of Research & Develop. Projects by ARPA	\$162.3K	IPT/ (b)(6)
2595	4E20	9-10-73	AMICOM	STO Laser Systems Application Studies	\$171K	STO/ (b)(6)
2596	4E20	9-25-73	AMICOM	STO Surveillance Technology	\$200K	STO/ (b)(6)
2597	4E20	10-16-73	AMICOM	MAYBELL II (TRUE COURSE)	\$490K	STO/ (b)(6)
2598	4E20	9-18-73	AMICOM	Supports DDR&E tasking by TEAL BEAK	\$20K	STO/ (b)(6)
2599	4E20	9-25-73	AMICOM	STO Surveillance Technology	\$49.3K	STO/ (b)(6)
2600	4E20	10-10-73	AMICOM	STO Surveillance Technology, Micropulsations	\$17.5K	STO/ (b)(6)
2601	4E20	9-6-73	SAMSO	TEAL BEAK/Position Location Programs	\$70K	STO/ (b)(6)
2602	4E20	9-20-73	NRL	Secretariat Support to HELRG	\$15K	STO/ (b)(6)
2603	4E20	9-25-73	RADC	STO Special Applications Technology	\$216K	STO/ (b)(6)
2604	4E20	9-20-73	NUSC	STO Advanced Strategic Detection Tech.	\$245K	STO/ (b)(6)
2605	4E20	9-19-73	ADC	STO Space Defense, Imaging & Remote Sensing Technology; shadow image II program.	\$600K	STO/ (b)(6)
2606	4D30	9-17-73	ARO-D	Speech Understand-Prosodic analysis of speech.	\$60K	IPT/ (b)(6)
2607	4E20	9-18-73	NOL	STO high energy laser tech; high power chemical Laser Development	\$600K	STO/ (b)(6)
2608	4E20	10-9-73	NSA	STO Special Applications tech. TEAL CREST prog.	\$58K	STO/ (b)(6)
2609	4P10	10-4-73	OSR	Orographic-surface effects on global climate	\$50K	IPT/ (b)(6)
2610	4M10	10-9-73	NUSC	DEEP LOOK	\$607K	STO/ (b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr.
2611	4D10	10-11-73	ONR	Ambient Temperature Lithium, soluble depolarizer rechargeable battery	\$70K	MATS/ (b)(6)
2612	4D10	10-4-73	AFML	Grow Halide Laser Windows	\$62K	MATS/
2613	4F10	12-12-73	DSS-W	Archival Mass Storage facility for Seismic Data	\$678K	NMRO/
2614	4D10	10-16-73	AMICOM	Chemical Laser at MICOM for Evaluation of Laser Window Materials	\$25K	MATS/
2615	4F10	10-11-73	NSRDC	Hydrogen energy systems for Navy applications	\$325K	TAO/ (b)(6)
2616	4D10	11-16-73	ONR	SCC Primer	\$98,129	MATS/ (b)(6)
2617	4F10	11-16-73	USGS	High-Gain, Long-period Seismograph Stations	\$129,800	NMRO/
2618	4D10	11-15-73	AFCRL	Tech. & Physics of Infrared Rectifier and Frequency Mixer Point Contact Diodes	\$275K	MATS/
2619	4F10	11-16-73	NOAA	to microfilm and distribute data obtained from the HGLP seismic stations	\$12K	NMRO/
2620	4D10	11-30-73	NBS	Optical Materials Characterization	\$511K	MATS/
2621	4G10	10-11-73	AFSC	Target Activated Sensors (New)	\$73K	TTO/ (b)(6)
2622	4E20	10-11-73	AMICOM	Potential Politico-Military Consequences of U. S. Low Level Military Action.	\$19K	TAO/
2623	4M10	10-24-73	AFSC/ RADC	Pocket Veto Program Transfer to AF	\$108K	TTO/
2624	4G10	10-12-73	RADC	Development of a Pseudonoise Frequency-Hopped Chirp Modulation System	\$50K	TTO/
2625	4G10	11-16-73	AMICOM	ECM/ECCM for Radar Location Systems	\$73K	TTO/
2626	4G10	1-21-74	DSS-W	Security Dimension of World-Wide Economic and Political Trends	\$150K	TAO/
2627						
2628						
2629	4G10	10-29-73	NSSC -175-	Closed Cycle Engine System(Brayton Engine)	\$330K	TTO/ (b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr.
2630	4F10	11/26/73	OCE	New Energy Source Development, Utilization & Practical Application	\$321.5K	TAO/ (b)(6)
2631	4E20	10/11/73	NOL	STO High energy Laser Tech.	\$450K	STO/
2632	4E20	10/11/73	NOL	STO High energy Laser Tech; Field Laser Experiments	\$395K	STO/
2633	4P10	10/15/73	IBM	Vector Spherical Harmonics	\$83K	IPT/
2634	4E20	10/12/73	SAMSO/ AFSC	Space Defense Analysis	\$100K	STO/
2635						
2636	4E20	12/28/73		Evaluation of Resource mgmt. & Adv. Tech. for Indications & Warning	\$72,300	STO/
2637	4E90	10/12/73	NOAA	STO Advanced Concepts Tech; Advanced Strategic Detection Technology	\$100K	STO/ (b)(6)
2638	4R10	10/16/73	PUA	ARPA Pacific Unit Australia Initial FY 74 operating expenses.	\$10K	(b)(6)
2639						
2640	4E20	10/23/73		Air Vehicles Observables Program, Phase I	\$200K	STO/ (b)(6)
2641	4P10	12/19/73	ESD	MULTICS Security	\$200K	IPT/
2642	4E20	11/16/73		STO Special Applications Technology FOG CUTTER	\$70K	STO/
2643	4E20	11/30/73	SAMSO	TEAL AMBER I	\$350K	STO/
2644	4E20	11/27/73	SAMSO	TEAL AMBER II	\$420K	STO/
2645	4E20	11/19/73	SRI	TEAL BEAK	\$420K	STO/
2646	4E20	11/16/73	RADC	STO Space Defense Imaging & Remote System Technology	\$490K	STO/
2647	4F10	11/2/73	DAEN-	ECB for Administrative Support Expenses	\$2,250	(b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr.
