

# ARMY AVIATION

FEBRUARY 28 ★ 1966



What does Bell see in us ?

(continued on back page)



LYCOMING DIVISION  
STRATFORD, CONN.



# Chipook

# PROGRESS

## **VERTOL DIVISION OPENS NEW ASSEMBLY CENTER . . .**

**Boeing's Vertol Division began partial occupancy of its new Assembly Center last month. Only a portion of the 700,000 square feet of high bay area in the new Assembly Center will actually be needed to meet current accelerated schedules for the U. S. Army CH-47A Chinook helicopter.**

**The Assembly Center contains seven huge high-bay areas. The one pictured is 90 feet wide by 1,180 feet long.**

**The new Assembly Center, with its immediate available areas for additional expansion, gives the Vertol Division adequate reserve production capacity.**



**SUMMARY**

February, 1966

***BOEING Helicopters***

**VERTOL DIVISION / MORTON, PENNSYLVANIA, U.S.A.**





# VIETNAM'S ARA

One of the most unique organizations in the world, the US Army's 2d Battalion, 20th Artillery, part of the 1st Air Cavalry Division, is currently operating in the mountainous, guerilla-haunted central highlands of this war-torn nation.

The 20th is the first and only aerial rocket artillery (ARA) battalion in the world, and its sphere of operations, compared with even the largest conventional caliber artillery units, can only be described as enormous.

Equally enormous is the volume of firepower available within the organization — its three firing batteries have a combined firepower of 1,728 2.75-inch rockets, the equivalent of 48 battalions of 155mm howitzers, or to put it another way, one such battalion firing 48 rounds per gun.

The main weapons system employed by the flying artillerymen is a pair of rocket pods, each housing 24 2.75 inch rockets — and all 48 of these can be delivered in just four seconds.

The rockets are of a type that have been in service for several years — and they are due to be replaced soon with a larger, more lethal rocket with a heavier warhead, but the same diameter, allowing them to be fired from the existing pods.

The development of aerial rocket artillery can be traced back to the early days of the airmobility experiments conducted at Ft. Benning, Ga. According to Major Joseph Lahnstein, the Battalion Executive Officer, the aerial concept was born when a means of fire support had to be found for highly mobile air-transported troops beyond the range of conventional artillery.

## VARIOUS SYSTEMS USED

Combat experience in Vietnam has shown that the 48-rocket system, while undoubtedly effective, can be improved. An alternate weapons system, consisting of a half-dozen wire-guided missiles mounted three on each side of a Huey, was used with considerable success against hard targets — armored vehicles, thick masonry buildings,

and caves. In addition, the guided missiles, which were the modified SS-11 type, used by the Army as an infantry anti-tank weapon, have been directed against point targets with devastating accuracy.

*"But we still needed a more flexible system, one that could combine the inexpensive, but very accurate SS-11, with its capability for hitting hard point targets,"* explained Chief Warrant Officer Robert Maxwell, a pilot with the 20th.

Maxwell is the designer of just such a system. Blending the best of both previous systems, Maxwell mounted a wire-guided SS-11 on each side outboard of the rocket pods, then, to make up for the difference in weight, blocked off 12 rocket tubes on each side, and came up with a 24-rocket and two-guided missile system that offers the pilot a choice of the best features of both types of weapons. Because of the difference in weight between the two systems, Maxwell's rig permits the use of the newer, heavier rockets.

## ALL ARTILLERY-TRAINED

Still another alternative to the rockets and missiles carried by the 36 Hueys in the firing batteries are the quad-machine gun outfits sported by the headquarters battery ships. These are four slightly modified M-60 machine guns, two on a side, aimed and fired by the co-pilot.

Usually, the 20th receives targets beyond the range of the tube artillery, but sometimes its fire is used to supplement the conventional fire. All of the battalion's commissioned officers are artillery branch trained, and *"Even our warrant officers get to feel that they are artillerymen after a while,"* comments the battalion's veteran commander, Lt. Col. Nelson Mahone.

This helps keep the battalion oriented on their tactical role as flying artillery.

*"Many people tend to class all armed helicopters as 'gun ships,' but we consider ourselves a breed apart, and our success with artillery tends to support this,"* says Col. Mahone, an Army pilot for nearly twenty years.

The ARA is an artillery unit, and although they have on occasion performed the tasks usually assigned to gun ships, their real worth is demonstrated by the praise infantry leaders lavish on them.

One battalion commander with the memory of the Plei Me fighting still fresh in his mind said, *"The enemy was all around us, and the volume of fire was murderous. We were taking casualties right and left, when the ARA arrived over us. Suddenly, we were alive again. They took the breath of death out of our faces and blew it back towards Charlie (the Viet Cong)."*

Other infantrymen are quick to point out that only ARA can deliver quick, heavy fire as close as fifty yards to the front of friendly troops, and have virtually no danger of hitting their own soldiers.

Another unique capability of the ARA is as a counter-battery weapon, particularly against mortars. At the cavalry base camp at An Khe as well as at temporary field encampments, aerial searchlights are employed, and the combination of an armed, blacked-out Huey following the searchlight ship has been termed *"the most effective counter-mortar weapon in Vietnam"* by Cavalry Division officials.

The men of the 20th proudly wear the unit's distinctive *Griffen* patch on their shirt pockets. The *Griffen* was a mythical creature with the head, wings and talons of an eagle and the body of a lion. Like the *Griffen*, the aerial artillerymen have proven that they can successfully combine the strength and power of the artillery with the speed and range of the helicopter.





# ARMY AVIATION

VOLUME 15

FEBRUARY 28, 1966

NUMBER 2

"ARMY AVIATION" is published monthly by Army Aviation Publications, Inc., with Editorial and Business Offices located at 1 Crestwood Road, Westport, Conn. 06880. Phone: Area Code 203 227-8266.

The views and opinions expressed in the publication are not necessarily those of the Department of the Army or of the staff of the publication. No inference should be drawn that the publication is an authorized, funded government publication.

Articles of 1,500 words or less, news items, and photographs pertinent to Army aviation are solicited and should be mailed to the Editorial Office so as to arrive on or before the 5th of the month preceding the cover date month. Preferential treatment will be given to exclusive copy and photographs so marked.

Copy should bear the name and address of the writer. The magazine cannot assume responsibility for the safe return of copy, photographs, etc., unless the submission is accompanied by an addressed envelope having sufficient return postage. Exclusive articles pertinent to any Army aviation subject except AAAA, industry, unit, or major command activities are reimbursable at the rate of ten cents per published line.

The editor reserves the right to quote all or part of any material that is submitted for publication, except those particular passages that the writer specifies are not for publication. Copy additions or deletions made necessary by space requirements may be made. The publisher assumes that the correspondent has not submitted any material that is classified, proprietary, or copyrighted. The use or reproduction of any of the by-lined contents of the publication, in whole or in part, without the expressed permission of the publisher is prohibited.

Subscription fees for non-AAAA members: \$3.50 per year to CONUS, APO, and U.S. Possessions; add \$1.50 per year for all other addresses. Active U.S. Army personnel are requested to provide a residence or quarters address for magazine distribution purposes whenever possible. Back issues cannot be held unless an advance "Hold Notice" is furnished by the subscriber together with the date on which he will report to his new mailing address.

Publisher, Arthur H. Kesten; Managing Editor, Dorothy Kesten; Associate Editor, William E. McGee; Editorial Assistant, Jessie R. Burek; Reader Service, Mary Wallace; Circulation Assistants, Phyllis Hanson, Sheila Racine.

Advertising correspondence should be directed to the Business Office. Closing date for insertions is the first day of the month preceding the cover date month. Second Class Postage Paid at Westport, Connecticut.

## FEATURES

### Aviation Requirements for the Combat Structure of the Army

By Colonel Delbert L. Bristol, Director of Army Aviation ..... 9

### Refueling an Airmobile Division

By Captain Robert Parker ..... 14

### How Rotary Wing Aircraft Fit Into Today's Concept of Transport and Weapons Systems

By Carlos C. Wood, Vice Pres., Engineering, Sikorsky Aircraft Division ..... 19

### Bell Plant Division, Army Aviation Materiel Command

By Lt. Colonel Francis J. Bowers, Chief, Bell Plant Division ..... 22

### Army Aviation Association News

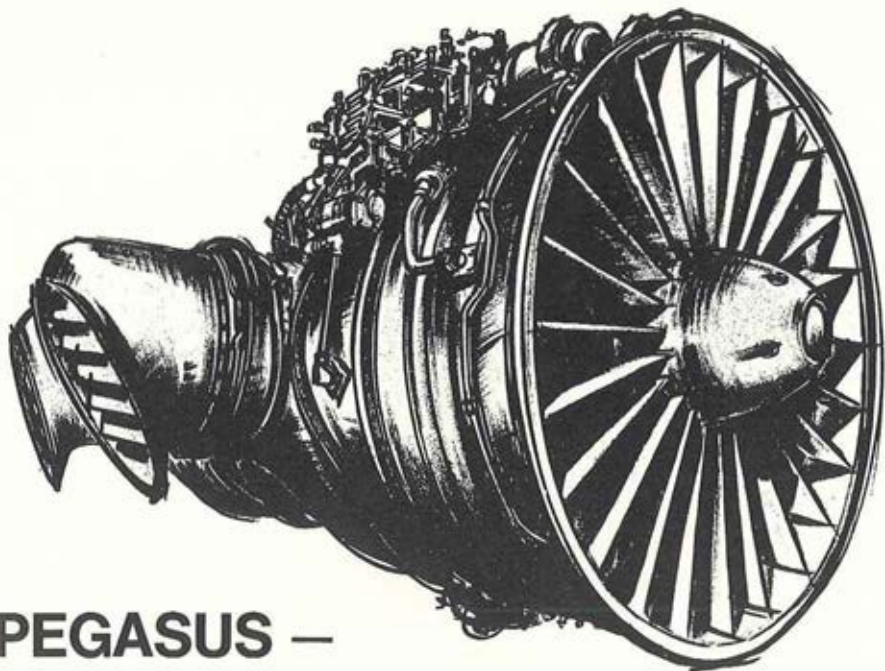
..... 43

## DEPARTMENTS

AA Photo News	26, 31
Awards and Decorations	29
Contracts	41
Facts in the News	7
Letters to the Editor	6
Obituaries	39
PCS—Change of Address Notices	27
Take a Quick Quiz	33
The Light Side	35

## ADVERTISERS

American Airlines	8
Beech Aircraft Corporation	16-17
Bell Helicopter Company	Centerfold
Bendix Radio Division	13
Boeing Vertol Division	2-3
Bristol Siddeley Engines, Limited	7
Ladd Agency	44-45
Lycoming Division, Avco Corporation	Front Cover



## **PEGASUS — the proven V/STOL system**

**Powers the world's first  
operational V/STOL  
strike aircraft**

**Chosen in quantity for the RAF**

**Powers the world's first  
jet V/STOL transport**

**P**ROVED during five years flight experience and over 2,000 transitions, the Bristol Siddeley Pegasus vectored-thrust turbofan is now being developed to its full design rating.

The more powerful version will be installed in the Hawker Siddeley P 1127 chosen for squadron service with the Royal Air Force.

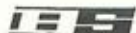


The Pegasus-powered Hawker Siddeley P 1127.

Applications of the Pegasus are not confined to single-engined aircraft. Two Pegasus engines, partnered by pure lift engines, also power the Dornier DO 31, the world's first jet V/STOL transport.

*Bristol Siddeley Engines Limited. Aero Division: PO Box 3, Filton, Bristol, England.*

**Bristol Siddeley supply the power**



# PILOTS

## Join

# AMERICAN AIRLINES

A pilot career with America's Leading Airline may be yours if you are qualified. Send the coupon for an interview and additional information.



### BASIC REQUIREMENTS

- Age—21 to 35 years (First consideration 21 to 28 years)
- Education—2 years college or equivalent
- Vision 20/20 without glasses
- Height—5'6" to 6'4"
- First class FAA medical
- Rating—U.S. Commercial License and Instrument
- Predominantly fixed wing experience

I am interested in an interview — please contact me.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

Phone or Mail Coupon to Personnel Manager

**AMERICAN AIRLINES**  
AMERICA'S LEADING AIRLINE



**CHICAGO**

Box 8765, O'Hare International Airport, Chicago, Ill. 60666  
Phone 312 — 686-4212

**NEW YORK**

La Guardia Airport Station, Flushing, New York 11371  
Phone 212 — HA 6-8800

**LOS ANGELES**

Airport, 7000 World Way West, Los Angeles, Calif. 90009  
Phone 213 — 646-3566

**DALLAS**

Love Field, Dallas, Texas 75235 Phone 214 — FL 1-9911

"An Equal Opportunity Employer — A Plans For Progress Company"



# AVIATION REQUIREMENTS



BY  
COLONEL DELBERT L. BRISTOL  
DEPUTY DIRECTOR OF ARMY AVIATION  
OACSFOR, DEPARTMENT OF THE ARMY

**D**uring an appearance before the House Armed Services Committee in March, 1965, Secretary of Defense McNamara testified to the effect that the Army aircraft inventory objectives contained in the FY 1966 budget were tentative and that by the time of the presentation of the FY 1967 budget in early 1966, he would have firm recommendations as to the rationale for and quantitative aircraft requirements of the U. S. Army forces.

This statement was no surprise to the leadership of the Army. Since early in 1962 when Secretary McNamara had directed the Army to take a bold, new look at the potential of increased use of aerial vehicles in modernizing the Army, the Army General Staff, the Combat Develop-

ments Command, the Continental Army Command, and the Army Materiel Command had been feverishly engaged in the analysis and testing of new concepts of employing aerial vehicles to improve the Army's combat capabilities.

Concurrently, the Army's increasing commitment of Army aviation units to the support of the Armed Forces of the Republic of Vietnam provided valuable experience that shed light on the problem of how fast the Army should move in the direction of increased reliance upon aerial vehicles in the day to day operations on battlefields of the future.

In October, 1964, the Army Chief of Staff,

General Johnson, recognized that the numerous tests and studies of airmobility then underway would not in themselves provide all of the data necessary to provide and answer to how much aviation was required and what it would cost. Accordingly, General Johnson directed the formation of a study group for the purpose of determining the quantitative requirements for aviation in the Army Combat Structure and Supporting Forces with the rationale therefor for use in developing the Army's FY 1967 budget.

## Mueller Board

Early in January, 1965, this study group assembled at the Pentagon under the leadership of Brigadier General Edmund Mueller, who was temporarily detached from his duties as Assistant Commander of the 2d Infantry Division. Other members of the study group were drawn from the Army General Staff, civilian research organizations, CDC, AMC, and CONARC.

The study group made extensive use of operations research analysis techniques including the conduct of war games. Major contributors to the study were the *Combat Operations Research Group (CORC)*, *Research Analysis Corporation (RAC)*, and the *Engineer Strategic Studies Group (ESSG)*.

Whereas other studies and tests including the efforts of *Project TEAM (Test and Evaluation Air Mobility)* had examined the employment of aviation in specific segments of the Army's combat operations, the *ARCSEA\** study was intended to be a "wrap up" of all of the Army's aviation requirements. A major feature of the study was the development of scenarios for the conduct of war games based upon approved Army force structure plans.

In order to measure the effectiveness of avia-

*\*ARCSEA—Aviation Requirements for the Combat Structure of the Army.*

tion support in Army operations, a high level and a low level of aviation in addition to the 1965 authorizations were examined in the context of overall Army operations in potential theaters of operations. In order to be completely objective, the capabilities of the other services to support Army operations were carefully considered and fully accounted for in determining the Army's overall requirements for aviation support.

Since the study focused upon the immediate future, primary emphasis was given to the examination of aviation capabilities in terms of existing equipment and that which was sufficiently developed to be capable of introduction into the Army inventory within the immediate future. For example, since the Army had recently standardized upon a new light observation helicopter, the OH-6, requirements for this type of equipment were developed on the basis of the capabilities of the OH-6.

## War Gaming

The outcome of the War Games and separate studies together with the review of more than 160 reference documents provided an overall measure of the effectiveness of aviation in the support of Army combat operations. With these inputs the *ARCSEA* study group made an exhaustive study of Army aviation requirements to satisfy each of the major functions of ground combat, i.e., command and control, reconnaissance and surveillance, fire support, maneuver, and logistics.

In addition, the management, maintenance, and other aviation support requirements of the Army were examined in sufficient detail so as to provide a basis for developing a complete "package." Underlying the study of each functional area was the premise that no aviation support was required unless it could be proven





## REVISED DISTRIBUTION OF AIRCRAFT (INF AND ABN DIVS)

	OH-6	Armd UH-1B	UH-1B	UH-1D	TOT.
Aviation Battalion					
Gen Support Co	4	6	0	2	12
Airmobile Co (Lt)				25	25
Division Rcn Squadron					
Air Cavalry Troop	9	11	6	0	26
Bde Hq & Hq Co (3)	4 (ea)	0	0	0	12
Div Arty Hq & Hq Btry	9	0	2	0	11
Support Command					
Acft Maint Co	0	0	0	2	2
<b>TOTAL DIVISION</b>	<b>34</b>	<b>17</b>	<b>8</b>	<b>29</b>	<b>88</b>

otherwise. Where aviation support requirements were identified, only those necessary for the satisfaction of sustained requirements were recommended to be organic to units with the balance of the support requirements being "pooled" at some higher echelon of command where aviation support could satisfy several "customers" without sacrifice in responsiveness.

One example of the functional studies can be found in the study of the command and control requirements of the divisional brigades. The day to day movement requirements of the company, battalion, and brigade commanders and their staffs were thoroughly examined under all representative combat situations.

Based upon this analysis it was determined that each brigade required the full-time use of three OH-6 aircraft on a daily basis. Considering the expected availability of the OH-6 to be 75%, the *ARCSA* study recommends the authorization of four OH-6's to be "pooled" in the brigade headquarters company of each brigade. (Current TOE authorize these brigades a total of six LOH's).

Another example of the functional area studies is found in the study of the maneuver requirements of the various Army divisions. In this examination it was found that in their normal roles the Armored and Mechanized Divisions had little opportunity to employ their currently authorized light air mobile companies on a sustained basis whereas the Infantry and Airborne Divisions have a sustained requirement for an organic aerial maneuver capability.

Highlights of the other functional studies are as follows:

- The requirement for Air Cavalry units for reconnaissance and surveillance was confirmed.
- OV-1 *Mohawk* surveillance aircraft are best employed in Corps "pools" to meet the requirements of all users including the divisions and Corps Artillery.

- There is a substantial requirement for fixed wing and rotary wing aircraft in underdeveloped areas for the battlefield distribution of supplies.

- The role of helicopter aerial ambulance units was confirmed.

After completing analysis of the functional area requirements, the *ARCSA* study group examined the integrated aviation support requirements of the divisions, corps, field armies, and the communications zone from division upwards through the theater of operations level.

### Interactions Examined

In these analyses, interactions between the requirements of the various functional areas were examined in order to strip out any duplications of capabilities. It was found that the most significant interaction occurs between that aviation required for maneuver and that aviation required for logistics purposes.