2648	4G10	11-16-73	NOSC	IFF For Infrared Weapons	\$75K	TTO/ (b)(6)
2649	4G10	11-19-73	NVL	Forward-Looking Infrared Imaging Sensor	\$226K	TTO/
2650	4G10	11-16-73	AMICOM	ICBM Concepts Analysis	\$100K	TTO/
2651	4W10	2-26-74	DSS-W	Coordination & Facilitation of Instructional Research with Computer-based Systems	\$125K	HRRO/ (b)(6)
2652	4E20	11-19-73	AMICOM	STO Advanced Strategic Concepts and Strategic Technical Analysis	\$110K	STO/ (b)(6)
2653	4E20	11-30-73	NAVSHIP-SYSCOM	ARPA Nonlinear Acoustic Tech. Program	\$35,000	STO/
2654	4E20	11-30-73	ONR	ARPA Nonlinear Acoustic Tech. Program	\$35,000	STO/
2655	4E20	11-30-73	ONR	ARPA Nonlinear Acoustic Tech. Program	\$30,000	STO/
2656	4E20	11-16-73	AMICOM	Reorientation of Plime Physics & Observables Program	\$754K	STO/
2657	4E20	12-10-73	NUSC	Polarizable Piezoelectric Polymers as hydrophone elements for towed array surveillance systems.	\$30K	STO/
2658	4E20	12-14-73	NESC	Surface Wave Remite Sensor Readout Tech.	\$125K	STO/
2659	4E20	11-16-73	RADC	STO Special Applications Technology	\$149K	STO/
2660	4E20	11-16-73	AMICOM	Anomalous Signal Propagation Phenomena	\$6K	STO/
2661	4E20	11-16-73	NESC	CEDIS	\$79K	STO/
2662	4E20	12-11-73	(CIA) DDS&T	Strategic Technical Concepts	\$49.7K	STO/
2663	4E20	11-30-73	AMICOM	Dynamical & Thermal Balances at the Air-Sea Interface	\$50K	STO/
2664	4E20	11-19-73	NESC	STO Special Applications Technology	\$75K	STO/
2665	4P10	11-21-73	NASA/ AMES	ILLIAC IV Fortran Compiler	\$250K	IPT/

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Man.
2666	4D10	11-14-73	AFML	Agent Administrative Support Costs	\$5K	(b)(6)
2667	4W10	12-20-73	DSS-W	Identification & Measurement of U.S. Interests Abroad	\$61K	HRRO/ (b)(6)
2668	4E20	12-21-73	NUSC	STO Adv. Concepts Technology; Laboratory & Theory	\$45K	STO/ (b)(6)
2669	4D10	11-27-73	AFCRL	Ratheon to develop halide & floride alloys as laser windows through casting techniques.	\$55K	MATS (b)(6)
2670						
2671	4M10	11-27-73	NOSC	Radar wire detector & display techniques for helicopters	\$98K	TTO (b)(6)
2672	4G10	12-6-73	RADC	Breadboard spread spectrum Radar Processor	\$200K	TTO
2673	4G10	12-26-73	NVL	Indium Antimonide Infrared Mosaic detector	\$60K	TTO
2674	4M10	12-7-73	NWL	Ship Deployable Tactical RPV's	\$160K	TTO
2675	4F10	12-6-73	NSF	Conference on Hydrogen energy systems at U. of Miami	\$19K	TAO
2676	4D10	12-4-73	AFCRL	Controlled Inversion Devices for High Reliability Semiconductor Memories.	\$35K	MATS/ (b)(6)
2677						
2678	4D10	12-14-73	NVL	FLIR Arrays	\$75K	MATS/ (b)(6)
2679	4G10	12-11-73	ONR	Army Aerial Surveillance Capability using a European senario.	\$90K	TTO/ (b)(6)
2680		12-14-73	ESD	Recce-strike Navigational grid interoperability	\$63K	TTO/ (b)(6)
2681	4F10	12-11-73	NIC	Detection of Nuclear Weapons or materials by Atmospheric Excitation	\$55K	NMRO/ (b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr.
2682	4N10	12-4-73	DSS-W	DoD Manpower Data Analyses	\$74,649	HRRO/(b)(6)
2683	4E20	12-19-73	ONR	Institutional Research	\$60K	STO/(b)(6)
2684	4E20	12-19-73	ONR	Institutional Research	\$90K	STO/(b)(6)
2685	4E20	12-19-73	ONR	Institutional Research	\$125K	STO/(b)(6)
2686	4E20	12-19-73	ONR	Institutional Research	\$90K	STO/(b)(6)
2687	4P10	12-14-73	DSS-W	Large-Scale Data Utility System	\$355K	IPT/(b)(6)
2688	4E20	12-6-73	NSA	Special Applications Technology	\$100K	STO/(b)(6)
2689	4D20	1-28-74	RA DC	Reliability of Electro-photographic Info.	\$34K	HRRO/(b)(6)
2690	4G10	1-14-74	DSS-W	Study Palestinian Guerillas	\$100K	TTO/(b)(6)
2691	4D10	12-19-73	ONR	Raman Spectrometry at the Electrode-Electrolyte Interface	\$20K	MATS/(b)(6)
2692	4F10	1-16-74	DNA	decoupling of nuclear bursts with explosively formed cavities	\$68K	NMRO/(b)(6)
2693	4F10	2-1-74	USGS	Hardware for USGS Albuquerque Seismological Center	\$48K	NMRO/(b)(6)
2694	4D10	1-16-74		Soft x-ray lasers	\$323K	MATS/(b)(6)
2695	4F10	1-23-74	NSEF	TEMPEST	\$28K	NMRO/(b)(6)
2696	4D10	1-16-74	AFOSR	Photogalvanic cell and a low temperature solid electrolyte	\$90K	MATS/(b)(6)
2697	4D10	1-14-74		Improvement of high temperature properties	\$20K	MATS/(b)(6)
2698	4D10	1-17-74		Sintered ceramics for possible applications as semi-conductors, thermal sensors, resistive heaters....	\$30K	MATS/(b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr.
2699	4D10	2-1-74		to attach ceramic blades to a wrought alloy turbine rotor.	\$50K	MATS/ (b)(6)
2700	4D10	2-15-74	DSS-W	Invest & study of computational techniques for design & fabrication of Large Scale Integrated Circuits.	\$120,731	MATS/ (b)(6)
2701	4G10	1-17-74	AMICOM	FLIR design suitable for hand-held and optimum modular flir design	\$56K	TTO/ (b)(6)
2702	4F10			Agent Administrative Cost	\$23K	PM (b)(6)
2703	4G10	12-28-73	ARMCOM	Hot Spot Seeker for Precision Guided Munitions	\$200K	TTO/
2704	4G10	1-16-74	AEC-ISA	ARPA's share study on Tactical Nuclear Weapons	\$80K	TTO/ (b)(6)
2705	4G10	1-4-74	NELC	Develop. of Compensation Array Subsystem	\$80K	TTO/ (b)(6)
2706	4M10	12-28-73	AFAL	Target Identification Enhancement Techniques	\$67K	TTO/ (b)(6)
2707	4M10	1-2-74	ASD(RWRA)	Noise & Vibration Characteristics Test of Wankel Engine	\$50K	TTO/ (b)(6)
2708	4G10	1-4-74	ARMCOM	Laser Radar Demonstration Program Phase I	\$225K	TTO/ (b)(6)
2709	4G10	12-26-73	ASD	Electric Propulsion for Mini-RPV's	\$100K	TTO/ (b)(6)
2710	4G10	12-26-73	NOSC	Experimental Investigation of Envelope Cycle Discrepancy function as an aid to improvement of absolute accuracy of Loran Systems	\$100K	TTO/ (b)(6)
2711	4P10	1-16-74	AFOSR	Zonally Averaged Climatic Model	\$32K	IPT (b)(6)
2712	4W10	2-26-74	DSS-W	Operability Factors in Interactive Network	\$212,000	HRRO (b)(6)
2713	4G10	12-26-73	ASD	Develop. & Evaluation of a Low Radar Observables Mini-RPV	\$50K	TTO/ (b)(6)
2714	4G10	12-26-73	AFATL	Self-Initiated anti-aircraft missile (SIAM)	\$14.4M	\$TTO/ (b)(6)
2715	4G10	1-23-74	ESD	Australian Army Field Test & Evaluation of ARPA/SINDIS	\$70K	TTO/ (b)(6)



Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr.
2716	4G10	1-14-74	NVL	Australian Army Field Test & Evaluation of the ARPA MIRS	\$9K	TTO (b)(6)
2717	4G10	12-26-73	AMICOM	Analysis of Target Develop Process & Systems	\$141K	TTO
2718	4G10	12-26-73	AMICOM	Beam Rider Guidance Technique Investigation	\$136K	TTO
2719	4G10	1-2-74	DNA	Technology Implications	\$100K	TAO
2720	4G10	1-11-74	ARMCOM	Agent Administrative Support	\$8K	TTO
2721	4F10	1-4-74	ONR	Photochemical Conversion of Solar Energy	\$55K	TAO
2722	4G10	1-4-74	ASD(RWRA)	Random Access CID Color Camera for Mini-RPV's	\$200K	TTO
2723	4G10	1-11-74	ONR	Surveillance and Marine Review (New)	\$25K	TTO
2724						
2725	4G10	1-24-74	NIC	Acousto-Optical Imaging	\$70K	TTO
2726	4G10	1-16-74	NRL	Evaluation of New Laser Guided Shell Concept	\$30K	TTO
2727	4G10	1-11-74	AMICOM	Battlefield Illumination Modeling Study	\$85K	TTO
2728	4M10	2-22-74	USAREUR	AVID GUARDIAN	\$25K	TTO
2729	4E20	1-17-74	NESC	STO Special Applications Technology	\$185K	STO
2730	4E20	1-23-74	SAMSO	Jet Plume Measurements from a U-2 Aircraft	\$50K	STO
2731	4E20	2-7-74	AMICOM	Low Altitude Engagement Experiment Design	\$50K	STO
2732	4E20	1-14-74	NUSC	STO Adv. Strat. Detection Technology	\$86K	STO
2733						

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mer.
2734	4G10	1-11-74	AFAL	Tange Contour Technique Evaluation	\$30K	TTO
2735	4G10	1-24-74	AMICOM	Adv. Firepower Tech. Develop for Military Operations in Build-up Areas.	\$190K	TTO
2736	4G10	1-23-74	AMICOM	LPI Communication Interception	\$100K	TTO
2737	4G10	1-11-74	ASD	Interdiction Mini-RPV Cost Effect Analysis	\$50K	TTO
2738	5G10	5-29-74	USAEPG	Sensor Commun. System Path Loss Measurement & Analysis	\$25K	TTO
2739	4M10	1-17-74		Feasibility Demonstration Design Definition of Mini-RPV Emitter Location	\$60K	TTO
2740	4F10	1-16-74	RADC	Assessment of Institutional and Tech. Factors Affecting Synthetic Petroleum	\$50K	TAO
2741	4E20	1-23-74	NESC	Surveillance Communications Technology	\$225K	STO
2742	4D20	2-12-74	DSS-W	Software for Decision Analysis	\$51K	HRRO
2743	4W10	2-6-74	DSS-W	Crisis Management	\$19K	HRRO
2744	4M10	1-16-74	RADC	Time Difference of Arrival Correlation Tech. for Uncooperative Emitter Location	\$25K	TTO
2745	4G10	1-15-74	ASD	Special RPV Solar Powered Experiments	\$192K	TTO
2746	4G10	1-28-74	NUSC	Alternate Communications Systems	\$219K	TTO
2747	4F10	1-28-74	AFOSR	Geothermal Energy Research Program	\$66K	TAO
2748						
2749	4G10	1-16-74	ONR	Development of New Procedure for Evaluating Water, Air and Interface Vehicles	\$30K	TTO
2750	4G10	2-6-74	RADC	Adaptive Real Time Fi/Fi Relay	\$33K	TTO

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Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr.
2751	4G10	1-17-74	ONR	Laser/Acoustic Systems Assessment	\$32K	TTO (b)(6)
2752	4M10	1-24-74	ESD	Howls - Systems Integration-Airborne MTI & Mini-RPV Radar	\$600K	TTO
2753	4M10	1-24-74	AMICOM	HOWLS Acoustic Weapons Location	\$40K	TTO
2754	4G10	1-24-74	AMICOM	HOWLS-Seismic Artillery Location	\$55K	TTO
2755	4F10 - 4P10		NSA	Encryption Devices:Joint NMR & DIS	\$118K	IPT/ (and NMR) (b)(6)
2756	4M10	1-21-74	JPL/CIT	DEEP LOOK/Underwater Imaging	\$70K	STO/ (b)(6)
2757	4M10	1-24-74	ARMCOM	"HOWLS"	\$50K	TTO
2758	4F10	2-25-74	AMICOM	Analytical tasks in support of ARPA energy prog.	\$48K	TAO
2759	4G10	2-25-74	AMICOM	Tactical Technal Analysis	\$150K	TTO
2760	4G10	2-7-74	AMICOM	Evaluation of Small Arms Effectiveness Criteria	\$150K	TTO
2761	4E20	1-28-74	AFWL	High Power Chemical Laser Devices	\$250K	STO/
2762	4E20	2-11-74	ONR	Special Communications Technology	\$55K	STO/
2763	4W10	1-28-74	RADG	Graphic Interactive System for Decision Theoretic Analysis	\$60K	HRRO/ (b)(6)
2764	4P10	2-11-74	OSR	Stochastic Modelling for Climate Prediction	\$22K	IPT/ (b)(6)
2765	4D20	2-28-74	OSR	Experiments in Texture Perception	\$88K	HRRO/ (b)(6)
2766	4E20	2-14-74	SAF	Airborne/Mobile Data Access & Exploitation	\$281K	STO/ (b)(6)
2767	4G10	3-13-74	AFAL	Warning of attack by surface-to-air or air-to air missiles utilizing dual mode (IR -Radar) sensor techniques.	\$37K	TTO

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Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mer.