The aviation required for maneuver purposes within a Corps, for example, is sized primarily to meet the simultaneous lift requirements of a particular combat formation. Examination of the frequency of lift of these Corps' combat formations reveals a surplus of flying hour capabilities that can be devoted to battlefield logistics resupply in the same geographical areas. By virtue of this surplus capability a compensating reduction can be made in the aircraft requirements developed to move supplies in support of the same combat formations.

In sum, the *ARCSA* study makes extensive recommendations for the revision of aviation in the Army combat structure and in the supporting forces. These changes coupled with the rationale for the provision of aviation as developed in the study provide a new statement of requirements for budgetary and planning purposes. To the degree approved by DOD, these



## REVISED DISTRIBUTION OF AIRCRAFT (ARMD AND MECH DIVS)

	OH-6	Armd UH-1B	UH-1B	UH-1D	TOT.
Div Hq & Hq Co	4	0	0	2	6
Division Ron Squadron Air Cavalry Troop	9	11	6	0	26
Bde Hq & Hq Co (3)	4 (ea)	0	0	0	12
Div Arty Hq & Hq Btry	9	0	2	0	11
Support Command Acft Maint Co	0	0	0	2	2
<b>TOTAL DIVISION</b>	<b>34</b>	<b>11</b>	<b>8</b>	<b>4</b>	<b>57</b>

changes will be published in revisions of TOE and TDA of the units and activities affected.

In addition to the changes in aircraft authorizations, related changes will be made in personnel authorizations based upon the recently approved *Aviator Requirements Study* and by adoption of revised aircraft maintenance organizations based upon the good features of the ABC maintenance concept (as tested by the 11th Air Assault Division and 10th Air Transport Brigade) and the recent experiences of aviation units in Vietnam.

Revisions of TOE will also incorporate Air Traffic Control elements in divisions to work in coordination with Army Air Traffic Control Companies as recommended by a recent CDC study.

Although divisions (other than the Air Mobile Division) will not have organic fixed wing aircraft, these divisions will be provided with per-

sonnel and equipment to establish fixed wing air strips within the division area so as to provide termini for logistics resupply, courier, and other administrative fixed wing traffic.

The aircraft recommended for the Infantry and Airborne Divisions total 88 to be distributed as shown in *Figure 1*. The aircraft complement of the Armored and Mechanized divisions total 57 each, distributed as shown in *Figure 2*.

### Organizations Revised

The organization of Corps and Army aviation companies is to be revised substantially so as to provide "pooled" aviation resources to serve the requirements of units located in the Corps area, field army area and communications zone as well as reinforce divisions and other units having organic aviation on a mission basis.

*Figure 3* lists the nondivisional aviation units recommended by the *ARCSA study* with an indication of the nature of any changes. Non-divisional aviation units recommended for deletion are also listed.

The *ARCSA study* has been approved by the Chief of Staff and Secretary of the Army with minor revisions and the study is currently being reviewed at the Department of Defense level.

The extensive nature of the changes recommended by the *ARCSA study* will undoubtedly generate heated reactions in some quarters in that this study represents a "bare bone" rather than an "optimum" statement of requirements for Army aviation.

Nevertheless, the study does represent the best possible assessment in the light of present day knowledge geared to the other forces of the Army. On this basis the study provides a more solid foundation upon which the distillation of new experience and increased knowledge can be applied.

Despite the numerous changes recommended by the *ARCSA study*, the overall quantitative requirements for aircraft and personnel to support the recommendations represent only minor changes from objectives previously stated by the Army.

#### NON-DIVISIONAL AVIATION UNITS

	De- leted	New Unit	Re- tained
AVN GP HQ & HQ CO		X	
AVN BN HQ & HQ CO			X
AIRMOBILE CO (LT)			X
AIRMOBILE CO (MED)			X
HEAVY HELICOPTER CO (1)		X	
SURV CO (CORPS)(2)			X
ESCORT HEL CO (ARMED)(3)		X	
AIRMOBILE CO (FW)			X
AVIATION CO (CORPS)(4)			X
AVIATION CO (ARMY)(5)			X
AIR CAV TRP (SEP)(6)		X	
AIR AMBULANCE CO			X
AIR AMBULANCE DET (7)			X
CORPS ARTY AVN BTRY	X		
SPEC FRCS AVN CO(8)	X		
AVN CO, SEP INF BDE			X
AVN CO, SEP ARMED & MECH BDE (9)		X	

Remarks: (1) 9 CH-54's; (2) Major revisions, and tailored to the operational area; (3) 20 UH-1B aircraft; (4) Major changes; (5) Major changes; (6) Similar to the Division Troop; (7) Equipped with UH-1D's; (8) 4 OH-6 aircraft, 2 U-10 aircraft in the Special Forces Group; (9) 4 OH-6 aircraft in Brigade Hq & Hq Company.

# What features would you most like to see in a new ADF?



- Digital readout?**
- Zero-beat tuning?**
- Built-in test circuits?**
- Electronic switching?**
- Solid-state construction?**

## That's what we thought, too.

So we made sure that all five were included in the new Bendix® DFA-73 Automatic Direction Finder System. But we didn't stop there. We housed it in a neat, short  $\frac{1}{4}$  ATR case for easy installation and simple maintenance to make this new  $10\frac{1}{2}$  pound Bendix system ready to outdo any other ADF on the market.

Its digital readout lets you quickly find the specific frequency you want, number by number. And the audible zero-beat signal makes precise tuning far simpler. Just turn the tuning control until the tone goes to zero, and you're on frequency exactly.

Its built-in test circuitry lets you deter-

mine, on the ground or in flight, if the system is operating properly. A real pilot confidence builder. Its electronic switching does away with troublesome rotary switches, too. And its overall solid-state construction means less downtime, more profitable operation.

As for accuracy, low noise, and the ability to live in poor environments, well, they just don't come any better.

For more information about the Bendix DFA-73 contact your local dealer. Or write Bendix Radio Division, Avionics Products, Baltimore, Md. 21204. Other offices in Miami, Chicago, Wichita, and North Hollywood.

**Bendix Radio Division**





# REFUELING AN A



The expansion from the limited air mobility present in the ROAD Division to the complete air dependence under an air mobile division created many technical and tactical problems. One of the major problems that had to be solved in order to allow the tactical doctrine to be properly evaluated was the resupply and dispensing of aviation fuel.

It was originally recognized that without sufficient and properly located refueling points, the air mobile division would lack

much of its flexibility and quick reaction. The steps that were taken by the 11th Aviation Group to insure the solution to this problem will give some idea of the method used in formation of airmobile procedures and the findings that may be employed by other units.

Certain criteria were established for the division that will effect this study are that all supplies would be brought in by air and that units must be kept to the lowest possible weight to achieve maximum air mobility. The concept for bringing fuel to the brigade and aviation battalion bases worked as originally planned. CV-2 aircraft would fly in the fuel from the rear to brigade air fields located normally 50-75 miles behind the Forward Edge of the

---

**BY**  
**CAPT. ROBERT PARKER**

---



# RMOBILE DIVISION



Battle Area (FEBA). At this point some of the fuel would be stored in tank farms and the rest would be delivered by CH-47 Chinooks to the battalion bases, which normally were 25-50 miles behind the FEBA.

## Drums Redesigned

The only developmental change required was the redesign of 500 gallon collapsible rubber fuel drums which were the basic fuel transportation container. The standard drum was too long to fit lengthwise into a CV-2. The drum was shortened to allow winching into the Caribou, thus increasing efficiency and reducing time.

In the delivery of fuel to the battalion bases, new slings were designed for the CH-47 for ease of handling the three drums

that were carried externally. In the battalion base area, fuel was dispensed by the few organic fuel tankers or at a number of refueling points that were established by attaching the organic 50 GPM fuel pumps directly to the 500-gallon drums in which the fuel was delivered.

The major problem area encountered was in the 25-50 miles between the battalion base and the supported units. It became evident early that due to the great forward and lateral distances and the normal practice of logging aircraft with the supported unit, forward refueling points would have to be established to enable aircraft to accomplish their missions. The supported unit

BEECH "IMAGINUIITY" IN MANNED AIRCRAFT



## *New "off-the-shelf" flying classroom pilots—the speedy, roomy Beechcraft*

**Accepted and approved** by the U. S. Army as its new twin-engine instrument and transition trainer, the Beechcraft T-42A is now under contract for "off-the-shelf" delivery.

**When pilots train** and maintain proficiency in instrument flying in the Beechcraft T-42A instead of larger aircraft, savings in operating and maintenance costs can add up to hundreds of thousands of dollars.

**Check these advantages** the Beechcraft T-42A offers to training and proficiency programs:

**High speed.** Gets students to training areas faster. Powered by two 260 hp Continental fuel injection engines, the Beechcraft T-42A has top speed of 205 knots and cruising speed of 195 knots.

**Long nonstop range** of over 1,000 nautical miles with full load—even under instrument flying conditions—makes possible longer, more productive training missions.

**Large cabin** permits multiple student sessions. Seats up to 6 in comfort and roominess. Exceptional visibility.

**Extremely stable** at all speeds. Outstanding single-engine performance.

**The Beechcraft T-42A** has the best combination of speed, range, comfort, carrying capacity and structural strength.

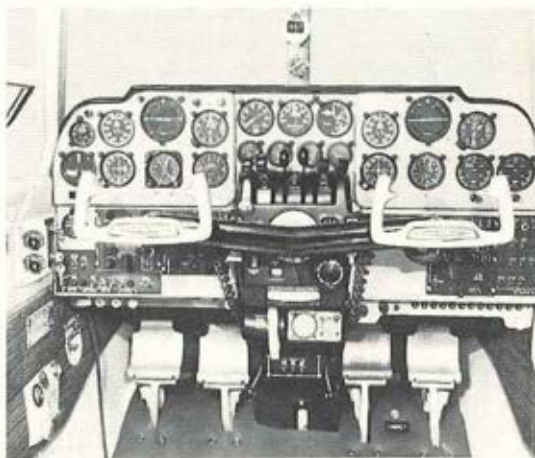
**Beech is proud** that the famous Baron has joined the many other Beechcrafts serving the country. For more facts, write, wire or phone: Beech Aerospace Division, Beech Aircraft Corp., Wichita, Kansas 67201, U. S. A.





## for U. S. Army T-42A:

Beech Aerospace Division projects include R & D on manned aircraft; missile target and reconnaissance systems; complete missile systems; space systems management; programs pertaining to liquid hydrogen propellants and cryogenic tankage systems; environmental testing of missile systems and components; and GSE.



*There's plenty of room for equipment in the T-42A, including dual omni; UHF; ADF; dual RMI; glideslope and marker beacon; transponder and standby VHF transmitter. Complete dual controls, including yoke, brakes and nose steering are standard equipment. Other standard items include all-weather equipment—including de-icing and anti-icing—plus oxygen and unfeathering systems.*

# Beech Aerospace Division

BEECH AIRCRAFT CORPORATION • WICHITA, KANSAS 67201



**HELPING BUSINESS GROW FASTER:** Only Beechcraft offers such a complete line of planes with so much speed, range, comfort and quiet to help business multiply the money-making decisions that each top man can make. That's how thousands of Beechcrafts have paid for themselves.

**EXECUTIVES:** Write today for free booklet, "Answers To The 19 Most Asked Questions About Business Flying." It could point the way to major new profits for your company. Address Beech Aircraft Corp., Marketing Services, Wichita, Kansas 67201, U. S. A.



has no equipment that could be used to refuel aircraft nor does it have the means to carry any. The supported unit could be counted on for security only.

The establishment of a semi-permanent refueling area similar to brigade or battalion base would be too easily detected, vulnerable, and too inflexible for front line use in an air mobile division. This method was never used. The next most logical method was for each aviation battalion to take their gas dispensing pumps and 500-gallon drums of fuel forward to establish refueling points.

This practice still had most of the disadvantages of the semi-permanent base and in addition it was impractical with organic equipment. The 50 GPM pumps weighed 450 pounds and refueled a UH-1 aircraft in 2-5 minutes. For a 1 or 2 aircraft mission this might be acceptable, but most missions were platoon or company size (8-24 aircraft). To refuel a company in 10 minutes would require 8 pumps or 4000 pounds of equipment and to refuel with 1 pump would take up to 1 hour and twenty minutes. Neither the time nor weight required were compatible with the airmobile concept.

## Mobile Gas Station

Another solution was to have the CH-47 internally loaded with a 2000 gallon pillow tank for operation as mobile gas station. With this equipment 5 UH-1 aircraft could be simultaneously refueled in 5-10 minutes. This system operated very successfully and has many uses, but the permanent loss of a number of CH-47's for purely refueling of aircraft is a high price to pay.

At this time one of the items the Test Evaluation Control Group brought out for testing was a 30-40 GPM farm pump that

---

## About the Author

Captain Robert Parker was assigned to the 11th Air Assault Division, Ft. Benning, Ga., when this article was written.

weighed 9 pounds. This pump complete with hose, nozzle, and go no-go gauge weighed 42 pounds versus 450 for the present 50 GPM. The pump engine ran on MOGAS, AVGAS, diesel, or JP4. The maintenance required and the cost of the pump were negligible, so organizational maintenance was eliminated and the item could be replaced on a direct exchange basis. These pumps were put through extensive tests and functioned perfectly.

## Individual Capability

Now with the weight, cube, and cost of the refueling pumps reduced approximately one tenth of the standard pumps, each aircraft could be equipped with its own refueling capability. Now all that had to be done for refueling was to preplace fuel at the supported units and any aircraft could land and start refueling itself in one minute. If sufficient fuel was prestocked in the forward areas, the aircraft would be completely independent of ground support for refueling.

Missions could not be delayed or restricted by lack of refueling areas and the aircraft could live continually with the supported units. Frequently units still set up temporary refueling points to facilitate the operation of large missions, but either way the aircraft were flexible and could change missions or landing zones in flight.

## Tried and Proven

During *Air Assault II* these methods were tried and found extremely successful. The CV-2s brought in all the fuel used by over 500 aircraft in all the missions for two months. The CH-47 Chinooks kept all battalions, prestock points, and supported units supplied with their fuel. The CH-47 flying gas station was used as a back-up and primary refueling facility on long penetrations.

The new gas pumps enabled aircraft to be independent of established helicopter fields or airfields, to live with the supported unit, and remain continually flexible. The division never failed to perform a mission because of the lack of fuel.

BY CARLOS C. WOOD  
Vice President, Engineering  
Sikorsky Aircraft Division



# AAAA PANEL PRESENTATION

*How rotary wing  
aircraft fit into  
today's concept  
of transport and  
weapons systems*

Any discussion as to how different aircraft systems fit into today's situation must start either explicitly or implicitly with consideration of the world situation in which we find ourselves, both now and for the foreseeable future.

The most certain thing that can be said about the world situation is that it is unstable. Ever since World War II we have seen conflicts between nations that have ranged almost throughout the complete scale of violence. At times the violence level has been essentially zero and the international warfare has been primarily along economic lines.

## Varying Levels

Fortunately, we have not seen the catastrophic violence of holocaustic nuclear warfare, but in Korea, Vietnam, Africa, and the many other conflicts that have plagued this world of ours since World War II, there have been warfare conditions of varying levels of violence and of varying levels of sophistication.

In thinking about what this has meant from the standpoint of aircraft requirements, several general statements appear to be valid.

The need of maximum speed and range of weapons increases directly with the level of violence, being maximum in case of holocaustic nuclear warfare, particularly for the initial strike. This is obviously the reason for the development of the accurate long range hypersonic missiles.

## Flexibility Required

In general, the lower levels of violence require higher capability of flexible operation of aircraft systems. In this context aircraft systems include not only the aircraft themselves, but the facilities that are necessary for proper operation of the aircraft.

From this we can see that no single type of aircraft system can completely meet the needs to counter these different levels of violence.



A little thought also shows us that there is a considerable interdependency between the various types of systems required for various levels of violent warfare.

More and more nuclear capability is being developed by the various nations of the world and it seems quite clear that only the nuclear capability of the United States has been able to establish and maintain a situation that has prevented other nations from unleashing nuclear warfare upon us. Only the nuclear capability of the United States has been able to force those military operations that have been undertaken in the last two decades to be less than all out.

As a result, it can be stated that present warfare has not become all out warfare only because our own nuclear delivery capability furnishes an overall umbrella under which our forces can operate throughout a more conventional war.

## Target Location

Lower levels of warfare have some extremely difficult problems, beginning with the problem of locating the target. Experience has shown that in many cases targets cannot be located and isolated properly if the only available mode of operation of the aircraft involved is a high speed mode.

However, the fact must be faced that those types of aircraft that can operate at very low speeds are generally incapable of operating at very high speeds. It is thus necessary that provisions be made to provide an umbrella of local air superiority so that these lower speed machines can operate satisfactorily. This local umbrella, it appears, must be furnished by tactical air forces in order that local operations may be feasible.

## Dual Capabilities

Under this local umbrella at lower levels of warfare against guerrillas, against situations where enemies and friends are mixed together, under situations where there is not much of a formal order of stand-up

battle, under situations where operations are fluid, it is necessary to have aircraft that have the ability to operate from advanced, rapidly moving, and primitive bases while at the same time having the ability to operate slowly and sometimes even stop in flight while at the same time having the capability to move at reasonable combat speeds.

These abilities, plus the capability to apply discreet but potent force at specific points, are a must for lower warfare levels to keep these lower warfare levels from growing to larger levels. This type of aircraft is essentially a part of ground force firepower and ground force mobility needs. Friendly troops must have this support for mobility and for firepower protection in order to be effective, particularly in such a fluid situation, where forward bases are continually on the move and thus have no time for build up.

## Key to Success

It appears obvious from the experiences of the last decade that mobility is a key to successful countering of indigenous forces when they are ground-bound and is absolutely essential if the enemy becomes unground-bound and gets mobility himself. Mobility is essential to provide surprise and to reduce the time-lag of response to enemy action. Both of these are essential to successful operation in less than all out war.

At present, the rotary wing machine is the only practical type of aircraft that provides this extremely mobile means of operation in forward and unprepared areas. The present situation shows the need for improved performance (payload, range, speed, hover at temperature and altitude) both for transport and firepower machines.

Day-night-IFR operations are a must. Improved navigation accuracy is necessary for all types. Improved fire accuracy is essential for firepower machines. Ability to live, be maintained, and have fast turnabout time under primitive conditions with absolute minimum forward base facilities is essential.





### MID-AIR REFUELING

Army Mohawk aircraft have been refueled in the air for the first time utilizing Marine Corps KC-130F tankers in early February tests held at Cherry Point, N.C.. Modification of the Mohawk OV-1B for inflight refueling, thus extending its range, can save time and money in dismantling and shipping of the Mohawks to overseas areas.

During the last several years, rotary wing development has been along these lines. Improved reliability and availability, together with great improvement in mission reliability are now available with greatly reduced necessity for maintenance and support equipment. It should be mentioned that in large part this development has resulted from the high rate of utilization of rotary wing aircraft in scheduled commercial operations.