2768	4G10	2-22-74	NASC	Weapon Microguidance	\$40K	TTO/ (b)(6)
2769	4G10	2-7-74	AMICOM	Design, Fabrication & Test of Wide-Band Optical Communications Link	\$90K	TTO/ (b)(6)
2770	4G10	2-7-74	RADC	Mini-RPV System Ground Antenna Study	\$50K	TTO/ (b)(6)
2771	4G10	2-7-74	ADTC	Spread Spectrum Communications Modems	\$50K	TTO/ (b)(6)
2772	4F10	2-7-74	NWC	Synthesis of Methanol from Organic Waste	\$100K	TAO/ (b)(6)
2773	4G10	2-22-74	DSS-W	Analysis of strategic planning options & defense missions related to energy	\$50K	TAO/ (b)(6)
2774	4P10	2-1-74	AFOSR	Numerical Methods in Climatology	\$75K	IPT/ (b)(6)
2775						
2776	4E20	2-7-74	NSA	Surface Wave Propagation Technology	\$80K	STO/ (b)(6)
2777	4E20	2-14-74	RADC	STO Warning Technology/Advanced Appl.	\$25K	STO/ (b)(6)
2778	4D10	2-15-74	ONR	Scanning of Optical Images	\$84,777	MATS/ (b)(6)
2779	4D10	2-15-74	ARO-D	Schemes for the Production	\$48K	MATS/ (b)(6)
2780	4D10	2-14-74	AFOSR	Characterization of Surfaces on an Atomic Scale by Field Ionization Energy Spectra	\$21K	MATS/ (b)(6)
2781	4D10	2-22-74	ARO-D	Chemical Diffusion on Solid Surfaces	\$25,600	MATS/ (b)(6)
2782	4D10	2-22-74	ONR	Research Studies on Techniques for generation of Coherent vacuum ultraviolet and soft X-ray radiation	\$140K	MATS/ (b)(6)
2783	4D10	2-20-74	ONR	Hydrostatic Extrusion of hard, high strength mats	\$80K	MATS/ (b)(6)
2784	4M10	2-22-74	NELC	High vapor pressure zinc laser	\$70K	STO/ (b)(6)
2785	4G10	2-22-74	CNM	Fleet Defense Aids	\$49,048	TTO/ (b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr.
2786	4G10	2-22-74	NAVELEX	Submarine Low-frequency target strength tests	\$87,700	TTO/ (b)(6)
2787	4G10	3-7-74	AMICOM	Theater-level modeling to determine the cost-effectiveness of Adv. Tech.	\$65K	TTO/ (b)(6)
2788	4G10	3-11-74	NASD	Wave Front Distortion	\$75K	TTO/ (b)(6)
2789	4K10	3-7-74	ARMTEC	Test Support for APL Sev Effort	\$7K	TTO/ (b)(6)
2790	5L10	4-16-74	NISC	Soviet R&D	\$306K	TAO/ (b)(6)
2791	4E20	2-22-74	ASA	Resistive Coupled Antenna Technology	\$37K	STO/ (b)(6)
2792	4P10	2-22-74		Software Tools for Climate Simulation	\$38,245	IPT/ (b)(6)
2793	4D10	2-27-74	QNR	Interactions & Dynamics of Molecules & Surfaces	\$489,315	MATS/ (b)(6)
2794	4D10	2-20-74	AFCLR	MOSFET	\$55K	MATS/ (b)(6)
2795	4D10	2-25-74	NBS	Distribution of Trace Constituents	\$26K	NMRO/ (b)(6)
2796	4G10	2-22-74	ASD	Small Autogyro/designator RPV	\$100K	TTO/ (b)(6)
2797	4F10	3-21-74	AMICOM	Impact on US Security world-wide agriculture shortages	\$30K	TAO/ (b)(6)
2798	4G10	3-4-74	AEC	Mid-Infrared Laser Target Designator	\$67K	TTO/ (b)(6)
2799	4G10	3-4-74	NRL	Mid-Infrared Laser Target Designator	\$45K	TTO/ (b)(6)
2800	4F10	3-1-74	AFOSR	Heat flow at Coso Geothermal Area China Lake, California	\$66K	TAO/ (b)(6)
2801	4W10	2-25-74	DSS-W	Impact of Alternative Int. nat'l. Economic Policies on U.S. Defense Interests Abroad	\$30K	HRRO/ (b)(6)
2802	4P10	3-12-74	DSS-W	Interlisp Language for B6700	\$24,740	IPT/ (b)(6)
2803	4F10	3-4-74	DECCO	Install data terminals & Communications links for Dir. of Energy, OSD.	\$3K	NMRO/ (b)(6)

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Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr.
2804	4G10	3-4-74	AFAL	Synthetic Aperture Radar Phenomenology	\$400K	TTO/ (b)(6)
2805	4F10	3-7-74	ONR	Comparative Performance of high efficiency ship Propulsion Systems for Destroyer type hulls	\$35,795	TAO/ (b)(6)
2806	5D10	4-9-74	AFCRL	Testing high power laser windows	\$149K	MATS/ (b)(6)
2807	5F10	4-24-74	NESC	Multi-Station Experiment algorithm	\$140K	NMRO/ (b)(6)
2808	4D20	3-7-74	OSR	Issues in Biological Science	\$52,407	HRRO/ (b)(6)
2809	4P10	3-1-74	DECCO	Centerville Line	\$375K	NMRO/ (b)(6)
2810	4M10 and 4E20	3-27-74	AFWL	STO New Laser Development	\$300K	STO/ (b)(6)
2811	4E20	4-11-74	NESC	STO Adv. Strat. Concepts	\$15K	STO/ (b)(6)
2812	4D20	4-9-74	DSS-W	Kirlian Photography	\$45K	HRRO/ (b)(6)
2813	4E20	4-17-74	DSS-W	DSB Summer Study	\$50K	(b)(6)
2814						
2815						
2816	5D20	5-2-74	ONR	Biocybernetics Control of Man-Machine interaction	\$120K	HRRO/ (b)(6)
2817	4T10	7-29-74	DSS-W	Loop Network Security	(computational equipment)	IPT/ (b)(6)
2818	5W10	5-15-74	ONR	International Behavior Analysis	\$50,443	HRRO/ (b)(6)
2819	5W10	5-6-74	ONR	Psychological & Sociological Dimensions of Crisis Management	\$72K	HRRO/ (b)(6)
2820	5W10	9-4-74	ONR	Military Forces as a Political Instrument	\$77K	HRRO/ (b)(6)
2821	5W10	5-22-74		Manpower Data Analysis	\$76K	HRRO/ (b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr.
2822	5D10	8-2-74	Elec. Cmmd.	Electrochromic Display Devices	\$50K	MATS/ (b)(6)
2823	4F10	5-17-74	NUC	Coherent tracking & localization algorithms at NUC	\$73K	NMRO/ (b)(6)
2824	5D10	6-6-74	AFML	Conference on IR laser Windows	\$11K	MATS/ (b)(6)
2825	5F10	7-16-74	OSR	Study effects of seismometer distortion on broadband seismic data	\$50K	NMRO/ (b)(6)
2826	5D10	7-18-74	CRL	Temp. Compensated Piezoelectric Materials	\$50K	MATS/ (b)(6)
2827	5D10	7-18-74	ONR	Acoustic Ridge Waveguide Technology	\$68,219	MATS/ (b)(6)
2828	5D10	7-24-74	AFML	Interdisciplinary Prog. for Quantitative Flaw Definition	\$357K	MATS/ (b)(6)
2829	5P10	6-3-74	RML	Network Tenex Resources	\$110K	IPT/ (b)(6)
2830	5W10	6-29-74	DSS-W	Quantitative Indicators	\$173,879	HRRO/ (b)(6)
2831	5E20	5-21-74	NOL	STO High Energy Laser Tech. -field experiments	\$430,898	STO/ (b)(6)
2832	4P10	5-15-74	RML	National Software Works	\$709,269	IPT/ (b)(6)
2833	5W10	7-3-74	DCA/DECCO	PLATO Commun. Lines	\$125K	HRRO/ (b)(6)
2834	4E20	5-24-74	NELC	STO Special Applic. Tech; Analytical Techniques	\$50K	STO/ (b)(6)
2835	5W10	7-18-74	USNaval Academy	Indicators of Transaction Flows	\$15K	HRRO/ (b)(6)
2836	3E20	5-24-74	NSA	STO Special Applications Tech; special commun.	\$108,500	STO/ (b)(6)
2837	5E20	7-16-74	SAMSO	ARPA Maui optical station (AMOS) Phase III	\$825,000	STO/ (b)(6)
2838	5D20 5W10	6-11-74	RADC	Text Indicators analysis & consistent system Software	\$440K	HRRO/ (b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr
2839	5W10	6-13-74	CACI	Contingency Planning & Long Range Forecasting	\$150,820	HRRO/ (b)(6)
2840	5E20	7-16-74	MIT	University Laser Research	\$300K	STO/ (b)(6)
2841	5D20	8-10-74	ONR	Group Judgment Technology	\$43K	HRRO/ (b)(6)
2842	5P10	7-11-74	SRI	Operation of Network Info. Center	\$77K	IPT/ (b)(6)
2843	5E90	7-18-74	SAMSO	Millimeter Wave Technology effort	\$860K	STO/ (b)(6)
2844						
2845	5L10	6-24-74	AEC	EGG APPLE 3	\$200K	TAO/ (b)(6)
2846	5W10	7-15-74	ONR	Crisis Management Models	\$36K	HRRO/ (b)(6)
2847	5F10	8-7-74	USGS	Seveh Element LP Array Iran	\$535K	NMRO/ (b)(6)
2848	5E20	7-18-74	NUSC	ULF Noise Measurement Experiment	\$55K	STO/ (b)(6)
2849	5L10	7-23-74	AMICOM	Evaluation of Selected Technology Develop. in the Free World	\$135K	TAO/ (b)(6)
2850	4F10	6-26-74	US Geological Survey	Design, Develop & Installation of Seismic Research Observatories	\$170K	NMRO/ (b)(6)
2851	5W10	10-10-74	ONR	Organizational communication & decision-making in Crises	\$40K	HRRO/ (b)(6)
2852	5P10	9-11-74	DSS-W	Intelligent terminal exploratory studies	\$125K	IPT/ (b)(6)
2853	5F10	7-18-74	SRI	Acquisition & Operation of SRI-ARC-PDP10 Tenex Facility	\$415K	TTO/ (b)(6)
2854	5G10	7-16-74	NESC	Tactical Sea Sruveillance Demonstration	\$99,461	TTO/ (b)(6)
2855	5G10	8-5-74	AMICOM	ECM/ECCM for Communications Locators	\$132,587	TTO/ (b)(6)
2856	5L10	7-24-74	CIA	Analytical Support Center	\$200K	TAO/ (b)(6)



Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr.
2857	5L10	8-13-74	DSS-W	Models/Analysis of Soviet Technological Applications	\$285K	TAO/ (b)(6)
2858	5G10	7-26-74	ESD	SIAM, UGS Syst. Studies, RPV Comm.Systs.	\$420,817	TTO/ (b)(6)
2859	5L10/5F10	9-26-74	DNA	Grid Interoperability, Warsaw Pact Air Defense. Soviet Strategic Factors	\$120K	TAO/ (b)(6)
2860	5G10	9-23-74	CIA	SAR Digitization & Tactical Display	\$60K	TTO/ (b)(6)
2861	5E20	8-7-74	AFWL	Chemical Laser Technology	\$1225K	STO/ (b)(6)
2862	5F10	8-5-74	USGS	Purchase of equip. & Servcs. to upgrade various Very Long Period Experiment stations	\$296K	NMR (b)(6)
2863	5W10	8-7-74	DSS-W	Short-term Indicator Forecasting	\$80K	HRRO/ (b)(6)
2864	5W10	8-12-74	DNA	A Decision analytic assessment of Value of Intelligence	\$39K	HRRO/ (b)(6)
2865	5L10	8-12-74	AMICOM	Study on non-fuel strategic resources as related to National Security	\$120K	TAO/ (b)(6)
2866	5F10	8-16-74	NSSC	Project FAN	\$17K	(b)(6)
2867	5F10	9-3-74	State Dept.	Chinese-English Translation Assistance Dictionary	\$5,000	TAO/ (b)(6)
2868	5F10	9-30-74	AEC	Seismic Coupling for NTS Events	\$49K	NMRO/ (b)(6)
2869	5E10	10-3-74	AMICOM	Analysis of the needs of DoD for Critical Materials resulting from emerging U.S. Industrial Technologies	\$70K	TAO/ (b)(6)
2870	5D10	10-8-74	ARO-D	Molecular Rectifiers	\$20K	MATS/ (b)(6)
2871	5E20	8-22-74	AMICOM	TEAL RUBY	\$850K	STO/ (b)(6)
2872		9-3-74		Theoretical investigation of Autoresonant accelerator concept	\$300K	STO/??????