These improved characteristics are being combined with a doubling of speed, endurance, and payload, together with application of more complete navigation and avionics than heretofore; more and highly accurate firepower, a larger envelope of operating capability under more severe environmental conditions including day-night-IFR and low vulnerability to enemy action, and with a lower level of training and logistics requirements.

This is resulting in the rotary wing aircraft capability coming ever closer to needs and rotary wing aircraft are now showing their value in existing military operations.

With continued development as presently planned, we can expect that rotary wing aircraft will be even more valuable, not only under today's combat conditions, but practically all future combat conditions, including all-out war.

In summary, under existing warfare conditions ground forces need rapid transport of personnel, material, and applied firepower in machines integral with and based with the ground forces themselves. Rotary wing aircraft are showing today that they are highly desirable for these uses. With the application of advanced rotary wing aircraft incorporating further improvements now technically feasible, this type of aircraft will be indispensable to the ground forces.

# BELL PLANT DIVISION AVCOM

Since the entire name is probably too long for the door, Lt. Col. Frame J. Bowers, Jr., and his personnel at Fort Worth, Texas, call themselves the Bell Plant Division. And with the usual governmental penchant for alphabetic combinations, that winds up most often as just plain BPD.

The division is a part of the Directorate of Procurement and Production, Army Aviation Materiel Command, St. Louis. In effect, however, it is more than an Army office, as it represents Bell's largest customer — the U.S. government. BPD also helps administer contracts for allied governments, when requested to do so.

During the two years since its establishment as the first Army aviation plant cognizance office, BPD has grown to a force of 87 personnel — eight officers and 79 civilians — divided among six branches. These branches — Contracts, Administration, Flight Test, Engineering, Production and Industrial, and Quality — are an indicator of the functions they perform.

Among BPD's duties are price negotiation for repair parts and contract changes, interpreting contracts and approving sub-contracts, reviewing all Bell engineering drawings for military aircraft, insuring a quality control system that results in deliveries being on time, doing acceptance flight testing, and notifying the customer when his helicopters are ready for delivery.

Current production at Bell includes OH-13's, OH-13T's, UH-1 B's and D's for the Army; UH-1E's for the Marine Corps, UH-1F's for the Air Force, and UH-1B's for the Australian government.

CWO James O. Goldsberry, a test pilot at the Bell Plant Division, is not shown in the photo chart on the opposite page.

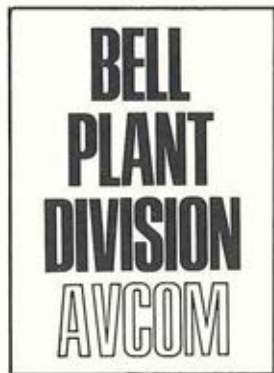
For many of the civilians, the change from Navy plant cognizance to Army merely meant a change in who made out their checks. They may not all sing "Deep in the Heart of - - -," with a Texas accent, but BPD personnel are enthusiastically doing a good job and it is doubtful that they would trade with anyone else.



Lt. Col. Frame J. Bowers  
Chief



Lt. Col. Milton D. Dalpino  
Executive Officer



Maj. John R. Brown  
Special Projects Officer



Maj. James O. Woodard  
Special Projects Officer



Capt. Nicholas P. Stein  
Special Projects Officer



Capt. Lawrence R. Dewey  
Chief, Flight Test



CWO Kyle Spaulding  
Test Pilot



CWO Edward L. James  
Test Pilot





**AIR CAV..**



# Revolution in Tactics...and the Hueys were there!

For the first time in history, an infantry division — the U. S. 1st Cavalry (Air Mobile) — fought a sustained, weeks long battle using helicopters as its basic means of battlefield transport.

Military tacticians who followed the combat reports see this test of the airmobile concept as one of the most significant actions since World War II...a revolution in the conduct of land warfare comparable to the dispatch of German tank divisions into Poland in 1939.

Night movement of troops into night battle and close support from Huey-mounted airborne artillery is credited with turning the tide of battle against the Viet Cong. Helicopters were able to deliver decisive firepower and manpower in the most critical areas of the battlefield at the most critical time of the battle.

Bell helicopters have been in the Army inventory since 1946 and have matched their improved capabilities with the advancing requirements of the nation's military effort.

**bh** **BELL HELICOPTER**  
FORT WORTH, TEXAS • A **Textron** COMPANY



WORLD  
STANDARD  
**bell**  
HELICOPTERS



## AAAA PHOTOS



### CORPUS CHRISTI

■ THE RICHARD H. BITTER CHAPTER HELD THEIR ANNUAL CHRISTMAS DINNER-DANCE IN MID DEC. ONE OF THE HIGH POINTS OF THE EVENING WAS THE PRESENTATION OF THE HANDSOME PLAQUE, SHOWN ABOVE, TO THE HONORABLE JOHN YOUNG, MEMBER OF THE U.S. HOUSE OF REPRESENTATIVES. CONGRESSMAN YOUNG WAS CITED FOR HIS OUTSTANDING INTEREST AND CONTRIBUTION TO ARMY AVIATION. (U.S. ARMY PHOTO)



### ATLANTA

■ THE ATLANTA PLAYBOY CLUB WAS THE SCENE OF DECEMBER FESTIVITIES ATTENDED BY AAAA MEMBERS OF THE ATLANTA CHAPTER. THE EVENING EVENT WAS WELL ATTENDED, NOT QUITE BY ACCIDENT. SHOWN ABOVE LEFT TO RIGHT ARE: BUNNY PAULA, MRS. MACDONALD, MAJOR H.F. MACDONALD, MRS. R.K. DILLON, MRS. SMITH, MAJ. M.D. SMITH, AN UNIDENTIFIED BUNNY, AND CAPT. R.K. DILLON. (BUNNY PHOTO)



### FORT SILL

■ THE FORT SILL CHAPTER HELD ITS ANNUAL FORMAL CHRISTMAS BALL IN LATE DECEMBER. THE DINNER-DANCE WAS HOSTED BY COLONEL FREDERICK C. GOODWIN, CHAPTER PRES., AND SPECIAL GUEST SPEAKER, COL. (RET.) ROBERT M. LEICH. COL. LEICH, WHO WAS WITH THE FIRST TEST GROUP IN 1942, GAVE A FLASHBACK ON THE EARLY FLYING DAYS AT POST AAF. SHOWN ABOVE L. TO R.: MRS. GOODWIN, COL. LEICH (STANDING), COLONEL GOODWIN, AND MRS. ROBERT LEICH.



### FORT BENNING

■ THE FT. BENNING CHAPTER'S JANUARY MEETING WAS ATTENDED BY 372 MEMBERS AND THEIR GUESTS. PRINCIPLE SPEAKER OF THE EVENING WAS MR. CHARLES BLACK, REPORTER FROM THE COLUMBUS LEDGER-ENQUIRER, WHO ADDRESSED THE GROUP ON HIS EXPERIENCES IN VIETNAM. SHOWN ABOVE FRONT ROW L. TO R.: COL. W.M. ZIMMERMAN, MR. BLACK, COL. J.E. SWENSON, MAJ. W. JENKINS; BACK ROW: COL. R.E. GILE, GEN. O. G. GOODHAND, GEN. R.H. YORK, AND MAJ. J. FUST.





# THE MONTH'S TAKEOFFS

## GENERALS

SENEFF, George P., BGen  
Hq, USARV  
APO San Fran 96307  
WRIGHT, John M., BGen  
ADC, 1st Cavalry Div  
APO San Fran 96490

## COLONELS

ALBRIGHT, C.R.  
6369 Cavalier Corridor  
Falls Church, Va. 22044  
CONTOLE, William S.  
STRIKE Cmd, USA  
MacDill AFB, Florida  
EVERS, Raymond R.  
USCONARC, ODCSLOG  
Fort Monroe, Virginia  
NEWTON, Albert  
Hq, 107th Trans Brigade  
APO New York 09154  
NIELSEN, Edward L.  
6534 Marlo Drive  
Falls Church, Va.  
WEBB, Hugh W.  
9318 Brambly Lane  
Alexandria, Va. 22309

## LT. COLONELS

BAKER, Harold L.  
USA AVLABS  
Fort Eustis, Va. 23604  
BARRATT, Robin M., Jr.  
Hq, N Bavaria District  
APO New York 09696  
BLACK, William G.  
18 Faith Lane  
Ft. Rucker, Ala. 36360  
CLANCE, Charles L.  
Hq, USARPAC, ICP  
APO San Fran 96558  
COLE, Philip J.  
4600 S Four Mile Run Dr.  
Arlington, Va. 22204  
DAVENPORT, James D.  
37-A Bernard Road  
Ft. Monroe, Va. 23351  
DOBSON, Robert R.  
510 Kingston Hall Court  
Hampton, Va. 23669  
EASLEY, Charles L.  
1030 Carver Street  
Fayetteville, N.C. 27301  
HAYES, Theodore C.  
Amer. Embassy, Off Def  
APO New York 09319  
HUEBNER, Otto W.  
321 Magruder  
Mineral Wells, Texas

## LT. COLONELS

JOHNSON, Woodbury  
USA Proj Mgr, Lockheed  
Van Nuys, California  
JONES, Harry L.  
S&M Agency, DMD  
APO New York 09063  
KAMARAS, John G.  
Hq, USMACV, J-4  
APO San Fran 96243  
KEEBAUGH, Harold G.  
2431 Walker Street  
Columbus, Ga. 31903  
KELLAR, Robert S.  
HHC, 229th AHB, 1st CD  
APO San Fran 96490  
KENNEDY, James E.  
5800 B Belmoor Drive  
Austin, Texas 78723  
LECHNER, Roy J.  
Hq, S Bavaria District  
APO New York 09178  
LEIGHTON, Henry P. Jr.  
6220 Bren Mar Drive  
Alexandria, Va. 22312  
MACKMULL, Jack V.  
3151 Siron Street  
Falls Church, Va.  
MORROW, Jack G.  
Qtrs 2938-B Somerall Rd  
Fort Eustis, Va. 23604  
RITZ, Donald J.  
2126 McArthur  
Colorado Springs, Colo.  
SANDERS, Neal W.  
Fort Buckner Flight Det  
APO San Fran 96331  
SMITH, James C.  
90th Replacement Bn  
APO San Fran 96307  
SMITH, Richard C.  
5962 McCully Drive  
Fort Hood, Texas 76540  
SNYDER, Paul B.  
5039 8th Road South  
Arlington, Va. 22204  
STANFIELD, John T.  
5249 Gettysburg Way  
Columbus, Georgia  
SWILEY, George R.  
10 Lakeside Drive  
Greenbelt, Md. 20770  
TOWNSEND, Delbert L.  
Ft McNair, Bx181, ICAF  
Washington, D.C.  
ULERY, Vincent L.  
ACTIV, SF-1820  
APO San Fran 96243  
WALTER, Frederick K.  
201 Ridge Road  
Weatherford, Texas

## LT. COLONELS

WOLFE, Alfred J.  
300 E. Queens Drive  
Williamsburg, Va.

## MAJORS

ADAMSON, George W.  
4010 Merrywood Drive  
Columbus, Ga. 31907  
ADDISS, Daniel A.  
129th Aviation Company  
APO San Fran 96312  
ALLGOOD, Charles N.  
Depot Maint Div, SMA  
APO New York 09063  
ANDERSON, John H.  
1307 D Stonleigh Ct Apts  
Leavenworth, Kansas  
ASHTON, Stuart T.  
10336 Layton Hall Drive  
Fairfax, Virginia  
ATCHINSON, Eulen D.  
Route 2, Box 533  
Slidell, La. 70458  
ATKINSON, Robert V.  
4518 Eggers Drive  
Fremont, California  
BAILEY, Richard R.  
121 Circle Hill Drive  
Clarksville, Tenn. 37042  
BARBOUR, Frank P.  
2315 NW 3rd Avenue  
Mineral Wells, Texas  
BARKSDALE, Clifford B.  
HHC, 11th Avn Gp, 1st CD  
APO San Fran 96490  
BAYNARD, Richard A.  
HHC, 2/20 Arty, 1st CD  
APO San Fran 96490  
BENSON, Albert G.  
125 Grandview Place  
San Antonio, Texas  
BILLMAN, Ervin L.  
559-A Fairfax Village  
Fort Belvoir, Va. 22060  
BILLY, Myron D.  
302 Pike Road  
San Antonio, Texas  
BLANKS, Richard E., Jr.  
2137 Cnghm Dr, Apt 203  
Hampton, Va. 23366  
BOURGEOIS, Randolph C.  
8709 Kenilworth Drive  
Springfield, Va. 22151  
BRETZ, Robert D.  
175th Aviation Company  
Fort Benning, Georgia  
BUCK, William L.  
183rd Aviation Company  
Fort Hood, Texas 76545

## MAJORS

BURNETT, Clark A.  
2022-B Seneca Street  
Leavenworth, Kansas  
BURNS, Sumner C.  
634-D 13th St. Terrace  
Leavenworth, Kansas  
BURTON, Kenneth J.  
58 Endl Avenue  
Ft. Rucker, Ala. 36360  
BUSH, Donald C.  
327-D Scott Place  
Ft. Riley, Kansas 66442  
BYERS, Ben A.  
282nd Aviation Company  
Ft. Benning, Ga. 31905  
CAMPBELL, Harold T.  
1945-A Hagood Street  
Fort Eustis, Va. 23604  
CAMPBELL, William A.  
2447 H. Wurzbach, K 250  
San Antonio, Texas  
CARR, Edwin O.  
P.O. Box 368  
Fort Rucker, Ala. 36360  
CARROLL, Anthony  
Hq, 11th Avn Gp, 1st CD  
APO San Fran 96490  
CASE, Onore E.  
2 Indian Springs Drive  
Newport News, Va. 26306  
CHRISTIAN, Cecil G., Jr.  
3661 Wabash Avenue  
Baltimore, Md. 21215  
CHRITTON, William R., Jr  
Route 1, Box 553-B  
Mineral Wells, Texas  
CLARK, Denzel L.  
Route 2, Emerald Drive  
Killeen, Ala. 35645  
COLE, David A.  
405 Trans Det  
APO San Fran 96238  
COLLINS, Marion H.  
11th Engr Gp, Avn Det  
APO New York 09081  
COOK, Duncan S.  
23 Michael Street  
Fort Rucker, Ala. 36360  
CORLEY, William L.  
USA Avn Test Activity  
Edwards AFB, Cal 93523  
CORNEIL, Robert F.  
Hq, DUSAAB  
Fort Belvoir, Va. 22060  
CORY, Rennie M.  
1937 Wendover Drive  
Fayetteville, N.C. 28304

## MAJORS

CRAIN, Cleatis M.  
1st Aviation Detachment  
APO San Fran 09253

CRAWFORD, James C.  
443 Henson Avenue  
Columbus, Ga. 31907

DAVIDSON, Billie A.  
1002 Lockhaven  
Montgomery, Ala.

DAVIS, Neece V.  
1120 Kiowa Street  
Leavenworth, Kansas

DAVIS, Robley W., Jr.  
Box 306  
Kingfisher, Okla. 73750

DIMSDALE, Arthur  
1212 NW 7th Avenue  
Min. Wells, Texas 76067

DOBSON, Dale E.  
1013 Sixth Avenue  
Leavenworth, Kansas

DOUCETTE, Roger A.  
200 Arch Street  
Leavenworth, Kansas

EVANS, James L.  
8823 East Fairview  
San Gabriel, Cal. 91775

EYMAN, Robert F.  
1803 NW 5th Avenue  
Min. Wells, Texas 76067

FARMER, Garry H.  
2505 SE 11th Street  
Min. Wells, Texas 76067

FITCH, John B.  
USACDCARMA  
Fort Knox, Ky. 40121

FLEMING, Charlie F.  
33 Johnson  
Fort Rucker, Ala. 36360

FOX, Joseph H.  
MACV  
APO San Fran 96307

FRANZNICK, John R.  
1271 Pembroke Lane  
Topeka, Kansas 66604

FRINKS, Charles P.  
231 Magruder  
Min. Wells, Texas 76067

GIMPLE, Lloyd A.  
3616 Espeso Street NE  
Albuquerque, N.M. 87104

GOFF, Richard D.  
4203 Winchester Drive  
Mobile, Alabama

GONZALES, Orlando E.  
8419 Riverside Road  
Alexandria, Va. 22308

GROW, Robert M.  
220 Miami Street  
Leavenworth, Kansas

HACKBARTH, Floyd E.  
1408 North Shore Drive  
Clear Lake, Iowa

HALE, Warren C.  
2315 Peerless Road  
Cleveland, Tennessee

HAMMOND, John A.  
369-D Delaura Drive  
Newport News, Va. 23602

## MAJORS

HAMMONS, Dale E.  
24 Buckner  
Ft. Leavenworth, Kans.