2873	5W10	9-16-74	ONR	Decision & Events in Crises	\$72K	HRRO/ (b)(6)
2874	5G10	9-5-74	NWC	TTO MOBA Program	\$193K	TTO/ (b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr.
2875	5G10	9-5-74	ECOM	TTO MOBA Program	\$48K	TTO (b)(6)
2876	5G10	9-5-74	AMICOM	TTO MOBA Program	\$169K	TTO
2877	5G10	9-5-74	EARI	TTO MOBA Program	\$75K	TTO
2878	5G10	9-23-74	RADC	Tactical SAR Processing Experiments	\$130K	TTO
2879	5G10	9-23-74	NISC	Interactive SAR Processing Implementation	\$180K	TTO
2880	5G10	9-23-74	RADC	Interactive SAR Interpretation Analysis	\$30K	TTO
2881	5G10	9-5-74	NAVELEX	HF/VHF Direction Finding Array	\$150K	TTO
2882						
2883	5G10	10-2-74	ASD	Radar Vulnerability Study	\$100K	TTO
2884	5P10	10-3-74	NASA/Ames	ILLIAC IV Security	\$331,418	TTO
2885	5G10	4-21-75	ERDA	Small Warhead Development	\$82K	TTO/
2886	5P10	9-30-74	RADC	System Analysis of Information Processing Problems & Techniques	\$100K	IPT/
2887	5W10	9-27-74	USARI	Joint ARPA/ARI effort	\$75K	HRRO (b)(6)
2888	5E20	9-26-74	ONR	STO Warning Technology-Australian OTHR Support	\$274,985	(b)(6)
2889	5D10	9-30-74	AMRL	Perceptual factors in computer graphics	\$50K	HRRO/ (b)(6)
2890	5E20	9-30-74	NSA	Develop Position Location Technology	\$64.4K	STO (b)(6)
2891	5E20	10-3-74	AMICOM	An Offense/Defense Interaction Study	\$100K	STO
2892	5E20	10-3-74	AMICOM	Comparison of diesel electric & Li-seawater power systems	\$10K	STO

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr.
2893	5D30	10-8-74	RADC	Multi-Spectral Image Processing	\$427,020	IPT / (b)(6)
2894	5D30	10-2-74	SRI	Artificial Intelligence-Research & Applications	\$750,837	IPT /
2895		10-31-74		Satellite Radar Altimetry & DMA Geodetic Experiment	\$550K	NMRO /
2896	5F10/5L10	10-11-74	GPO	Soviet Military Thought	\$13K	TAO / (b)(6)
2897	5F10	10-29-74	AFTAC	Special Data Collection Sys.	\$400K	NMRO / (b)(6)
2898	5D10	11-19-74	AFOSR	Synthesis of Single Crystal Type 2 Diamonds	\$69,681	MATS (b)(6)
2899	5G10	11-26-74	NELC	Develop Fibre-Optic Undersea Cable	\$265K	TTO (b)(6)
2900	5D10	12-2-74	AFCLL	Potassium bromide for high powered IR laser windows	\$93K	MATS (b)(6)
2901	5P10/5T10	10-25-74	ONR	Distributed Computation & Tenex Related Activity	\$290K	IPT / (b)(6)
2902	5E20	10-25-74	NSWC	High Power Laser Beam Propagation Experiments	\$2471K	STO /
2903	5D30	10-15-74	ARO-D	Speech understanding research	\$225K	IPT /
2904	5D30	10-23-74	ONR	Speech understanding systems	\$730K	IPT /
2905	5P10	10-15-74	ARO-D	Pitch & Excitation Study	\$180,000	IPT /
2906	5D30	10-23-74	ONR	Maintenance of Interlisp	\$80K	IPT /
2907	5D20	10-23-74	NADC	Voluntary Regulation of extremity temp. under Cold Ambient Conditions	\$33K	HRRO / (b)(6)
2908	5G10	10-23-74	NRL	Mid-IR Sensor Array	\$273,250	TTO / (b)(6)
2909	5G10	10-25-74	ONR	Aircraft Underwater Sound Experiment	\$175,000	TTO /
2910	5G10	10-31-74	NAVELEX	Non-Linear Acoustics	\$430,760	TTO /

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr.
2911	5G10	10-31-74	NAVSEA	Non-Linear Acoustics	\$49K	TTO (b)(6)
2912	5G10	11-5-74	ASD(RWRA)	Advanced Day/Night Designator Payload	\$250K	TTO
2913	5G10	11-5-74	AFAL	Electro-Optical Countermeasures Program	\$662K	TTO
2914	5G10	11-5-74	ASD(RWRA)	Stabilized Lens	\$150K	TTO
2915	5G10	11-5-74	AMICOM	NAVSTAR Missile Guidance Simulations	\$99,886	TTO
2916	5D20	10-30-74	ONR	Experimental Research at CCBS	\$220K	HRRO (b)(6)
2917	5G10	11-8-74	ARMCOM	Triple Capability Rifle Development and Personal Defense Weapon Development	\$419,562	TTO (b)(6)
2918	5E10	12-23-74	ONR	Analysis of data taken w/large aperture acoustic array in Mediterranean	\$150K	TTO
2919	5E10	12-23-74	NUC	Integrated acoustic surveillance experiment & initiation of long lead time hardware & software efforts related to that experiment.	\$237K	TTO
2920	5G10	11-19-74	NAVSEA	Fleet Defense Aids Program	\$654K	TTO (b)(6)
2921	5G10	11-19-74	NAVELEX	Development of Lightweight Mini-RPV ECM Payload	\$200K	TTO
2922	5G10	12-3-74	ECOM	Mini-RPV Integrated Communications & Navigation Systems	\$475K	TTO
2923	5G10	12-23-74	ONR	Tech. & Systems analysis in advanced sonar systems area	\$42K	TTO
2924	5G10	12-23-74	ONR	Numerical simulation of boundary layer transition	\$79K	TTO (b)(6)
2925	5G10	12-20-74	NAVSEA	Boundary Layer Suction Tests	\$40K	TTO/
2926	5G10	12-21-74	NWL	Alternative Forces for Military Crisis Mgmt.	\$100K	TTO/
2927						
2928	5W10	11-29-74	ONR	Crisis Inventory and Dimension	\$42K	HRRO (b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr.
2929	5T10	11-19-74	ESD	Acoustic Convolver & C <sup>3</sup> Systems Planning	\$355K	IPT/ (b)(6)
2930	5W10	11-25-74	ONR	Man-Machine Communication Process Research	\$150K	HRRO/ (b)(6)
2931	5P10	11-21-74	RADC	Arpanet machine connections for National Software Works	\$194,986	IPT/ (b)(6)
2932	5W10	3-6-75	DSS-W	TRAIDEX	\$109,745	HRRO/ (b)(6)
2933	5W10	11-18-74	AFHRL	Research on Computer-Aided Instruction	\$142K	HRRO/ (b)(6)
2934	5E20	11-21-74	SAMSO	Advanced space defense application study	\$200K	STO/ (b)(6)
2935	5P10/5T10	11-22-74	DSS-W	Secure Speech Compression & Packet Radio System	\$450K	IPT/ (b)(6)
2936	5W10	12-4-74	DSS-W	Long-Range Forecasting Model	\$71K	HRRO/ (b)(6)
2937	5E20	12-6-74	AMICOM	Advanced Space Based Strategic Concept Study	\$140K	STO/ (b)(6)
2938	5E20	12-23-74	SAFUSF	Develop Position Location Technology	\$66.4K	STO/ (b)(6)
2939	5W10	1-21-75	ONR	Crisis Warning & Management	\$94,131	HRRO/ (b)(6)
2940	5W10	12-11-74	DSS-W	Program & Policy Implementation in DoD	\$201K	HRRO/ (b)(6)
2941	5E20	12-24-74	AMICOM	Project HALO	\$462K	STO/ (b)(6)
2942	5G10	12-26-74	ASD	Harassment Drone	\$164K	TTO/ (b)(6)
2943	5G10	1-28-75	RADC	Wideband Emitter Location	\$100K	TTO/ (b)(6)
2944	5G10	1-21-75	ONR	Low Temperature MHD	\$100K	TTO/ (b)(6)
2945	5G10	1-28-75	NWC	Liquid propellant phenomenology program	\$384K	TTO/ (b)(6)
2946	5G10	12-23-74	NELC	Sanctuary Radar Analyses	\$73,390	TTO/ (b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr.
2947	5E20	12-26-74	AMICOM	Utility of VHF-UHF RCS Reduction	\$48K	STO (b)(6)
2948	5T10	2-5-75	ECOM	Electronic Countermeasure	\$41K	IPT/
2949	5T10	12-26-74	NAVELEX	Support Overwater Experiment	\$30K	STO
2950	5E20	12-26-74	AMICOM	B-1 Threat Interaction Study	\$99,275	STO
2951	5E20	12-24-74	TRW	Feasibility Demonstration of Broadband Chemical Laser	\$50K	STO
2952	5E20	12-26-74	AMICOM	Continuous Terminal Homing Program	\$48K	STO
2953	5E20	12-26-74	AMICOM	Analytic-numerical Investigations of Turbulence	\$15K	STO
2954	5E20	12-30-74	SAMSO	TEAL JADE	\$150K	STO
2955	5E20	12-30-74	AMICOM	Continuous Terminal Homing Program	\$25K	STO/
2956	5E20	12-30-74	AMICOM	Continuous Terminal Homing Program	\$15K	STO/
2957	5G10	1-22-75	AFAL	Preparation of Design Handbook on the Development of GAU-7, 25mm Telescoped Ammunition	\$250K	TTO (b)(6)
2958	5G10	1-16-75	NWC	Preliminary Design, Analysis & Mechanism 25mm-35mm Liquid Propellant Modular Gun	\$165K	TTO
2959	5E20	1-10-75	NUSC	OWEX Support	\$35K	TTO
2960	5E10	1-10-75	ONR	OWEX Program "Generation of Internal Waves by Turbulence"	\$22K	TTO
2961	5E10	1-10-75	ONR	OWEX Program "Modeling of Thermal Microstructure & Evaluation of Laser Remote Sensor Concepts."	\$51K	TTO
2962	5E10	1-10-75	NUSC	OWEX Program Support	\$160K	TTO
2963	5G10	1-21-75	ASD/RWDPM	Spanish Stabilization Experiment	\$124K	TTO
2964	5G10	1-21-75	NSWC	Design Study & Flight Test of a Modified Small Boat Radar	\$60K	TTO

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Program Mgr.
2965						
2966	5E10	1-21-75	NISC	Underwater Acoustic Transient Signals	\$80K	TTO/ (b)(6)
2967	5G10	1-16-75	DNA	USEUCOM Vulnerability/Survivability Study	\$46K	TTO/ (b)(6)
2968	5E20	12-30-74	AMICOM	Advanced Laser Application Study	\$50K	STO/ (b)(6)
2969	5E20	1-21-75	RADC	STO-Special Signal Transfer	\$280K	STO/ (b)(6)
2970	5E20	1-20-75	NSWC	Design Advanced Strategic Submersible Systems	\$75K	STO/ (b)(6)
2971	5E20	1-21-75	NSA	Coherent Light Valve (CLV) Optical Processor	\$141K	STO/ (b)(6)
2972	5E20	1-29-75	SAMSO	Vibration isolation Tech.	\$52K	STO/ (b)(6)
2973	5G10	1-24-75	RADC	Comparative Testing & Analysis of the Performance of Several Spread Spectrum Modulation Techniques	\$30K	TTO/ (b)(6)
2974	5G10	1-22-75	NUC	Aircraft Underwater Sound Experiment	\$49K	TTO/ (b)(6)
2975	5G10	3-27-75	NAVSEA	Millimeter Wave Phenomenology	\$105K	TTO/ (b)(6)
2976	5G10	2-3-75	NUSC	Large Aperture Surveillance Measurements Program	\$1,028,000	TTO/ (b)(6)
2977	5G10	2-3-75	NUC	Large Aperture Surveillance Measurements Program	\$60K	TTO/ (b)(6)
2978	5G10	2-3-75	NRL	Large Aperture Surveillance Measurements Program	\$105K	TTO/ (b)(6)
2979	5G10	1-28-75	NVL	Measure target & projectile signatures	\$67K	TTO/ (b)(6)
2980	5G10	4-11-75	OSR	Large Body Transition Calculations	\$16,484	TTO/ (b)(6)
2981	5D10	1-29-75	ONR	Structural & Superconducting Properties of Metals	\$112K	MATS/ (b)(6)
2982	5D10	4-11-75	AFOSR	ASW Devices & Modulated Microstructure	\$84K	MATS/ (b)(6)

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog. Mgr.