HAWK, Robert T.  
F Btry, Avn, 26th Arty  
APO New York 09175

HAWKINS, Billy R.  
1974 B Patton  
Fort Eustis, Va. 23604

HAXTON, Owen V.  
116th Aviation Company  
APO San Fran 96345

HEAD, Robert L.  
1135 Spruce Drive  
Florissant, Mo. 63031

HELFFENBERGER, F.H.  
1826 Shawnee Street  
Leavenworth, Kansas

HENLEY, Raymond D.  
53 Kirby  
Fort Rucker, Ala. 36360

HODGE, Harold L., Jr.  
15th Trans Battalion  
APO San Fran 96490

HOGAN, Wayne C.  
162nd Aviation Company  
Fort Benning, Ga. 31905

HOLLERAN, Raymond F.  
1027 Findley Dr., Apt 26  
Pittsburgh, Pa. 15221

HUDSON, Charles F., Jr.  
Hq, USA S&M Agency  
APO New York 09063

HUTCHINS, Charles F.  
2139 Raymond Drive  
Lansing, Michigan 48906

HUTH, Walter H.  
719 6th Avenue  
Leavenworth, Kansas

JACOBS, Norman P.  
2958 Avondale Road  
Columbus, Ga. 31903

JENSEN, Frank L., Jr.  
3902 Denver Avenue  
Lawton, Okla. 73501

JOHNSON, Clifford E.  
1550 Stark 11  
Columbus, Georgia

JOHNSON, Jack O.  
12 Castle Way  
Fort Rucker, Ala. 36360

JONES, Isaac R.  
5964-1 McCully  
Fort Hood, Texas 76540

JUNKO, Allen L.  
76 N Harris Drive  
Fort Rucker, Ala. 36360

JUTZ, Donald G.  
740 Spruce Street  
Leavenworth, Kan 66048

KALINA, John M.  
USAPHS  
Fort Wolters, Texas

KASTNER, Joseph H.  
10th Aviation Group  
Fort Benning, Ga. 31905

KEAN, John J.  
HHD, USARV, Rt 100  
APO San Fran 96307

KEILMAN, Richard A.  
Hq, 8th USA Avn Section  
APO San Fran 96301

## MAJORS

KELLAR, Robert H.  
E Btry, 82d Arty, 1st CD  
APO San Fran 96490

KELLOSGAN, Kenneth E.  
116th Aviation Company  
APO San Fran 96345

KEMP, Paul E.  
HHD, 765th Trans Bn  
APO San Fran 96291

KENT, George S.  
USA S&M Agency, DMD  
APO New York 09063

KING, Edward  
2122 Menoika Pl, Apt B  
Fort Eustis, Va. 23604

KNIGHT, Bobby M.  
178th Aviation Company  
Fort Benning, Ga. 31905

KNOWLES, George E., Jr.  
USAPHS Flight Division  
Fort Wolters, Tex. 76067

KNUDSEN, Joseph R.  
1116 Joyce Street  
Rolla, Missouri 65401

LAUTZENHEISER, R.D.  
1308 Larboard Court  
Uniondale, N.Y. 11553

LEACH, Erle J.  
207 N 6th Street  
Redmond, Oregon 97756

LEDGERWOOD, William E.  
1548 South Frederica  
Clearwater, Florida

LIEBL, Arthur F.W.  
515 Howard Street  
Fort Rucker, Ala. 36360

LILIKER, Thomas W.  
Hq, 12th Avn Gp, USARV  
APO San Fran 96307

LINMAN, Leland J.  
Hq, 52nd Aviation Bn  
APO San Fran 96318

LITTLE, Myron W.  
S&M Agency, SMES  
APO New York 09063

LORENZ, Dwight L.  
USARV, Aviation Section  
APO San Fran 96307

LOUIS, John J.  
53 Logan Street  
Fort Rucker, Ala. 36360

LOVETT, John A.  
2112 East 12th Street  
Topeka, Kansas

MATHISON, Theodore E.  
Highview Avenue, RFD 1  
Basking Ridge, NJ 07920

MAYSE, Harvey C.  
621 Dry Creek Road  
Monterey, Cal. 93942

McCONNELL, James  
HHD, 24th Aviation Bn  
APO New York 09112

McCOY, Harvey C.  
116th Aviation Company  
APO San Fran 96345

McCRANIE, Asa C.  
621E 13th Street Terrace  
Leavenworth, Kansas

McDONALD, Harold F.  
27 Holland Park Dr, Rt 1  
Ellenwood, Ga. 30049

## MAJORS

McDONALD, James A.  
HHC, 229th AHB, 1st CD  
APO San Fran 96490

McGEE, Charles F.  
Hq, 32nd Engr Group  
APO New York 09122

McILWAIN, George W.  
C&SG  
Ft. Leavenworth, Kansas

McKENZIE, Colin W., Jr.  
121st Aviation Company  
APO San Fran 96296

McNEESE, Luna V., Jr.  
705 Michael Lane  
Mineral Wells, Texas

McWHORTER, James H.  
Aviation Office  
Fort Knox, Ky. 40121

MESNIER, Charles R.  
8021 Troost  
Afton, Mo. 63123

MILLER, Frank H.  
161st Aviation Company  
APO San Fran 96238

MILLER, John J.  
3043 Ferris Circle  
Marina, Cal. 93933

MITCHELL, James L., Jr.  
1900 Mary Drive  
Eules, Texas 76039

MIYAMOTO, A.A.  
162nd Aviation Bn  
Fort Benning, Ga. 31905

MIZELL, Louis L.  
498th Med Co (Hel Amb)  
APO San Fran 96318

MOFFETT, David H., Jr.  
1985 King George La. SW  
Atlanta, Georgia 30331

MOLKENBUHR, Seamon J.  
170th Aviation Company  
APO San Fran 96238

MOORE, Francis D.  
106 Walnut Drive  
Enterprise, Alabama

MOORE, Peter W.  
4801 D Parkway  
Sacramento, Calif. 95823

MORRILL, George H.  
1341-D Stoneleigh Court  
Leavenworth, Kansas

MORRIS, Hubert  
2941 Luckie Street  
Columbus, Ga. 31905

MOSELEY, Henry G.  
Det B, 1Bn, School Bde  
Fort Knox, Ky.

MOSELEY, Robert L.  
HHD, 145th Aviation Bn  
APO San Fran 96307

MURDOCH, William L., Jr.  
3853 Rockdale Drive  
Columbus, Ga. 31907

NADEAU, Frank W.  
14 Stiltwell Avenue  
Ft. Leavenworth, Kansas

NEAMITZ, John C.  
304 Blacklatch Lane  
Camp Hill, Pa. 17011

NICHOLSON, Allison L.  
179th Trans Company  
APO San Fran 96238



# AWARDS AND

# Decorations

## DISTINGUISHED SERVICE CROSS

Fraker, William W., Capt

## LEGION OF MERIT

Ellis, Clarence H., LCol  
Hammarstrom A.F., LCol\*  
Henderson, Lewis J., Maj  
Lomax, Arthur K., LCol

## DISTINGUISHED FLYING CROSS

Bostdorf, John M., Lt  
Boyce, John W., Sgt  
Brown, John L., Capt  
Campbell, Paul M.  
Carlson, Billy H., Maj  
Clark, David, Capt  
Clark, Donald R., Capt\*  
Copeland, Francis A., Maj  
Cunzeman, Douglas W., WO  
Dorsey, James J., Lt  
Fraker, William W., Capt  
Goodwin, Charles R., PFC  
Gordon, Charles D., Maj  
Kennedy, Richard J., LCol  
Knowlton, Don G., WO\*  
Kuykendall, Wm K., Capt, 1  
Kyle, George W., Capt  
Lee, James M., WO, 1  
McDonal, Wesley, SP5\*  
Macklin, Ronald W., WO\*  
Miller, Robin K., Capt  
Molnelli, Robert F., Capt  
Raxton, Kent F., WO  
Roaine, Franklin D., SP5\*  
Scott, James T., Lt  
Sherrill, Vann D., CWO\*  
Simpson, James H., CWO  
Tucker, Ralph D., Jr., PFC  
West, Gerald L., Capt\*  
Young, Paul, III, Lt, 2

## SOLDIERS MEDAL

Delashmatt, Walter E, SFC  
De Rosa, Ronald, SP4  
Dustin, George M., Capt  
Halcomb, Johnny, PFC  
Kwiatkowski, Henry M, SSgt  
Licha, Charles A., Maj  
Morrison, Anthony D., Capt  
Waters, Steven J., Jr., SP4

## BRONZE STAR

Burke, Paul W., Capt  
Carlson, Billy H., Maj  
Childers, Jerry W., Capt  
Christie, Thomas C., Maj  
Connell, Thomas E., Maj  
Connolly, John R., Capt  
\* Posthumous Award

## BRONZE STAR

Connors, Edward J., CWO  
Degner, Herbert L., Capt  
English, Wendell D., CWO  
Grinstead, John B., Capt  
Hall, James A., Capt  
Haney, Howard E., Capt, 1  
Hegdahl, James O., Maj  
Hodgson, William E., Capt  
Holroyd, Donald E., Capt  
Howard, William A., Lt  
James, Jesse H., Capt  
Jesse, Martin C., Capt  
Kyle, George W., Capt  
Laughinghouse, J.E., Capt  
Ledwidge, Augustine, Capt  
Lee, James M., WO  
Melbye, John, Capt  
Morrison, Anthony D., Capt  
Osborn, Larry N., Capt  
Owens, Thomas C., SSgt  
Pratt, James T., III, Lt  
Rhodes, Carl E., Maj  
Sands, Robert S., Maj  
Schwem, Marvin W., Capt  
Shirk, John W., MSgt  
Smith, Dan R., Maj  
Smith, William H., Maj  
Stamps, John R., Capt  
Stoddard, Timothy D., Capt  
Tetrault, Leo J., CWO  
Thompson, James E., Capt  
Thompson, Michael R., Capt  
Tulloch, William G., SFC  
Wessner, Dean C., Capt  
Wouters, Frank D., Lt  
Young, Ray A., Capt

## AIR MEDAL FOR VALOR

Baden, Robert E., WO  
Bliven, David M., Capt  
Carignan, Alfred J., SFC  
Carlson, Billy H., Maj  
Carpenter, Clarence, WO  
Cary, Kenneth R., Capt  
Childs, Michael, WO  
Claxton, John D., WO  
Cobb, Martin J., WO  
Cox, James R., Lt  
Daum, John P., WO  
Dickens, Bobby L., CWO  
Dorsey, James J., Lt  
Dowdy, Kenneth L., CWO  
\*ely, Linus H., Capt  
Ford, Glaston J., Capt  
Forsman, Ralph E., PFC  
Frinks, Charles P., Maj  
Fudge, Eugene E., Capt  
Gibson, Lewis H., CWO  
Harmon, Kenneth J., Lt  
Hester, Thomas L., Capt  
Holland, Joseph P., CWO  
Hunt, Gordon, M., Capt

## AIR MEDAL FOR VALOR

Irwin, Ralph D., Maj  
James, Jesse H., Capt  
Johnston, Howard R., Maj  
Jones, James M., Capt  
Kenyon, Richard D., Capt  
Klrbay, Arthur C., WO  
Kramer, Bryce R., Capt  
Leroy, Paul S., Capt  
McKelvey, Lawrence, WO  
Mebane, Eddie B., Lt  
Miller, Jack E., SP5  
Missildine, Chas., Capt, 2  
Myers, John T., III, WO  
Parnell, William B., Sgt  
Petty, William E., CWO  
Riley, William B., PFC  
Schwem, Marvin W., Capt  
Sensenig, William H., WO  
Sparks, John F., WO  
Stewart, Harvey E., Maj  
Stobbe, Roman J., Maj  
Sweeney, Robert F., Capt  
Taylor, Billy W., Capt  
Tillman, William L., WO  
Trillip, Stanley G., SSgt  
Tucker, Jimmy G., Capt  
Van Loon, Weston O., Lt  
White, Thomas P., WO  
Whitten, Millard, Maj  
Wildes, Michael L., WO  
Witt, Milton P., Lt

## AIR MEDAL

(The number after the recipient's name indicates the number of Oak Leaf Cluster awards received.)

Adam, Daniel A., PFC  
Arbaugh, Jack W., SSgt  
Bahnsen, John C., Capt  
Berquist, Robert E., Lt, 14  
Brodie, Judson M., III, WO  
Brown, Lester G., SP4  
Burrighs, J.R., SP5, 13  
Campbell, Paul M., Capt, 16  
Carlson, Billy H., Maj, 15  
Christie, T.C., Maj, 12  
Cooper, Gordon D., Capt, 4  
Devereaux, Walter J., Lt  
Dorsey, James J., Lt, 31  
Emerson, James H., Maj, 1  
Flohe, Donald L., Lt, 15  
Ford, Glaston J., Capt, 12  
Frandsen, Donald P., LCol  
Gass, Henry B., Lt, 15  
Hall, William P., Capt, 2  
Hutchinson, David W., Lt, 2  
Ireland, Gerald E., WO, 2  
Jaggars, J.N., Maj, 12  
James, Jesse H., Capt, 22  
Kaneckika, David T., SP4, 1



DISTINGUISHED  
SERVICE CROSS

## AIR MEDAL

Klah, Paul R., Lt, 1  
Kyle, George W., Capt, 15  
Laughinghouse, J, Capt, 15  
Lush, Ronald, PFC  
McFadden, Louis P., Capt  
McKenzie, Colin W., Maj, 6  
McKnight, James H., SP5  
McTaggart, Ken S., Capt  
Major, Dorrance D., Capt  
Manning, Cyril G., SFC, 5  
Mantooth, Glen W., CWO  
Marvicoin, Dennis J., WO  
Medcalif, Rex M., Maj, 4  
Miller, Jack E., SP5, 20  
O'Bray, Preston E., CWO  
Page, Larry R., Lt  
Pritchard, Allen N., Lt, 3  
Quick, William W., MSgt  
Renger, William, SP6, 6  
Jullivan, John L., WO, 16  
Thornton, Glen D., Capt, 15  
Trent, Lester G., SFC, 6  
Tripp, Fred G., Capt, 5  
Vickers, George F., Capt  
Wells, Bobby, SP5, 11  
Whitworth, Wm E., Capt, 11  
Wilkie, Leon R., Capt, 1  
Yourtee, Leon R., Lt  
Zufall, Wade D., MSgt

## COMMENDATION MEDAL

Banks, Ned V.C., Capt  
Brinkley, Jimmie T., Capt  
Brown, John L., Capt  
Ebert, William T., Lt  
Estes, Ernest F., Capt  
Eversman, James F., WO  
Gursky, Robert S., Lt  
Jones, Eugene, SFC  
Juchau, Donald, J., SP4  
Keating, David W., Capt  
Kincannon, Holden V., Capt  
Laya, Robert E., Capt  
Leone, Joseph R., SP5  
Seignious, Richard H., Capt  
Spencer, John J., Lt  
Towler, Johnny H., Capt  
Traver, Daniel G., Maj, 2

## FOREIGN DECORATIONS

Vietnamese Honor Medal  
Harpton, Billy J., CWO



**MAJORS**

NICHOLSON, Rowland J.  
311-1 Third Street  
Ft. Leavenworth, Kansas

NOAH, Ross E.  
247 Magruder  
Mineral Wells, Texas

O'DONOHUE, John D.  
Qtrs 2316-A  
Fort Rusk, Va. 23604

ORAM, Charles J.  
1927 South 5th  
Leavenworth, Kan 66048

OSHESKY, Gerald K.  
931 Valley Forge Road  
Columbus, Ga. 31907

PALCZYNSKI, Donald J.  
Allen Ct, Mid Rt, Box 72A  
So. Haven, Mich. 49090

PANAGEAS, Dan P.  
A/15 Trans Bn, 1st CD  
APO San Fran 96490

PATTERSON, George E.  
HHD, 13th Aviation Bn  
APO San Fran 96215

PAULK, Charles M.  
310 Haven, Apt F-G  
Green Cove Springs, Fla.

PERKINS, Thomas F.  
Route 2, Choto Road  
Concord, Tenn. 37720

PETERSEN, Darwin A.  
USAREUR Aviation Det.  
APO New York 09102

PICK, Rudolph  
174th Aviation Company  
Fort Benning, Ga. 31905

PITTS, Russell N.  
2nd Aviation Company  
APO New York 09122

PLAMONDON, Robert P.  
646 Coral Avenue  
Manchester, N.H. 03104

PORTER, Edward J.  
Hq, USAPHS  
Fort Wolters, Texas

FUGH, Hilton E.  
3540 Kent  
Fort Worth, Texas

QUEDENS, Bernard B.  
2 Liggett Avenue  
Ft. Leavenworth, Kansas

QUINT, Alvin M.  
310 Wesley Road  
Knoxville, Tenn. 37919

REDELLE, Eugene B.  
HHC, 1st Bde, 1st Inf Div  
APO San Fran 96345

REINHARDT, John A.  
USA Avn ATC Company  
APO San Fran 96301

ROLLINGER, Jack R.  
245 Donnelly Drive  
Anderson, Ind. 46012

ROYALS, Gerald E.  
605th Trans Company  
Ft. Riley, Kan. 66442

RUST, Henry W., Jr.  
174th Aviation Company  
Fort Benning, Ga. 31905

SANDERS, Robert C.  
3818 13th Place  
Meridian, Miss. 39301

**MAJORS**

SANDIDGE, Charles R.  
511 Mumm Lane  
El Paso, Texas 79924

SARNECKI, Aloysius  
2939 Avondale Road  
Columbus, Georgia

SAWVELL, Vernon L.  
Dir. Maint. Aircraft Div.  
Fort Sill, Oklahoma

SIEGERT, Robert W., Jr.  
2800 Tabor Road  
Bryan, Texas 77801

SMITH, Carroll W.  
603 Morningside Drive  
Min. Wells, Texas 76067

SMITH, William A., Jr.  
9408 Forrest Haven Dr.  
Alexandria, Virginia

**BEAR WITH US!**

The 10-page PCS Section is a result of the extensive number of address changes associated with the movement of entire units, and the companion lack of editorial space for PCS purposes in the two previous "Annual Meeting Issues." We expect to return to the normal 7-page section in March, 1966.

SPURLOCK, William W.  
Hq, 11th Avn Gp, 1st CD  
APO San Fran 96490

STAMPER, James M.  
131st AWC, 1st CD  
APO San Fran 96490

STANLEY, Kenneth C.  
5837 St Leonards Drive  
Columbus, Ga. 31904

STEDMAN, Thomas M.  
179th Aviation Company  
Fort Benning, Ga. 31905

STEWART, Donald B.  
161st Aviation Company  
APO San Fran 96238

STOCKTON, Norman E.  
1416 South Main  
Weatherford, Tex. 76086

STRANGE, Loren C.  
458-C Gullock Drive  
Fort Monroe, Va. 23351

SWANN, Robert P.  
MACV, J-321  
APO San Fran 96243

TAYLOR, Donn E.  
2930 Emory Street  
Columbus, Ga. 31903

TODD, Edgar F.  
MACV, J-3  
APO San Fran 96307

TOEPEL, Adalbert E., Jr.  
Box 175  
APO Seattle 98733

TRAPP, Turner J.  
3006 Plantation Road  
Columbus, Georgia

TURNER, Albert N.  
174th Aviation Company  
Fort Benning, Ga. 31905

VASS, Marshall B.  
13th St. Terr, Apt 621-D  
Leavenworth, Kansas

VINSON, Bobby G.  
109A Butts Street  
Fort Benning, Ga. 31905

**MAJORS**

WALLS, Bobby G.  
704 N Murco Drive  
Min. Wells, Texas 76067

WARD, John E.  
520 South Judson  
Ft. Scott, Kan. 66701

WARR, Thomas J.  
26580 Chisholm Ct, Apt 2  
Hayward, Cal. 94544

WASH, William B.  
161st Aviation Company  
Fort Benning, Ga. 31905

WATERMAN, Benjamin D.  
Route 1, Box 210  
Taylorville, Ill. 62568

WATKINS, Charles W.  
USAAVNS, 3A-3186  
Fort Rucker, Ala. 36360

WATTS, James H.  
709 Adams Avenue  
Sumter, S.C. 29150

WEBBER, Herbert A.  
215 Brazos Villa Apts.  
Min. Wells, Texas 76067

WESTON, Hughley L.  
940 W 25th Street  
San Pedro, Cal. 90731

WHALE, Raymond K.  
USAFHS, 4A 4008-02  
Fort Wolters, Texas

WHITE, Marion F.  
Harrodsburg Road  
Perryville, Ky. 40468

WHITLOCK, Kydean  
USABAA, Avn Sfty Ctr  
NAS Norfolk, Virginia

WILKES, Donald D.  
Avn Unit, G-3JUSMMAT  
APO New York 09254

WILKINS, Thomas C., Jr.  
3116 Melrose Drive  
Columbus, Georgia

WILLIAMS, William H.  
HHC, 2nd Brigade  
APO New York 09039

WOITH, Francis E.  
Cmd & Gen Staff Course  
Fort Leavenworth, Kan.

WOLFF, William H.  
85th Maint Battalion  
APO New York 09165

WOODRUFF, Albert R.  
7 Goff Street, PO Box 356  
Daleville, Ala. 36322

WRIGHT, Theodore K.  
USAAVNS  
Fort Rucker, Ala. 36360

YOUNG, John G.  
11th Aviation Battalion  
APO San Fran 96345

ZELLMER, Harry J.  
5103 Fontenelle Blvd  
Omaha, Neb. 68111

**CAPTAINS**

AKRE, Richard D.  
117th Aviation Company  
APO San Fran 96312

ALLEY, Norman L.  
135th Aviation Company  
APO San Fran 96240

ALLISON, Charles B.  
56th Aviation Det.  
APO New York 09063

ALTON, Gary O.  
134th Aviation Company  
APO San Fran 96215

ANGER, Allan W.  
42-25 Gleame Street  
Elmhurst, N.Y. 11373

BABEL, Otto  
294 Magruder  
Min. Wells, Texas 76067

BACON, William G.  
USAAVNS, 3A-3186  
Fort Rucker, Ala. 36360

BADGER, Bill D.  
Athol  
South Dakota

BAEB, David E.  
1577 Amy Street  
Green Bay, Wisconsin

BAXTER, Warner R.  
USAPHS  
Ft. Wolters, Texas 76067

BEASLEY, William A.  
1013 Catalwa, Apt. L  
El Paso, Texas

BEATY, William E.  
USAPHS  
Ft. Wolters, Texas 76067

BECK, Frederick S.  
2/20 Arty Bn, 1st CD  
APO San Fran 96490

BECKER, Elwood J., Jr.  
HHC, 3rd Bde, 1st CD  
APO San Fran 96490

BENNETT, Kent W.  
Hq, 43rd Med Group  
APO San Fran 96240

BERGERON, Andrew L.  
USAADS, Box 10239  
Ft. Bliss, Texas 79916

BISCH, Frederick R.  
2560 D Cole Street  
Fort Eustis, Va. 23604

BLACK, Robert E.  
5071 Biscayne Drive  
Columbus, Ga.

BLOEMSA, William A.  
2nd Aviation Company  
APO New York 09063

BOELTER, Richard W.  
183 Harris Drive  
Fort Rucker, Ala. 36360

BOOK, Claire E.  
120th Aviation Company  
APO San Fran 96307

BOOTH, Benny L.  
116th Aviation Company  
APO San Fran 96345

BORTH, Alfred G.  
283 Med Det (Hel Amb)  
APO San Fran 96307

BOWLING, Ernest R.  
112-A Butts Street  
Fort Benning, Ga. 31905

## AA IN PHOTOS

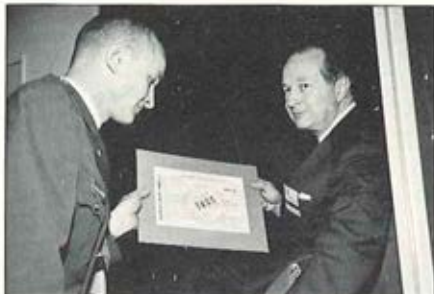
### SNOWED

VIETNAMESE AIR CADETS AT THE PRIMARY HELICOPTER SCHOOL, FT. WOLTERS, TEXAS, EXAMINE THE HEAVY SNOWFALL THAT OCCURRED JAN. 21 AS THEY CELEBRATED THE LUNAR NEW YEAR. MAJOR GLEN CANNON, CENTER, DESCRIBED THE CHARACTERISTICS OF THE FLUFFY WHITE STUFF TO THE CADETS, FROM LEFT; NGUYEN VAN THAO VO THANH LUONG, MAI VHI CHO, NGUYEN VAN TAN



### CERTIFIED

ASSISTANT SECRETARY OF THE ARMY, WILLIS M. HAWKINS, ACTUALLY AN EXPERIENCED PILOT, IS AWARDED A "STUDENT PILOT CERTIFICATE" QUALIFYING HIM TO "FLY" A NEWLY INSTALLED FLIGHT SIMULATOR AT FORT MONMOUTH, N.J. LT. COL. L.G. CALLAHAN, JR., DIRECTOR OF THE ARMY ELECTRONICS COMMAND'S AVIONICS LABORATORY, MAKES THE PRESENTATION AT THE UNVEILING OF THE TACTICAL AVIONICS SYSTEM SIMULATOR (TASS). EQUIPPED WITH A COMPUTER AND MANEUVERABLE COCKPIT, TASS IS BEING USED IN THE DESIGN OF ELECTRONIC SYSTEMS FOR ARMY TACTICAL AIRCRAFT. (ARMY PHOTO)



### DEPLOYED

SHOWN AT RIGHT ARE TWO GRUMMAN MOHAWKS OF THE TYPE NOW BEING USED BY THE FIRST CAVALRY DIVISION IN VIETNAM. THE MOHAWK IS AN INTEGRATED SURVEILLANCE SYSTEM DEVELOPED TO PROVIDE GROUND COMMANDERS WITH A READILY AVAILABLE AND A HIGHLY RESPONSIVE INTELLIGENCE-GATHERING SYSTEM. THE MOHAWK WITH THE CIGAR-SHAPED ANTENNA UNDER ITS FUSELAGE IS DESIGNATED THE OV-1B. THIS AIRCRAFT INCORPORATES THE SIDE LOOKING RADAR (SLAR) SYSTEM. THE SECOND MOHAWK IS THE OV-1C, CARRYING AN INFRARED SYSTEM.



### CONFERENCE

SHOWN AT THE NATIONAL AEROSPACE SERVICES ASS'N ANNUAL CONTRACT SERVICES SYMPOSIUM HELD IN WASHINGTON, D.C. WERE, L. TO R., JOSEPH R. ROSS, PRES., ROSS AVIATION; BRIG. GEN. HOWARD F. SCHILTZ, CG, AVCOM; A.W. STEWART, PRES., GARY AIRCRAFT; RAYMOND TONKS, PRES., AERODEX, INC.; LT. GEN. RICHARD D. MEYER, JCS; THOMAS T. HINMAN, VP-SALES, LOCKHEED AIRCRAFT SERVICE CO.; FRED BUEHRING, PRES., LTV ELECTROSYSTEMS AND NASSA PRES.; MAJ. GEN. JOHN J. TOLSON, CG, FT. RUCKER, KEYNOTE LUNCHEON SPEAKER; AND CHARLES GULLEDGE, PRES., DYNAELECTRONCORP. THE MEETING WAS THE 5TH SIMILAR MEETING FOR THE TRADE ASS'N.





**CAPTAINS**

BREEDLOVE, Ben L.  
73rd Aviation Company  
APO San Fran 96291

BRIER, James R.  
1216 Beech Street  
Scranton, Pa. 18505

BRISCOE, Gerald A.  
Box 154  
Eules, Texas

BROWN, James H., Jr.  
USAAVNS, ORWQ 66-3  
Fort Rucker, Ala. 36360

BROWN, Jerry R.  
102 Fawn Drive  
San Antonio, Texas

BUCHANAN, Paul J.  
205 Maple Avenue  
Leavenworth, Kansas

BUECHNER, William E.  
4331 W 82nd Avenue  
Westminster, Colo 80030

BUPFORD, William C.  
Route 1, Box 98-A  
Cleveland, Texas 77327

BURBULES, John G.  
Hq, 10th Aviation Bn  
APO San Fran 96240

BURDEN, John R.  
Box 65  
Wapakoneta, Ohio 45895

BURROUGHS, Leonard H.  
HHC, 11th Avn Gp, 1st CD  
APO San Fran 96490

BURWELL, James M.  
Advisory Team 1, G-3  
APO San Fran 96337

BUTLER, Billy C.  
5115 Nassau Road  
Houston, Texas 77021

CAMPBELL, James T.  
DYM, NC Army Depot  
New Cumberland, Pa.

CAMPBELL, Paul M.  
34 Baker Street  
Fort Rucker, Ala. 36360

CARR, Glenn F.  
1423-A Tyner Road  
Fort Sill, Okla. 73503

CARROLL, William F.  
498th Med Co (Hel Amb)  
APO San Fran 96240

CARTMILL, Robert A.  
HHC, 2nd Bde Avn Sect  
APO San Fran 96225

CASEY, Thomas D.  
Officer Student Company  
Fl. Sam Houston, Texas

CASTRO, Thomas  
2512 Pearl Avenue  
Fort Worth, Texas

CAVENSEN, Leslie J.  
803 Holland Avenue  
Galena Park, Texas

CHARLES, John D.  
HHD, 1 Avn Bn, 1 Inf Div  
APO San Fran 96345

CLARY, William T.  
805th Trans Company  
Fl. Riley, Kansas 66442

**CAPTAINS**

CLINTON, James E., III  
2872 Inverness Drive  
Los Alamitos, Cal. 90720

CLUBB, Edwin R.  
31 Duke Street  
Fort Rucker, Ala. 36360

COLBERT, Bill N.  
514 Harding Place  
Nashville, Tenn. 37211

CONRATH, Joseph G.  
Strescon, 2013 Cuningh  
Hampton, Va. 23366

CORNELL, Gerald  
107 Harris Drive, North  
Fort Rucker, Ala. 36360

CORSER, Laurence E., Jr.  
131 Aerial Wpns Co, LCD  
APO San Fran 96490

COTTRELL, David D.  
A/227th AHB, 1st CD  
APO San Fran 96490

DANHOUSER, David C.  
109 Spruce Street  
Sauk City, Wis. 53583

DANIEL, James M.  
161st Aviation Company  
APO San Fran 96236

DAVIS, Graham C.  
2828 Wedgewood  
El Paso, Texas

DAWKINS, Donald M.  
2-A Azalea Court  
Eatontown, N.J.

DICKERSON, Jon R.  
Route 1, Box 158  
Hazelton, Idaho 83335

DRUYOR, Frank A.  
116th Aviation Company  
APO San Fran 96345

DYER, Paul E.  
501st Aviation Battalion  
Fort Hood, Texas 76545

EARLEY, Neal E.  
68th Aviation Company  
APO San Fran 96291

EDWARDS, Alfred Y.  
15th Trans Battalion  
APO San Fran 96490

ELDER, John F., III  
Hq, 7th Spt Cmd, Maint  
APO New York 09160

ELLES, Orlus L., Jr.  
5556-A Hiers  
Ft. Knox, Ky. 40121

ESTES, Robert F. Jr.  
1902 Lamar Street  
Min. Wells, Texas 76067

EVANS, Eulus E.  
B/2 Avn Bn, 2nd Inf Div  
APO San Fran 96224

FAIRWEATHER, Robert S.  
36 Red Cloud Road  
Fort Rucker, Ala. 36360

FENN, Janet L.  
4256 Buckman Rd, Apt 19  
Alexandria, Virginia

FICKLIN, Marvin D.  
116th Aviation Company  
APO San Fran 96345

FORD, Glaston J., Jr.  
154 Harris Drive  
Fort Rucker, Ala. 36360

**CAPTAINS**

FOREMAN, Richard G.  
USAFHS, 4A-4008-02  
Fl. Wolters, Tex. 76067

FORTE, David L.  
106 Preston  
Shreveport, La. 71104

FRAZELLE, Jack H.  
84 Maas Drive  
Fort Bragg, N.C. 28307

FREDRICK, Gilbert H.  
5075-2 Carter Street  
Fort Hood, Texas 76540

FREEMAN, Ed W.  
Box 193  
Glenn Ferry, Idaho

FURNEY, Robert M.  
A Btry, 2/20 Arty, 1 CD  
APO San Fran 96490

GANTT, John R.  
175th Aviation Company  
Fort Benning, Ga. 31905

GINTER, Duane L.  
11 Olsen Lane  
Fort Rucker, Ala. 36360

GLOVER, Leo M.  
911 Arvana Street  
Houston, Texas

GOLDBERG, Edward B.  
ATOCC Class 2-66  
Fort Eustis, Va. 23604

GORDY, Terry L.  
7100 Gainesborough Dr.  
Knoxville, Tenn.

GRAHAM, Robert L.  
10th Aviation Group  
Fort Benning, Ga. 31905

GREENWOOD, Everett O.  
1428 Conkling Avenue  
Utica, New York

GRIMINGER, Charles O.  
208 Windsor Drive  
Walbridge, Ohio 43465

GRESWOLD, William S.  
186 Harris Drive  
Fort Rucker, Ala. 36360

GUINN, Jack L.  
2207 Hill Street  
Alexandria, La. 71301

HAALAND, Carl J.  
USAAVNS  
Fort Rucker, Ala. 36360

HAAN, Philip J.  
302 E Comm Street  
Gettysburg, South Dakota

HAGEE, Robert D.  
1118-C Thompson Circle  
Fort Eustis, Va. 23604

HALLY, John E.  
1420 Seminole Avenue  
Detroit, Michigan

HAND, Eugene T.  
ASTA Plat, 25th Inf Div  
APO San Fran 96225

HARBER, Bobby D.  
1573 Yilla Maura Lane  
Hazelwood, Mo. 63042

HARDY, Charles N.  
134th Aviation Company  
APO San Fran 96215

HARMON, Charles P.  
Quarters 2567-C  
Fort Eustis, Va. 23604

**CAPTAINS**

HART, Kyle E.  
A/16 Aviation Det.  
APO New York 09403

HATCHER, John W.  
53 Diamond Avenue  
Fort Rucker, Ala. 36360

HATHAWAY, Frank A.  
135th Aviation Company  
APO San Fran 96240

HAYES, William M.  
58 Red Cloud Road  
Fort Rucker, Ala. 36360

HAZELWOOD, Richard L.  
A Co, 8th Aviation Bn  
APO New York 09185

HEALD, Norman W.  
1008 Woolsey Avenue  
Webster City, Iowa 50595

HEDGEPEETH, Robert E.  
5th Army Flight Det.  
Fl. Seridan, Ill. 60038

HOEFLER, Leroy H.  
233 West 6th South  
Logan, Utah 84321

HOLASEK, Ronald S.  
Route 2, Box 242  
Hollywood, Md. 20636

HOLLANS, Lester H.  
5000 W Seminary Avenue  
Richmond, Va. 23227

HOLLOWELL, Emmett P.  
2nd Aviation Det.  
West Point, N.Y. 10996

HONINGER, Larry E.  
Box 446  
Fort Rucker, Ala. 36360

HORTON, Edward J.  
1125 West Hubbard  
Min. Wells, Texas 76067

HUGHES, James J.  
114 Nelson Circle  
Ft Huachuca, Ariz 85613

HUGHES, James R., Jr.  
ATOCC 2-66  
Fort Eustis, Va. 23604

HULL, Donald R.  
2012 Commander Drive  
Columbus, Ga.

HUNTER, John W., Jr.  
Lawson Army Avn Cmd  
Fort Benning, Ga. 31905

IACOMINO, Gennaro J.  
USARV  
APO San Fran 96307

IRONS, Richard L.  
26 Duke Street  
Fort Rucker, Ala. 36360

JAMBON, Ted R.  
2213 N First Street  
Golden Meadow, La 70357

JAMES, Jesse H.  
236 Harris Drive  
Fort Rucker, Ala. 36360

JESSUP, Morris M.  
1407 Maple Avenue  
Twin Falls, Idaho

JOHNSON, Darel S.  
4336 Ludwick Street  
Pittsburgh, Pa. 15217

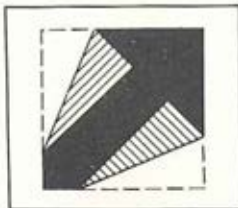
JOHNSON, John W.  
IAGS, Venezuela Proj.  
Washington, D.C. 20521

# TAKE A QUICK QUIZ!

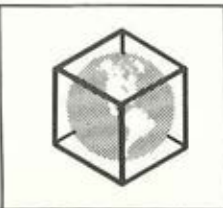
## FEBRUARY 1966



- 1) An Army aircraft known as the:  
 a) H-24 Seneca  
 b) H-21 Hoopoe  
 c) H-32 Hornet  
 d) H-41 Seneca
- 2) The 1962 Aviator of the Year:  
 a) Major Paul A. Blumenthal  
 b) Major Marguis D. Hilbert  
 c) Captain Emmett F. Knight  
 d) Captain Leifaro Brockwell
- 3) New STOL in Army inventory:  
 a) P-28 Lightning  
 b) OV-1 Mohawk  
 c) OV-10 COIN  
 d) CV-7 Buffalo



- 4) Ground-to-air distress signal:  
 a) "Need food and water"  
 b) "Need map and compass"  
 c) "Land in this direction"  
 d) "All is well"



- 5) The well known trademark of:  
 a) Vertol Division, Boeing Company  
 b) Cubic Corporation  
 c) Continental Motors Corp.  
 d) Pizecki Aircraft Corp.



- 6) The emergency visual signal for:  
 a) "Sorry about that"  
 b) "I don't know"  
 c) "No - negative"  
 d) "Yes - affirmative"



- 7) Unit insignia worn by men of:  
 a) 1st Aviation Company  
 b) 18th Aviation Company  
 c) 52nd Aviation Battalion  
 d) 1st Cavalry Division



- 8) This interim AAPSS is called:  
 a) HueyCobra, Bell  
 b) Sioux Scout, Bell  
 c) XH-51A, Lockheed  
 d) S-66, Sikorsky



- 9) The AAAA VP for Army Affairs:  
 a) Col. John L. Klingensmith  
 b) Col. Robert F. Cassidy  
 c) Col. Robert H. Schulz  
 d) Col. Edward McMaken



- 10) This serial weapons system is:  
 a) XM-2  
 b) XM-6  
 c) XM-21  
 d) SS-11



- 11) Past President of the AAAA:  
 a) Robert M. Leitch  
 b) Joseph E. McDonald  
 c) Bryce Wilson  
 d) Darwin P. Gerard



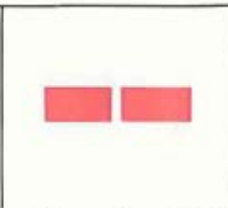
- 12) The meteorological symbol for:  
 a) Haze  
 b) Showers  
 c) Fog  
 d) Drizzle



- 13) Crew chief's signal indicates:  
 a) "Don't shoot"  
 b) "Move forward"  
 c) "Move rearward"  
 d) "Take off"



- 14) The FLIP chart symbol for:  
 a) TACAN  
 b) VORTAC  
 c) Fan marker  
 d) Helipark



- 15) How's your Morse? Shown is:  
 a) Code letter for "M"  
 b) Code letter for "A"  
 c) Code letter for "S"  
 d) Code letter for "B"

QUICK QUIZ ANSWERS: 1) Seneca; 2) Blumenthal; 3) OV-10; 4) "Need food and water"; 5) Vertol; 6) "I don't know"; 7) 18th Aviation Company; 8) HueyCobra; 9) Klingensmith; 10) XM-21; 11) Leitch; 12) Haze; 13) "Don't shoot"; 14) VORTAC; 15) "M".



## CAPTAINS

JOHNSTON, Francis E.  
Ohio St., Stoneleigh, Apt F  
Leavenworth, Kansas

JOHNSTON, William B.  
P.O. Box 223  
Benton, Illinois

JONES, Harold L.  
31 Diamond Avenue  
Fort Rucker, Ala. 36360

JONES, Robert J.  
1445-A Spring Road Apts  
Williamsburg, Virginia

KAMBROD, Matthew R.  
59th Aviation Company  
APO San Fran 96358

KEEFEER, Gary L.  
506 South Park Avenue  
Dothan, Alabama 36301

KELLEY, Edgar N.  
7720 Broadway  
North Bergen, N.J.