2983	5D10	2-6-75	OSR	Materials Science	\$40K	MATS/ (b)(6)
2984	5P10	1-29-75	ESD	NLS-SCHOLAR Application	\$75,609	IPT/ (b)(6)
2985	5D10	2-18-75	ECOM	Computer Aided Engineering of Integrated Circuits	\$358K	MATS/ (b)(6)
2986	5P10	5-7-75	DSS-W	ARPANET Documentation	\$52K	IPT/ (b)(6)
2987	5E20	4-11-75	NESC	Special Intercept Display Tech.(TEAKWOOD)	\$40K	STO/ (b)(6)
2988	5D10	2-24-75	AFML	Random Signal Flaw Detection	\$21K	MATS/ (b)(6)
2989	5G10	2-26-75	DNA	TNW Attack of Fixed Targets	\$72K	TTO/ (b)(6)
2990	5G10	2-26-75	AMICOM	SAM Radar Discrimination	\$60K	TTO/ (b)(6)
2991	5G10	2-10-75	NRL	Countermeasure Vulnerability Simulation	\$90K	TTO/ (b)(6)
2992	5G10	2-21-75	DNA	Key Research areas in fuel Air explosives	\$40K	TTO/ (b)(6)
2993	5G10	2-21-75	ERDA	Advanced Warhead Technology-(Penetrating Warhead Experiments)	\$45K	TTO/ (b)(6)
2994	5D10	2-18-75	ONR	Electronic and Mechanical Properties in MATS	\$116K	MATS/ (b)(6)
2995	5L10	3-24-75	NSWC	NTA Basic Research & Exploratory Develop.- Warhead Components	\$50K	TAO/ (b)(6)
2996						
2997	5L10	2-26-75	ONR	Photon Engine	\$50K	TAO/ (b)(6)
2998	5G10	2-21-75	ERDA	Advanced Warhead Development-(Effects of Free Radicals in Shock Initiation of Explosives)	\$50K	TTO/ (b)(6)
2999	5F10	2-19-75	DMA	Admin. funds for Defense Mapping Agency.	\$1,300	PM/ (b)(6)
3000	5G10	2-27-75	USAAC	Swedish S-Tank & Analyze the test results	\$500K	TTO/ (b)(6)



Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Prog.Mgr.
3038						
3039						
3040	6G10	7-23-75	AFAL	Agent Admin. Costs.	\$8K	(b)(6) PM
3041	5L10	5-23-75	DSS-W	Multi-Regional Input-Output Tables for USSR	\$73,045	TAO (b)(6)
3042	5L10	4-16-75	RADC	Military Balance-Perceptions & Special Plans	\$10K	TAO (b)(6)
3043	5L10	4-21-75	DSS-W	Military Balance-Decision Structure	\$18,688	TAO/
3044	5L10	4-21-75	DSS-W	Military Balance-European Perceptions	\$20K	TAO/
3045	5T10	5-7-75	ONR	Command & Control Network Reliability	\$223,400	IPT/
3046						
3047	5D30	5-5-75	AFAL	Application of Artificial Intell. to Electronic Warfare	\$99,853	IPT (b)(6)
3048	5D30	5-5-75	AFAL	Survey of Artificial Intell.	\$90,062	IPT
3049	5E20	4-25-75	RADC	Applications of Electronic Warfare SCT Overwater Monitoring Test	\$10K	STO
3050	6E20	5-22-75	NASA-AMES	Atmospheric Spatial & Temporal Fluctuations in 4-5 $\mu$ m Infrared Spectral Region	\$112K	STO/
3051	6F10	5-12-75	AFTAC	PGM Data Analysis ARPA-301	\$51K	NMRO/ (b)(6)
3052	6W10	5-29-75	ONR	Develop of Advanced Decision Tech.	\$1,183K	HRRO
3053	6D20	5-28-75	ONR	Vocabulary of Brain Potentials	\$650K	HRRO/
3054	6W10	5-23-75	DSS-W	Applications of Quantitative Methods of Scenario Generation	\$75K	HRRO/
3055	6L10	7-3-75	ORD	Targeting-Industrial Sectors Impact	\$120K	TAO (b)(6)
3056		6-27-75	AMICOM	Theoretical Study of Laser Target Interaction.	\$160K	STO/?

Order No.	Project Code No.	Date of Order	Agent	Project Title	Commitment	Program Mgr.
3233	6W10	2-25-76	DSS-W	National Security Forecasting	\$137K	HRRO (b)(6)
3234	6W10	2-26-76	DSS-W	Satellite CMI	\$73K	HRRO
3235	6W10	2-26-76	NCNET	Satellite CMI	\$3K	HRRO
3236	6D10	2-26-76	SAMSO	Metal-Matrix Composites for Current Collection	\$35K	MATS
3237	6G10	3-12-76	AFASD	Design, fabricate & flight demo a low probability of intercept aircraft fire control system.	\$550K	TTO/
3238	6G10	3-8-76	ADTC/XR	Air-to-Air Missile	\$455K	TTO/ (b)(6)
3239	6G10	3-18-76	AMICOM	Adv. fire & forget sensor tech.	\$251K	TTO/
3240	6F10	3-19-76	DNA	Tactical Warfare Program	\$75K	TTO/
3241						
3242		3-4-76	NWC	Fluoride Polishing & Test effort	\$35K	MATS/?
3243	6P10/tP10	3-17-76	NESC	Packet speech program	\$65K	IPT (b)(6)
3244	6G10	3-15-76	NAVELEX	Tech Support for OMAT	\$??	TTO/
3245	6D20	3-18-76	DSS-W	Touch Sensitive Displays	\$29K	HRRO (b)(6)
3246						
3247						
3248	6D30	3-19-76	NSA	Electron Beam Molecular Memory	\$58K	IPTO (b)(6)
3249		3-23-76	SAMSO	Passive Space Array Integration	\$249,750	STO/
3250	6D30/TD30	3-23-76	ONR	Interface techniques for connecting electron beam memory to time sharing net such as ARPANET	\$13,500	IPT (b)(6)
3251						
3252						