KELLEY, Robert H., Jr.  
2611 Rice Street  
Columbus, Ga. 31903

KEMP, John A.  
Hq Btry, 2/32 Arty  
APO San Fran 96307

KENNY, David L.  
104 Harris Drive  
Fort Rucker, Ala. 36360

KINBACK, George E., Jr.  
19th Trans Company  
APO San Fran 96271

KINGMAN, Dan C., Jr.  
466-D Gulick Drive  
 Ft. Monroe, Va. 23351

KNEISS, Richard F.  
1524 Glacier Drive  
Colorado Springs, Colo.

KNOTTS, Edward W.  
118 Westwood Way  
Morrow, Ga. 30260

KOLLHOFF, Ronald K.  
4th Aviation Company  
APO New York 09029

KUNTZ, George R.  
B Troop, 1/9 Cav, 1st CD  
APO San Fran 96490

KUYKENDALL, William K.  
13th St, Terr Apts, 621B  
Leavenworth, Kansas

LACY, Joseph A.  
10th Aviation Group  
Fort Benning, Ga. 31905

LADUE, Wade W.  
220 Chandler  
Oxford, Miss. 38655

LAYA, Robert E.  
ARADCOM Avn, Ent AFB  
Colorado Springs, Colo 80912

LAYFIELD, Marvin C.  
B Co, 227th AHB, 1st CD  
APO San Fran 96490

LEADABRAND, Jerry A.  
B Troop, 1/9 Cav, 1st CD  
APO San Fran 96490

LEINS, David V.  
126 Circle Drive  
Fairborn, Ohio

## CAPTAINS

LEWANDOWSKI, Wm H.  
228th AHB, 1st CD  
APO San Fran 96490

LINER, Cornelius E.  
A Co, 227th AHB, 1st CD  
APO San Fran 96490

LITTLE, George W.  
Avn Co, 2nd Armd Cav  
APO New York 09696

LONGHOFFER, James E.  
USAAAFMS, 8th OCS 3  
Fort Knox, Ky.

LOVELESS, Kenneth D.  
24 Fowler Lane  
Fort Rucker, Ala. 36360

LOVELY, Richard H., Jr.  
2227 W Pinchot Avenue  
Phoenix, Ariz. 85015

LYNN, William R.  
5 Wilson Avenue  
Ozark, Alabama 36360

MALCHOW, Earl H.  
A Co, 24th Aviation Bn  
APO New York 09112

MANN, Douglas J.  
411 N Verdna Avenue  
Avon Park, Florida

MARK, James C.  
SETAF Aviation Co  
APO New York 09168

MARTIN, Geary D.  
22nd Aviation Det  
APO New York 09189

MATTESON, Charles H.  
16763 32nd Avenue  
Seattle, Wash. 98155

McDEVITT, Donald T.  
HHC, USARV, Dr 100  
APO San Fran 96307

McINTOSH, Bernard W.  
1st Cavalry Division  
APO San Fran 96490

McKIMMEY, James R.  
58 Helms Drive  
Eatontown, N.J. 07724

McKINNEY, Boyce C.  
A Co, 227th AHB, 1st CD  
APO San Fran 96490

MESSER, Robert S.  
614 Pisgah Way  
Calhoun, Ga. 30701

METALLO, Vincent J.  
A Co, 24th Aviation Bn  
APO New York 09112

MILLER, Christian J.  
2602 Filbert Street  
San Francisco, Cal 94123

MILLER, Frank H.  
437 Ruby Drive  
Aberdeen, Md. 21001

MILLER, James H.  
3rd RRU  
APO San Fran 96307

MILLS, Jon R.  
A Co, 227th AHB, 1st CD  
APO San Fran 96490

MILLSPAUGH, Roy D.  
Avn Co, 6th SF Gp, 1st CD  
APO San Fran 96490

MOBLEY, Gene H.  
3245 Kenney Drive  
Falls Church, Va.

## CAPTAINS

MOLINELLI, Robert F.  
Box 413  
DuPont, Wash. 98327

MURPHY, Stanley W.  
HHC, 2nd Bde, 1st CD  
APO San Fran 96490

MYERS, Marvin O.  
2239 Patsy Lane  
Columbus, Ga.

NADEAU, Clement P.  
Hq, 2nd Log Command  
APO San Fran 96248

NAGELHOUT, Maynard A.  
OSD Mail Rm, Sec 217  
Fort Monmouth, N.J.

NAUMANN, Ralph E.  
134th Aviation Company  
APO San Fran 96296

NELSON, Hugh R., Jr.  
1st Cavalry Division  
APO San Fran 96490

NEUBAUER, Jacob D., III  
3rd RRU  
APO San Fran 96307

NEWSOME, Joseph D.  
General Delivery  
Fort Wolters, Texas

OAKES, William E.  
4342 A Harper Loop  
Fort Knox, Ky. 40121

OSBORN, Michael F.  
2139 Pawhatan Street  
McLean, Va. 22101

PAEDES, Robert  
37 Boyce Lane  
Fort Rucker, Ala. 36360

PEDRICK, Eugene S.  
119th Aviation Company  
APO San Fran 96318

PEPE, Michael J.  
1106E Thompson Circle  
Fort Eustis, Va. 23604

PETERSON, Ronald N.  
221-C Dyer Circle  
Redstone Arsenal, Ala.

PHELPS, Jon H.  
USAPHS  
Fort Wolters, Tex. 76067

PIERCE, Dale W.  
60th Aviation Company  
APO New York 09046

PIERCE, Fred W., Jr.  
128th Aviation Company  
APO San Fran 96345

PORTER, Warren R.  
109 Tobacco Road, Rt 4  
Clarksville, Tenn. 37042

PRITCHARD, Donald H.  
A/82 Avn Bn, 173rd Abn  
APO San Fran 96250

RACKLEY, Robert L.  
5891-A Adams Street  
Fort Knox, Ky. 40121

RAFFERTY, James R.  
174th Aviation Company  
Fort Benning, Ga. 31905

RETZLAFF, Donald H.  
256 Lyman Drive  
San Antonio, Texas 78209

RICE, Richard E.  
249 Gen Hosp, Ward 2A1  
APO San Fran 96267

## CAPTAINS

RICHARDS, Robert E.  
220th Aviation Company  
APO San Fran 96308

ROBERTS, Donald A.  
23 Johnson Street  
Fort Rucker, Ala. 36360

ROBERTS, Forrest E., Jr.  
301 Pinewood  
Carthage, Texas 75633

ROBERTSON, William L.  
302 11th Street South  
Columbus, Miss.

RONEY, George H., Jr.  
3rd RRU, AS-6053, OF  
APO San Fran 96307

ROSS, Bill R.  
3140 Erie Avenue  
Merced, Cal. 95340

RUNNIN, Laurence G.  
USAEGB, Box 1502  
Fort Belvoir, Va. 22060

SALMON, Ray W.  
45th Med Co (Hel Amb)  
Fort Bragg, N.C.

SANTULLI, John F.  
A/4 Avn Bn, 1st CD  
APO San Fran 96490

SASS, Fred W.  
23 Booker Street  
Fort Rucker, Ala. 36360

SCAMAHORN, William E.  
2nd Aviation Company  
APO New York 09063

SCHNEEMAN, Douglas  
704 Walnut Street  
Fredricktown, Mo. 63645

SELLERS, Robert P.  
156-B Kessler Drive  
Fort Benning, Ga. 31905

SHAVER, Frank J.  
68th Aviation Company  
APO San Fran 96291

SHELTON, Dewey J.  
165 Magruder  
Min. Wells, Texas 76067

SHERROD, Dale E.  
JUSMAG, DC, Box 1000  
APO San Fran 96346

SHIPMAN, Charles S.  
5031 Merlin Drive  
San Antonio, Texas 78218

SIMPSON, Allan R.  
2nd Aviation Company  
APO New York 09063

SIMS, Wesley N.  
24th Aviation Battalion  
APO New York 09112

SLAYTON, Emmett, Jr.  
312 Fountain  
Walnut Ridge, Ark.

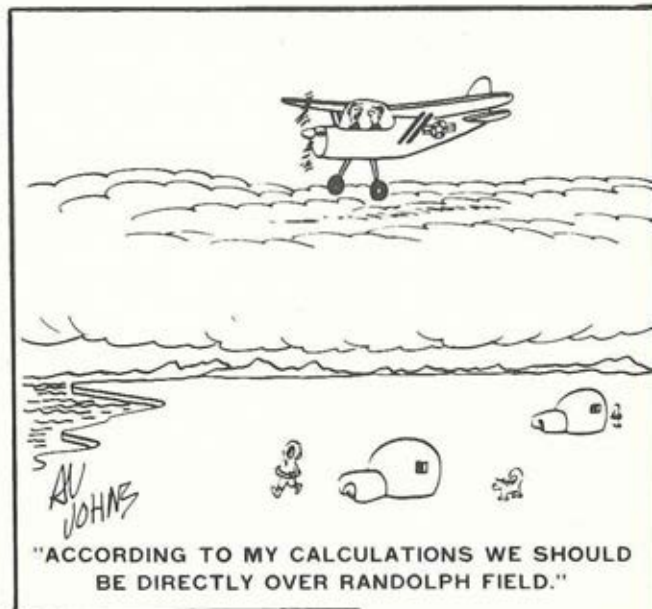
SLYE, Kenneth M.  
129 Windward Avenue  
Beachwood, N.J. 08722

SMART, Ernest A.  
264 Pierre Mount Avenue  
New Britain, Conn. 06050

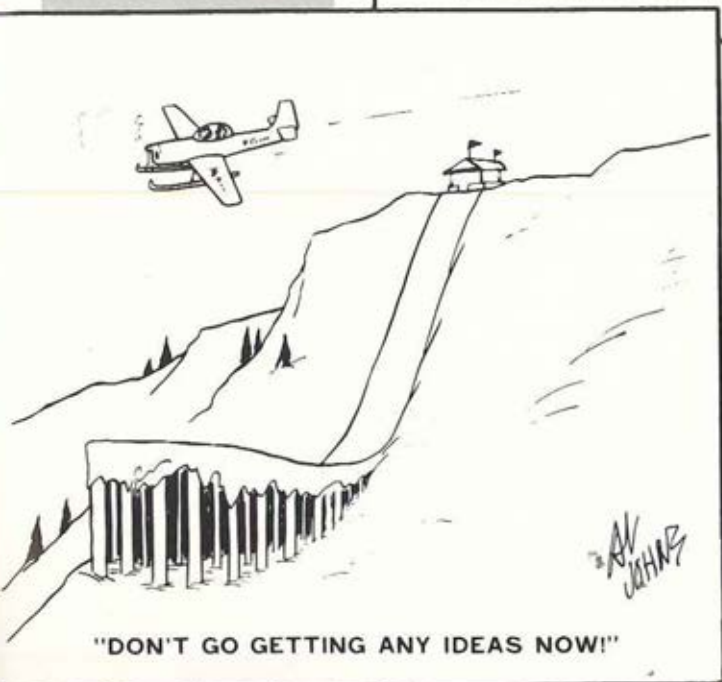
SMITH, Baisal D.  
498th Med Co (Hel Amb)  
APO San Fran 96240

SMITH, Derald H.  
B Co, 8th Aviation Bn  
APO New York 09185

# THE LIGHT SIDE



"ACCORDING TO MY CALCULATIONS WE SHOULD  
BE DIRECTLY OVER RANDOLPH FIELD."



"DON'T GO GETTING ANY IDEAS NOW!"



**CAPTAINS**

SMITH, Fred  
Hq, 25th Aviation Bn  
APO San Fran 96225

SMITH, Glenn A., II  
197th Aviation Company  
APO San Fran 96307

SMITH, Horace M.  
1804 Oakado Drive  
Mobile, Ala. 36609

SMITH, John A.  
2306 North 46th  
Lawton, Okla. 73502

SMITH, John E.  
B Co, 503rd Aviation Bn  
APO New York 09165

SMITH, John R.  
P.O. Box 386  
Dahlongega. Ga. 30533

SMITH, Kenneth S.  
36th Arty Group  
APO New York 09162

SMITH, Peter T.  
B/1 Avn Bn, 1st Inf Div  
APO San Fran 96345

SOKOWOSKI, Louis E.  
130 North Avenue NW  
New Philadelphia, Ohio

SOUPENE, James C., Jr.  
HHC, 229th AHB, 1st CD  
APO San Fran 96490

STADLER, Louis J.  
128th Aviation Company  
APO San Fran 96227

STARKEY, David L.  
3407 Primrose Road  
Columbus, Georgia

STEINE, Joel R.  
9th Cav Sqdn, 1st CD  
APO San Fran 96490

STONE, Gordon, L.  
18 Edwards Street  
Fort Rucker, Ala. 36360

STONE, James E.  
1008-A Kessler Court  
Fort Benning, Ga. 31905

STUMPF, Fred G., Jr.  
357 Townline Road  
E Northport, N.Y. 11731

SULLENBERGER, Louis E.  
112-B Butts Street  
Fort Benning, Ga. 31905

SULLIVAN, Dale B.  
68th Aviation Company  
APO San Fran 96307

SULZER, Roger J.  
3412 Charow Lane  
Orlando, Florida

SWEENEY, Robert F.  
150 Harris Drive  
Fort Rucker, Ala. 36360

SWINNEY, Jan V.  
2008 W Algonquin, Apt 1A  
Mt. Prospect, Illinois

TANNER, Linden O.  
234 Magruder  
Min. Wells, Texas 76067

TETSCHNER, Carrol J.  
CMR 2, Box 5073  
Fort Rucker, Ala. 36360

**CAPTAINS**

THIBODEAU, Charles A.  
78 Maas Drive  
Fort Bragg, N.C. 28307

THORNTON, Olen D.  
23 Galt Lane  
Fort Rucker, Ala. 36360

THURGOOD, Leon C.  
20 Nininger Street  
Fort Rucker, Ala. 36360

TREACY, John T.  
HHD, 306th Signal Bn  
APO New York 09063

VALLEY, Donald M.  
10513-E Fair Oaks Blvd  
Fair Oaks, Cal. 92658

VARNON, Jerry R.  
2300-D Jackson Avenue  
Fort Eustis, Va. 23604

VINES, Ronald C.  
4884 Blanding  
Memphis, Tenn.

WAGG, Robert A., Jr.  
B Co, 503rd Aviation Bn  
APO New York 09165

WALKER, Clifford M.  
174th Aviation Company  
Fort Benning, Ga. 31905

WATSON, Dwane C.  
28 Harris Drive  
Fort Rucker, Ala. 36360

WHETZEL, Harry T.  
129th Aviation Company  
APO San Fran 96312

WHITEHEAD, Ruby L.  
1500 Smith Avenue  
Chesapeake, Va. 23519

WICKER, Rush R., Jr.  
USAAVNS, Off Sta Co  
Fort Rucker, Ala. 36360

WILEY, Noble J., III  
3037 Plantation Road  
Columbus, Ga. 31903

WILLIAMS, Billy G.  
116th Aviation Company  
APO San Fran 96227

WILSON, Carl A.  
5060 North 132nd Street  
Omaha, Neb. 68164

WILSON, Thomas M.  
20th ASTA Det.  
APO San Fran 96240

WINSLOW, Roger D., Jr.  
CMR 2, Box 5402  
Fort Rucker, Ala. 36360

WISE, Raymond C.  
232 Riverthorn Road  
Baltimore, Md. 21220

WISE, Robert J.  
227th AHB, 1st CD  
APO San Fran 96490

WOLD, Christian D.  
2921 Luckie Street  
Columbus, Ga. 31903

WOOD, Ernest M., Jr.  
4052 12th Avenue South  
Minneapolis, Minn.

WOODS, Eugene R.  
B Btry, 2/20 Arty, 1st CD  
APO San Fran 96490

YENGLIN, Donald H.  
132nd AHB, 1st CD  
APO San Fran 96490

**CAPTAINS**

YOPP, Dewey C.  
Univ SC, Aero Safety Div  
Los Angeles, California

YOUNG, Luther D., III  
CMR 2, Box 5082  
Fort Rucker, Ala. 36360

ZITTRAIN, Lawrence O.  
B Btry, 2/20 Arty, 1st CD  
APO San Fran 96490

**LIEUTENANTS**

ALLEN, Abbott W.  
2 SC, HHD, Army Group  
APO San Fran 96307

ARMSTRONG, Robert C.  
P.O. Box 5193  
Tulsa, Okla. 74104

ATTAWAY, Kenneth M.  
6522 West Fairfield Ave  
Berwyn, Illinois

AYDLETT, James Q.  
121st Avn Co, Box 2  
APO San Fran 96296

BAKER, Douglas L.  
2305 12th Street, Apt C  
Fort Eustis, Va. 23604

BAVETZ, Richard A.  
9 Crepe Myrtle Walk  
Newport News, Va. 23601

BEYER, Larry E.  
RR 1-A  
Iowa Falls, Iowa 50126

BODEEN, Jessie W.  
3340 South 31st Street  
Lincoln, Nebraska

BOWEN, Robert P.  
17th Aviation Company  
APO San Fran 96490

BROOKS, Jerry R.  
AMOC, Class 66-3  
Fort Eustis, Va. 23604

BROWN, Edward, Jr.  
114th Aviation Company  
APO San Fran 96357

BROWN, Russell W.  
7th Repl Det, 7th Inf Div  
APO San Fran 96207

BURCHAM, Jerry L.  
Route 3, Box 102 B  
Rapid City, South Dakota

CAMPANOLI, Joseph M.  
Route 5, Box 1427  
Tacoma, 22 Washington

CANNELLA, Sam  
114th Aviation Company  
APO San Fran 96357

CAPOZZELLA, Vincent J.  
Advisory Tm 38, MACV  
APO San Fran 96314

CAROTHERS, Ronald R.  
509 SE 27th Avenue  
Min. Wells, Texas 76067

CHAPLIN, Robert D., III  
55th Avn Co, Eighth USA  
APO San Fran 96301

CHERRY, William P.  
6450 Sudbury  
Dallas, Texas 75214

CHRISTIANSEN, John E.  
Quarters 2340-C  
Fort Eustis, Va. 23604

**LIEUTENANTS**

CHROBAK, Walter J.  
74th Aviation Company  
APO San Fran 96227

COLLAR, William D., Jr.  
HHD, 25th Infantry Div  
APO San Fran 96225

COLLINS, Raymond E.  
Avn Off, Hq, Eighth USA  
APO San Fran 96301

CUNNINGHAM, David E.  
30 Endl Avenue  
Fort Rucker, Ala. 36360

DILLOW, Tommy R.  
Route 9  
Jonesboro, Tenn.

EVANS, Charles H.  
104 Cooper Street  
Sylvania, Georgia

EVORS, Fredrick L.  
1440 South 4th Street  
Louisville, Ky. 40208

FIELDS, Michael G.  
624 East Madison  
Springfield, Mo.

FLANAGIN, Harris  
2004 Weldner Street  
Stuttgart, Arkansas

FLINNAU, Michael M.  
11181 NE Weidler Street  
Portland, Oregon 97220

FLYNN, Timothy M.  
219th Aviation Company  
APO San Fran 96316

FORVILLE, David R.  
1315 South 28th Street  
Lafayette, Indiana

FOSNAUGHT, Kay D.  
179th Trans Company  
APO San Fran 96238

FREEMAN, David N.  
USARV  
APO San Fran 96307

FREITAG, Merle  
108-B Winrow Road  
Ft Huachuca, Ariz 85613

FRY, Roland J.  
230 Slagle Drive  
Fort Bragg, N.C. 28307

GALLACHER, James J.  
231st Signal Det  
APO San Fran 96308

GENTLE, Howard B., Jr.  
7200 East 112th Street  
Kansas City, Mo. 64134

GERAGHTY, James D.  
AMOC, Class 66-3  
Fort Eustis, Va. 23604

GILBERT, Kenneth D.  
118th Aviation Company  
APO San Fran 96227

GNIAZDOWSKI, Francis  
69th Aviation Company  
Fort Bragg, N.C.

HANSON, Larry L.  
159th Med Evac Det  
Fort Riley, Kans. 66442

HARRELL, Gary W.  
116th Aviation Company  
APO San Fran 96345

HARRISON, Charles D.  
HHB, 82nd Abn Div Arty  
Fort Bragg, N.C. 28307

## LIUTENANTS

HASTINGS, John H.  
Adv Trn 87, 74th Avn Co  
APO San Fran 96314

HATCHELL, Jon M.  
Avn Sect, 9th Log Cmd  
APO San Fran 96233

HENGEN, Orville J., Jr.  
HHC, 2nd Bn, 505th Inf  
Fort Bragg, N.C. 28307

HILL, Howard D., III  
5600 Attica Avenue  
Cincinnati 12, Ohio

HOAGLAND, John M.  
Quarters 2825-B  
Fort Lewis, Wash. 98433

HOFFMAN, William M.  
Hq, 3rd Inf Div Arty  
APO New York 09036

HOLUB, Cullis L.  
246 Lemur  
San Antonio, Texas

INGLIS, Robert G.  
296 Sig Det, 129 Avn Co  
APO San Fran 96312

JAMES, James N., Jr.  
219th Aviation Company  
APO San Fran 96318

JANECEK, Frank J.  
2567-B Pratt Road  
Fort Eustis, Va. 23604

JENSEN, Kenneth F.  
507 3rd Avenue, Box 151  
Seattle, Wash. 98104

JONES, Thomas J.  
219th Aviation Company  
APO San Fran 96318

KELLUM, Charles C., Jr.  
2804 Oak Grove  
Metairie, La. 70003

KELLY, Patrick O.  
2511 25th Street  
Columbus, Nebraska

KIBLER, Robert A.  
938 Montpelier Avenue  
Erie, Pa. 16505

KNIGHT, Robert C.  
101st Aviation Bn  
APO San Fran 96296

KRANNAWITTER, James  
6-A Battle Park  
Fort Benning, Ga. 31905

LAFERTE, Albert E.  
97 W Hillcrest Street  
Manchester, N.H. 03103

LAWRENCE, Alan A.  
Hq Btry, 6/14 Arty  
APO San Fran 96295

LEACH, Edward D.  
Gintz Apt 34, Avenue I  
Huntsville, Texas 77340

LEE, Clarence E., Jr.  
176 Repl Co, 38 Repl Bn  
APO San Fran 96220

MANZIONE, Larry D.  
12245 S Manor Dr, Apt 13  
Hawthorne, Cal. 90251

MARSHALL, Stanley B., Jr.  
Hollendale  
Wisconsin 53544

McCREE, Peter R.  
16 Cranberry  
Beacon, New York

## LIUTENANTS

McKEE, James C.  
414 Spaceway, Windcrest  
San Antonio, Texas

McKELLAR, Fred D., Jr.  
235 Shaw Street  
Fort Bragg, N.C. 28307

MILLICAN, Charles W.  
11th Avn Co, 1st CD  
APO San Fran 96490

MOORE, Don H.  
220th Aviation Company  
APO San Fran 96308

MOORE, Walter B.  
173rd Aviation Company  
Fort Benning, Ga. 31905

MORRIS, John H., Jr.  
Airfield Ops Det  
Ft. Riley, Kans. 66442

### BEAR WITH US!

The 10-page PCS Section is a result of the extensive number of address changes associated with the movement of entire units, and the companion lack of editorial space for PCS purposes in the two previous "Annual Meeting Issues." We expect to return to the normal 7-page section in March, 1966.

MURRAY, Thomas E., II  
3240 Delwood, Apt 123  
Del City, Okla. 73115

NEFF, David A.  
RR 1, Box 240  
Marion, Indiana

OLSEN, Floyd W.  
Post Maint, Aircraft Br.  
Ft. Riley, Kans. 66442

O'QUINN, Bryan P.  
79th Trans Company  
APO San Fran 96238

ORLIN, Peter A.  
Ethiopia/US Mppng Mssn  
APO New York 09319

OROS, Michael D.  
HHC, 937th Engr Group  
APO San Fran 96238

OTERSEN, Peter H.  
73rd Aviation Company  
APO San Fran 96291

OWEN, Felix E.  
A Co, 1st Aviation Bn  
APO San Fran 96345

PARKS, Robert H.  
Eighth Army Depot Cmd  
APO San Fran 96212

PERKINS, David L.  
145th Aviation Battalion  
APO San Fran 96307

PRESTON, Lauren M.  
2 Loeber Place  
N Branford, Conn. 06471

PRIBB, Benjamin M.  
D Troop, 1/4 Cav, 1st CD  
APO San Fran 96345

PRITCHARD, Allan N.  
121st Aviation Company  
APO San Fran 96296

QUESSINBERRY, Robert J.  
219th Aviation Company  
APO San Fran 96318

RIEDEL, John M.  
174th Aviation Company  
Fort Benning, Ga. 31905

## LIUTENANTS

RILEY, Daniel C., Jr.  
Advisory Team 58  
APO San Fran 96402

RITZSCHKE, Charles R.  
2337 Parklyn Street  
Pittsburgh 16, Pa.

RUSHATZ, Alfred S.  
Advisory Team 70  
APO San Fran 96314

SAWERS, Charles H.  
4226 Seabrook  
San Antonio, Texas

SCHNEIDER, Edgar H.  
W Main Street  
Galeton, Pa. 16922

SCHWACHENWALD, R.A.  
2807 Sharon Drive  
Min. Wells, Texas 76067

SEAGROVES, Edward O.  
498th Med Co (Hel Amb)  
APO San Fran 96240

SEDAM, John W.  
406 Beetham Road  
Min. Wells, Texas 76067

SIGHTS, Gale E.  
128th Aviation Company  
APO San Fran 96227

SIKES, Milton C., Jr.  
2835 Horseshoe Drive SE  
Atlanta 15, Georgia

SMITH, Edward B.  
219th Aviation Company  
APO San Fran 96318

SMITH, Graham A.  
219th Aviation Company  
APO San Fran 96318

SMITH, Milton F.  
8026 Glendale Road  
Chevy Chase, Md.

SNYDER, William E.  
170th Aviation Company  
Fort Benning, Ga. 31905

SPARKS, Richard A.  
1317 Euclid St., Apt 5  
Santa Monica, Cal. 90404

STOREY, Charles C., Jr.  
120 Walker  
Fort Ord, Cal. 93941

STORRS, Rodric A.  
140 East 58th Street  
Savannah, Georgia

SWARTHOUT, John E.  
419 South Main Street  
Woodsfield, Ohio

SWETT, Michael A.  
Bx 354, RFD 2, East Ave  
Brewer, Maine

TAYLOR, Walter W.  
54th Aviation Company  
APO San Fran 96291

TERRELL, Douglas R.  
505 North Paulina  
Redondo Beach, Cal.

## LIUTENANTS

THORNTON, Robert D., II  
126 McCaskill Street  
Fort Bragg, N.C. 28307

TURK, Sam C.  
521 St Joseph  
Gonzales, Texas

VANCE, James D., Jr.  
197th Aviation Company  
APO San Fran 96307

VOELZER, James F.  
219th Aviation Company  
APO San Fran 96318

VOLK, George F.  
Off Sta Co, Box 5351  
Fort Rucker, Ala. 36360

WARREN, Billy J.  
501st Aviation Battalion  
APO San Fran 96227

WERNER, Charles E.  
221st Aviation Company  
APO San Fran 96296

WIMBERLEY, Edward L.  
Oak Ridge Apts  
Min. Wells, Texas 76067

WITTER, Wayne O.  
1772 Brooks Street  
San Mateo, Cal. 94403

WOOD, Robert T.  
283rd Med Det (Hel Amb)  
APO San Fran 96307

WROBLESKI, Dennis A.  
6457 Ravendale  
Dallas, Texas

WYLLIE, Dale G.  
174th Aviation Company  
Fort Benning, Ga. 31905

YOUNG, Gary B.  
2307 3rd Avenue  
Canyon, Texas

## CWO'S

ALBRECHT, Marvin C.  
518 2nd Avenue  
Collegeville, Pa. 19426

APPLEGATE, Leroy B.  
147th Aviation Company  
APO San Fran 96291

BAILEY, Alonza T.  
147th Aviation Company  
APO San Fran 96291

BENDEH, Lawrence W.  
525 Santolina Road  
Dothan, Ala. 36301

BERRY, Carl S.  
116th Aviation Company  
APO San Fran 96345

BIVENS, Robert D.  
605th Trans Company  
Fort Riley, Kans. 66442

BORCK, Keith R.  
1020 Emporia Street  
Woodbridge, Va. 22191

BROWN, Ulyess V.  
Route 3, College Hill  
La Follette, Tenn 37766

BROWN, William E.  
2nd Avn Bn, 2nd Inf Div  
APO San Fran 96224



## CWO'S

BUBERNAK, Samuel  
178th Aviation Company  
Fort Benning, Ga. 31905

BURGESS, William C.  
Hq, 13th Aviation Bn  
APO San Fran 96215

BURK, Friedrich  
5th Aviation Battalion  
APO San Fran 96490

BURTH, Albert E.  
5307 Hugo Road  
White Bear Lake, Minn.

COLE, Charles H.  
Route 2  
Ozark, Ala. 36360

COLLETT, Benson M.  
2527 A Hagood Street  
Fort Eustis, Va. 23604

CUMMINGS, David L.  
3rd RRU, Drawer 2  
APO San Fran 96337

CURTIS, Raymond L.  
203 Bonn Road  
Fort Ord, Cal. 93941

DAVIS, Conrad  
16 Carey  
Fort Rucker, Ala. 36360

DEASON, Thomas B.  
4th Aviation Company  
APO New York 09029

DENISON, Bryant W.  
HHC, 937th Engr Group  
APO San Fran 96238

DENNING, Stanley P.  
1324 Truman SE  
Albuquerque, N.M. 87108

DICKEY, Kenneth E.  
132nd ASH Company  
APO San Fran 96490

DORIS, Cornelius J.  
41 West Hoyt Street  
Kingston, Pa. 18826

DUFFY, Joseph P.  
1st Aviation Det.  
APO New York 09253

DUGGER, Jay L.  
210 Patrick  
Min. Wells, Texas 76067

DULANEY, Robert A.  
611 Trans Company  
APO San Fran 96291

DUTTON, Thomas E.  
806 West 49th  
Lawton, Okla. 73501

DYE, Charles J.  
USASETAF Aviation Co  
APO New York 09168

ENGLISH, Billy J.  
313 Oak Drive  
Metropolis, Ill. 62960

FERGUSON, Edward O, Sr.  
2612 Mesa Street  
Columbus, Ga. 31903

GEER, Wayne F.  
113 South 5th  
Blackwell, Okla. 74631

GENTER, Billy V.  
804 SE 17th Street  
Min. Wells, Texas 76067

## CWO'S

GIFFORD, Leonard A.  
203 Willow Drive  
Enterprise, Ala. 36330

GIPSON, David C.  
HHC, 1st Bde, 1st Inf Div  
APO San Fran 96345

GOLDMAN, William H.  
1st Aviation Battalion  
APO San Fran 96345

GOODWIN, Curtis L., Jr.  
234 Harris Drive West  
Fort Rucker, Ala. 36360

GRATEKE, Chris L.  
2 Aer Rkt Btry, 2 FA Bn  
APO San Fran 96490

GRAVES, Everett C.  
1499 High Street  
Atwater, Cal. 95301

GUINN, Rendar C.  
Avn Br, Trans Div  
APO New York 09742

HAMPTON, Valentine  
518th MI Group  
APO New York 09757

HAYNIE, Robert R.  
428 North 11th Street  
Lacrosse, Wisc. 54601

HERBST, Joseph A.  
1st Cavalry Division  
APO San Fran 96490

HILL, Ambrose H.  
207 Cottonwood Street  
Weatherford, Texas

HILL, Rollin A.  
92 Maple Avenue  
Canajoharie, N.Y. 13317

HITT, Robert A.  
2526 Rochester Road  
Pittsburgh, Pa. 15237

HOLCOMBE, Albert M.  
539th Trans Company  
New Cumberland, Pa.

HOLLOWAY, Donald R.  
C Btry, 2/20 Arty, 1st CD  
APO San Fran 96490

HUSSLER, John L.  
255th Trans Det  
APO San Fran 96291

ISENMANN, Lester G.  
4th Aviation Company  
APO New York 09029

IWAMASA, Robert H.  
Avn Sec, 2 Bde, 25 Inf Div  
APO San Fran 96225

JENKINS, Teddy F.  
Quarters 2335-C  
Fort Eustis, Va. 23604

JOHNDROW, Harold F.  
HHC, 1st Abn Bde, 1st CD  
APO San Fran 96490

JOHNSON, Robert A.  
HHD, 52nd Aviation Bn  
APO San Fran 96318

KAPLAN, Sandy N.  
224 Magruder  
Min. Wells, Texas 76067

KAUL, Lloyd K.  
4437 Longview Drive  
Columbus, Ga. 31907

KIPE, Omar K.  
216 Lee Boulevard  
Lawton, Okla. 73501

## CWO'S

KISTLER, Russell W.  
197th Aviation Company  
APO San Fran 96307

KITTEL, George W.  
254th Med Det (Hel Amb)  
APO San Fran 96227

KNIGHT, Howard L.  
3603 Highcliff Drive  
San Antonio, Texas 78218

KNOTTS, John W.  
525-D S Valdez Court  
Fort Benning, Ga. 31905

KRIENKE, Albert F.  
170th Aviation Company  
APO San Fran 96318

LANGWASSER, John P.  
68th Aviation Company  
APO San Fran 96291

LOWERY, Roy J.  
228 Magruder  
Min. Wells, Texas 76067

MADDERN, Michael J.  
116th Aviation Company  
APO San Fran 96345

MARTENS, Roy E.  
307 East Brunson  
Enterprise, Ala. 36330

MARTIN, Willard J.  
3rd RRU  
APO San Fran 96307

McCARTT, J.V.  
48th Aviation Company  
APO San Fran 96312

McLARNAY, Patrick E.  
USAPHS  
Ft. Wolters, Tex. 76067

McLAUGHLIN, John E.  
202nd ASH Co, 225th AHB  
APO San Fran 96490

McTIER, Lindy D.  
A Co, 15th Trans, 1st CD  
APO San Fran 96490

MIKEL, Joseph M.  
109 Moore Avenue  
Opp, Ala. 36467

MOATS, Clode J.  
838 Tidball Street  
APO San Fran 96557

MOCZYGEMBA, Norbert  
HHC, 1st Cavalry Div  
APO San Fran 96490

MOORE, Robert M.  
2614 Gore Blvd.  
Lawton, Oklahoma

MOUNTS, Leonard J.  
Route 2, Box 92-A  
Min. Wells, Texas 76067

MULHOLLAND, John D.  
5431 Kenwood Rd, Apt 404  
Cincinnati, Ohio 45227

MURRAY, George, Jr.  
P.O. Box 1277  
Fort Eustis, Va. 23604

NICHOLSON, Thomas W.  
A Co, 2 Avn Bn, 2 Inf Div  
APO San Fran 96220

PAGE, Wesley D.  
122 Ambler Road  
Somers Point, N.J. 08244

PATTERSON, John W.  
2733 Broadmore Drive  
Columbus, Georgia

## CWO'S

POTTER, Harvey B.  
2349 Cornell Avenue  
Columbus, Ga. 31903

POWELL, Johnny L.  
110th Aer Wpns Co, 1 CD  
APO San Fran 96490

PRICE, Frank H.  
Avn Co, 8th SF Gp, 1st CD  
APO San Fran 96490

RHEW, James L.  
919 Shannon Drive  
Fayetteville, N.C.

RHINEHART, Clarence G.  
15th Trans Battalion  
APO San Fran 96490

RIVERA, Felix, Jr.  
HHC, Special Troops  
Fort Rucker, Ala. 36360

ROBINSON, William R.  
Wyoming  
Illinois 61491

SABEY, Walter D.  
506 Edgewood Drive  
Othan, Ala. 36301

St. GERMAIN, David B.  
9 Hall Drive  
Ozark, Ala. 36360

SALTSMAN, Marvin L.  
3924 Pflanz Avenue  
Louisville, Ky. 40212

SAYLOR, David R.  
Hq, Ft. Buckner Flt Sec  
APO San Fran 96331

SHELDON, Donald T.  
B Co, 1 Avn Bn, 1 Inf Div  
APO San Fran 96345

SLIGH, Marion W.  
1011 Erbe Avenue, Apt 5  
Dayton, Ohio 45408

SMITH, Albert G.  
413 Myrtle Drive  
Hurst, Texas 76053

SMITH, Ronald I.  
4231 Roman Drive  
Columbus, Georgia

SMITH, Roy E.  
129th Aviation Company  
APO San Fran 96312

SPRINGER, Bobby W.  
741 Southern Pines Dr.  
Columbus, Ga. 31907

STEELE, Bobby D.  
2820 West Avenue North  
San Angelo, Texas 76901

STOOKEY, Murray V.  
1st SF Group, 6th Abn  
APO San Fran 96490

THOMAS, Robert C.  
2nd Aviation Company  
APO New York 09063

THURMOND, Wymond N.  
301 Godfrey  
Min. Wells, Texas 76067

TORMEY, Robert D.  
3013 Wise Street  
Columbus, Ga. 31903

TURVEY, Clifford V.  
669 Weatherly Drive  
San Antonio, Texas 78239

VERBEEK, Gerald D.  
2509 N Broad Street, 8  
Fremont, Neb. 68025

## **BENEDICTO P. BAYRON**

Warrant Officer Benedicto P. Bayron, an Army Aviator assigned to the 1st Cavalry Division, Vietnam, died as the result of hostile action. The fatality occurred on November 16, 1965. He is survived by his widow, Mrs. Eva J. Bayron, 13B Victory Apts, Columbus, Georgia.

## **ROBERT M. DOWLING**

Chief Warrant Officer Robert M. Dowling, an Army Aviator on assignment to the 197th Aviation Company, Vietnam, died as a result of injuries received in the crash of his UH-1B helicopter on January 12, 1966. He is survived by his widow, Mrs. Mary F. Dowling of 411 North Rock Street, Centralia, Washington.

## **ALTON L. GAJAN**

Chief Warrant Officer Alton L. Gajan, assigned to the 1st Cavalry Division, Vietnam, sustained fatal injuries when his CH-54A Sky Crane helicopter crashed due to hostile action during the conduct of a combat mission on January 5, 1966. He is survived by his widow, Mrs. Murial L. Gajan, 5566 Glenview Drive, Columbus, Georgia.

## **KIRBY S. KAPP**

Captain Kirby S. Kapp, on assignment to the U.S. Army Infantry School, Fort Benning, died as a result of injuries received in the crash of his O-1 Bird Dog aircraft. The accident occurred on December 28, 1965. He is survived by his father, Mr. Stanley J. Kapp, 11031 South Harding, Chicago, Ill.

## **LORENZO Z. KIDDER**

First Lieutenant Lorenzo Z. Kidder, an Army Aviator assigned to the 3rd Armored Cavalry Regiment, Germany, sustained fatal injuries in the crash of his O-1E Bird Dog aircraft. The fatal accident took place on January 12, 1966. He is survived by his mother, Mrs. Edia L. Kidder of 527 West 23rd Street, Jacksonville, Florida.

## **RUSSELL W. KISTLER**

Chief Warrant Officer Russell W. Kistler, an Army Aviator on assignment to the 197th Aviation Company, Vietnam, died as a result of injuries received in the crash of his UH-1B helicopter on January 12, 1966.

# OBITUARIES

He is survived by his widow, Mrs. Hazel M. Kistler, 1501 Seminole St., Dothan, Ala.

## **ROBERT C. LANE**

Chief Warrant Officer Robert C. Lane, assigned to the 1st Cavalry Division, Vietnam, sustained fatal injuries when his CH-54A Sky Crane helicopter crashed during the conduct of a combat mission on Jan. 5, 1966. He is survived by his widow, Mrs. Anna Lane of 1021 Piedmont Drive, Columbus, Georgia.

## **BILLY J. TALLEY**

Warrant Officer Billy J. Talley, on assignment with the 1st Cavalry Division, Vietnam, died as a result of injuries received in the crash of his UH-1B helicopter on November 16, 1965. He is survived by his widow, Mrs. Sandra L. Talley, c/o Mrs. Charlis, 1101 3rd Street SE, Auburn, Washington.

## **JOSEPH D. WHITE**

Major Joseph D. White, an Army Aviator assigned to the U.S. Army Training Center, Fort Dix, N.J., died on January 9, 1966, at the Walson Army Hospital, Fort Dix, N.J. His death was not due to a flying accident. He is survived by his widow, Mrs. Marion E. White, 2908 South Cincinnati Avenue, Tulsa, Oklahoma.

**ALTON L.  
GAJAN**





## CWO'S

VINSON, Jan M.  
Officer Student Company  
Fort Rucker, Ala. 36360

WAYMAN, John R.  
7th Infantry Division  
APO San Fran 96207

WEISENBURGER, Edward  
715 SW 12th Street  
Min. Wells, Texas 76067

WELFARE, Bradley L.  
USAPHS  
Fl. Wolters, Tex.  
WELLMAN, Hubert A.  
23 Montieck Lane  
Fort Rucker, Ala. 36360

WESTERLIN, Dennis R.  
Box 252  
Holdrege, Neb. 68949

WILLS, Walker T.  
3017 Ormand Drive  
Columbus, Ga. 31903

YOUNG, Virgil H.  
Det C, 392nd Trans Co  
APO San Fran 96227

## WO'S

ABPLANALP, Robert H.  
6742 East 38th Street  
Tucson, Arizona

ALLEN, Gene E.  
5026 Collinwood Drive  
Fort Worth, Tex. 76107

ANDERSON, James D.  
3800 Cornish Avenue  
Fort Worth, Texas

ANDERSON, James R.  
10505 Townner NE  
Albuquerque, N.M. 87112

ARNOLD, Merle J.  
129th Aviation Company  
APO San Fran 96312

ASKREN, James D., II  
155th Aviation Company  
APO San Fran 96297

AVDEEF, John  
305 NW 14th Street  
Min. Wells, Texas 76067

BAIRD, Charles E.G.  
6th Avn Plat, 501 Avn Bn  
APO San Fran 96227

BAKER, David L.  
101st Aviation Battalion  
APO San Fran 96296

BALLWEG, John R.  
Box 489, Route 1  
Severn, Maryland

BASINGER, Bailey N.  
5662 S.W. 1st Court  
Ft Lauderdale, Fla 33314

BASNEY, Ronald A.  
173 Atn Bde, 824 Avn Bn  
APO San Fran 96250

BECKER, John J., Jr.  
317 Eufaula Street  
Ozark, Ala. 36360

BIDDLE, Michael B.  
119th Avn Co (AML)  
APO San Fran 96318

## WO'S

BLUNT, Charles D.  
1305 79th Street, Apt 8  
Newport News, Va 23605

BOOTS, James  
129th Aviation Co (AML)  
APO San Fran 96299

BORCHIN, George G.  
4417 25th Avenue  
Sacramento, California

BROOKS, Joseph G.  
Box 194  
Rowan, Montana

BROWN, Robert L.  
Depot Comd Avn Division  
APO San Fran 96212

BRUCE, William C.  
155th Aviation Co (AML)  
APO San Fran 96297

BURGER, Ludwig  
601 South Main Street  
Lawrenceville, Va 23868

CARROLL, Richard C.  
A Co, 229 AHB, 1st CD  
APO San Fran 96490

CASTOR, Heinz E.  
227th ASHB, 1st Cav Div  
APO San Fran 96490

CIELIESZ, Joseph P.  
2726 East Malvern Drive  
Tucson, Arizona

CLARK, Harry M.  
Route 4, Box 108  
Terrell, Texas

CLARK, Scotty L.  
12-D Lloyd Way  
Fort Benning, Ga. 31905

COLIS, Gordon D.  
717 2nd Street  
Devils Lake, N.D.

COOPER, Clayton W.  
19th Trans Company  
APO San Fran 96220

DAVIS, Michael W.  
227th ASH Bn, 1st CD  
APO San Fran 96490

DISMER, John D.  
Box 254  
Princeton, Iowa

DISNARD, Paul J., Jr.  
18 Kingsbury Road  
Norfolk, Massachusetts

DIXON, Archie A., Jr.  
A Co, 229th AHB, 1st CD  
APO San Fran 96490

DUNBAR, Robert A.  
519 Elk Street  
Gassway, W.Va.

EDDY, Gary D.  
1796 Eames Street  
Wahaiwa, Oahu, Hawaii

ELLIS, Paul R.  
119th Aviation Company  
APO San Fran 96318

ERICKSON, James O.  
54th Avn Co, 14th Avn Bn  
APO San Fran 96291

FLECK, Richard L.  
Del Plat, 2nd MI Bn  
APO San Fran 09130

FRAZER, William A.  
176 Repl Co, 38 Repl Bn  
APO San Fran 96220

## WO'S

FRAZIER, Peter W.  
460 East Ridge Street  
Marquette Michigan

FULMER, William A.  
2211 Meadow Lane  
Visalia, California

GOULD, James M.  
44th Engr Group  
APO San Fran 96233

GRAVES, Stanley H.  
17th Trans Company  
APO San Fran 96271

GREENWELL, Richard H.  
P.O. Box 268  
Kealahouka, Hawaii

HAMILTON, James R.  
HHC, 1 Bde, 25th Inf Div  
APO San Fran 96225

HARDISON, Marvin G.  
129th Aviation Company  
Fl. Campbell, Ky. 42223

HELGASON, Hermann  
61st Aviation Company  
APO San Fran 96291

HELM, Pruett B.  
38th Artillery Brigade  
APO San Fran 96570

HILLARD, Rodney G.  
Route 2, Box 130  
Crestwood, Ky 40014

HOLLOWAY, John A.  
A Co, 501st Avn Bn  
APO San Fran 96227

HOLMES, Joseph, Jr.  
HSC, 15th Med Bn, 1st CD  
APO San Fran 96490

INGRAM, Charles R.  
17 West Rue Maison  
Homewood, Ala. 35209

JOHNSON, Bernard F., Jr.  
19 Beardslee Road, RD 1  
Somerville, N.J.

JORDAN, Vincent J., III  
118th Aviation Company  
APO San Fran 96227

KLINKER, Allan J.  
815 Tye Road  
Santa Barbara, Cal 93105

KOLLAR, Eugene L.  
4117 S Toledo Avenue  
St. Louis Park, Minn.

KREINER, Charles H.  
HHD, 30th Engr Bn  
Fort Belvoir, Va. 22060

KUBA, Dennis J.  
USAPHS  
Fl. Wolters, Tex. 76067

LANDERS, Robert W., Jr.  
31 Arty. Allogheny Arpt  
West Milfield, Pa. 15122

LANSFORD, Oscar L., Jr.  
227th ASHB, 1st CD  
APO San Fran 96490

LARSON, Donald J.  
120th Aviation Company  
APO San Fran 96307

LEDERFINE, Richard  
194AHC, 229 AHB, 1 CD  
APO San Fran 96490

LINEBERRY, Gary E.  
USAPHS, Off. Perm Pty  
Fl. Wolters, Tex. 76067

## WO'S

LOUDERBACK, Richard M  
A Co, 2nd Aviation Bn  
APO San Fran 96220

MACPHEE, Norman S.  
2121 1st Avenue SW  
Minot, N.D. 58701

MARLOWE, Alfred E.  
Avn Sect, 50th Signal Bn  
Fort Bragg, N.C.

MASON, Robert C.  
P.O. Box 1491  
Naples, Florida 32504

MATLIS, Robert J.  
15802 Winthrop  
Detroit 27, Michigan

McAFFEE, Rex L.  
Box 4096  
South Daytona, Florida

McGIVERN, Michael J.  
Poplar Street  
Everson, Pa.

MENZL, Albert J.  
21 Algonquin Drive  
Huntington Station, N.Y.

MINNICH, Frederick S.  
Box 4096  
South Daytona, Florida

MOLINATTO, Thomas A.  
709 Esther NW  
Warren, Ohio 44481

MOONEY, Kenneth W.  
C Troop, 1/9 Cav, 1st CD  
APO San Fran 96490

MOORE, Calvin C.  
2018-A Werner Park  
Fl. Campbell, Ky. 42223

MOORE, Gilmer W.  
128th Aviation Company  
APO San Fran 96227

MURPHY, Donald J.  
Off Sta Co, Box 5657  
Fort Rucker, Ala. 36360

MYERS, Maurice G.  
USAPHS  
Fl. Wolters, Tex. 76067

NAY, Charles E.  
15th AG Company  
APO San Fran 96490

NEUHAUSER, Kenneth E.  
128th Aviation Company  
APO San Fran 96345

NIAMTU, John E.  
9th Cav Sqdrn, 1st CD  
APO San Fran 96490

NIELSEN, John R.  
611th Trans Company  
APO San Fran 96291

PARKER, Cecil W., Jr.  
20 Aer Rkt Co, 20 FA Bn  
APO San Fran 96490

PRICE, Waldo H.  
501st Aviation Battalion  
APO San Fran 96227

RAAZ, Dana A.  
19th Trans Company  
APO San Fran 96271

RANDALL, Gaylen N.  
2425 Patte Street  
St. Joseph, Missouri

RANSOM, Arthur H.  
SETAF Aviation Co  
APO New York 09168

---

# CONTRACTS

---

- Switlik Parachute Company, Trenton, New Jersey, for production of 860 100-foot cargo parachute canopies. \$890,186 on Jan. 6 by AVCOM.
- Mills Manufacturing Company, Asheville, N.C., for production of 1,202 personnel parachutes. \$203,784 on Jan. 6 by AVCOM.
- Bendix Corporation, Baltimore, Md. for 3,865 mechanisms for releasing parachute-attached canoes from aircraft. \$231,706 on Jan. 6 by AVCOM.
- Cessna Aircraft Company, Wichita, Kansas, three contracts on Jan. 6. \$1,458,550 for production of doors for the Bell UH-1D helicopter, \$581,000 for additional SUU-7B/A ordnance dispensers, \$173,000 for modification of Cessna O-1E aircraft.
- Lear Siegler, Inc., Instrument Div., Grand Rapids, Michigan, for production of aircraft attitude indicators. \$868,829 on Jan. 10 by AVCOM.
- Consolidated Airborne Systems, Inc., New Hyde Park, N.Y., for production and delivery of pyrometer.
- Curtiss-Wright Corporation, Wood Ridge, N.J., for a variety of aeronautical equipment including seats, cowl plates, bushings, propeller couplings, etc. \$73,424 on Jan. 11 by AVCOM.
- Lycoming Division, Avco Corp., Stratford, Conn., for the production of aircraft engine replenishment repairparts and maintenance equipment. \$3,064,608 on Jan. 12 by AVCOM.
- Janke and Company, Hackensack, N.J., for production and delivery of aircraft hydraulic test stands. \$594,594 on Jan. 12 by AVCOM.
- Lycoming Division, Avco Corp., Stratford, Conn., for continued production of T53-L-7 turboprop engines. \$1,062,328 on Jan. 12 by AVCOM.
- Nance Machine and Paint Co., Wichita, Kansas, for production and delivery of aircraft tie-down kits. \$65,456 on Jan. 12 by AVCOM.
- Bendix Corporation, Scintilla Div., Sidney, N.Y., for delivery of aircraft ignition analyzers. \$88,494 on Jan. 12 by AVCOM.
- Vickers Division, Sperry Rand Corp., Troy, Michigan, for production and delivery of hydraulic pumps. \$252,262 on Jan. 12 by AVCOM.
- ITT Gilfillan, Los Angeles, California, for the production of IFF (Identification Friend or Foe) systems. \$1,050,000 on Jan. 15 by ECOM.

- Aerial Machine & Tool Co., Long Island City, N.Y., for quick release personnel parachute harnesses. \$63,504 on Jan. 17 by AVCOM.
- Jayval Company, Las Vegas, New Mexico, for production and delivery of cargo parachutes with 100-foot canopies. \$2,595,994 on Jan. 19 by AVCOM.
- Curtiss-Wright Corporation, Wood Ridge, N.J., for aircraft engine components. \$87,899 on Jan. 20 by AVCOM.
- Philco Corporation, Newport Beach, Cal., for installation of critical component armor in CH-47 Chinook helicopters in Vietnam. \$550,000 on Jan. 22 by AVCOM.
- Chandler Evans Inc., West Hartford, Conn., for production and delivery of a variety of aircraft replenishment repair parts. \$50,733 on Jan. 24 by AVCOM.
- Bell Helicopter Company, Fort Worth, Texas, two contracts totaling \$12,282,086 for production of rotary wing blades and delivery of main blade assemblies. Jan. 26 by AVCOM.
- Lycoming Division, Avco Corp., Stratford, Connecticut, for production and delivery of aircraft engine components. \$70,643 on Jan. 26 by AVCOM.
- Mills Manufacturing Co., Asheville, N.C., for production of 24-foot personnel parachutes. \$124,700 on Jan. 27 by AVCOM.
- Lycoming Division, Avco Corp., Stratford, Connecticut, a series of nine contracts for aircraft engine components aggregating \$700,038 in value on Jan. 28 by AVCOM.
- Bendix Corp., Aerospace Div., South Bend, Indiana, for delivery of retractable landing gear. \$55,302 on Jan. 28 by AVCOM.
- Lycoming Division, Avco Corp., Stratford, Connecticut, a series of seven contracts for production of aircraft engine components totaling \$1,357,807 on Feb. 1 by AVCOM.
- Boeing Company, Vertol Division, Morton, Pa., two contracts totaling \$10,537,664 for production of aircraft components, on Feb. 4 by AVCOM.



**WO'S**

REDMON, John D.  
413 Baldinger  
Houston, Texas

REEVES, William P., Jr.  
11487 Sherman Wy, Apt 2  
N Hollywood, California

REILLY, Michael B.  
82nd Airborne Division  
Fort Bragg, N.C. 28307

RODGERS, Donald L.  
197th Aviation Company  
APO San Fran 96307

RYAN, Raymond D.  
333 Harding  
Des Plaines, Ill. 60016

SCAMMON, J. Raymond  
391 Main Street  
Cumberland Cntr, Maine

SELLERS, Richard P.  
59th Aviation Company  
APO San Fran 96358

SINK, Stephen L.  
1st Avn Bn, 1st Inf Div  
APO San Fran 96345

SIPPLE, Adrian J.  
4634 Sims Street  
Columbus, Georgia

SMALL, James A.  
7th Infantry Division  
APO San Fran 96207

SMITH, Leslie R.  
11th Avn Co, 1st CD  
APO San Fran 96490

SMITH, Otis L.  
2nd Aviation Company  
APO New York 09063

SPEARS, James C.  
P.O. Box 332  
Riverview, Ala.

STANLEY, Michael E.  
501st Aviation Bn  
APO San Fran 96227

STRELE, Ronald L.  
92nd Aviation Company  
APO San Fran 96238

STICKNEY, Neil A.  
1304 E Avenue G  
Killeen, Texas 76542

STREETER, Gary L.  
119th Aviation Company  
APO San Fran 96318

SULLIVAN, John L.  
71 West 5th Street  
New Castle, Delaware

SWRAT, George W., Jr.  
1109 SE 20th street  
Mineral Wils, Tex 76067

SZCZEPANSKI, Richard D  
USA Avn Test Board  
Fort Rucker, Ala. 36360

TAYLOR, Douglas C.  
HHC, 20th Brigade  
APO San Fran 96490

THOMAS, Harold W.  
33-F Suncheon Street  
Fort Bragg, N.C. 28307

TISDALE, Basil D.  
15th AG Company  
APO San Fran 96490

**WO'S**

VINEYARD, Lawrence A.  
Propulsion Branch, MTD  
Fort Eustis, Va. 23604

WALKER, James R.  
121st Avn Co, Box 93  
APO San Fran 96296

WATSON, Gary N.  
2 Aer Rkt Co, 20 FA Bn  
APO San Fran 96490

WHIGAM, Charles E.  
P.O. Box 1087  
New Smyrna Beach, Fla.

WHITEHEAD, Gordon K.  
USAFHS  
Ft. Wolters, Tex. 76067

**WO CANDIDATES**

MAZE, Robert H.  
2nd WOC Co, Class 66-11  
Ft. Wolters, Tex. 76067

**SERGEANTS**

SWEETMAN, Jos. D., MSgt  
235 West Broad Street  
Darlington, S.C. 29532

HILL, Thomas E., SFC  
Unlv Mob Home Ct, Rt 1  
Cibola, Texas 78108

LOMAS, Hugh D., SSGT  
54 Sheridan Street  
Fort Rucker, Ala. 36360

WOZNAK, Leon S., SSGT  
155th Aviation Company  
APO San Fran 96297

WHALEY, Albert P., Sgt  
177th Aviation Company  
Fort Benning, Ga. 31905

**SP/6'S**

BEARD, Raymond B.  
USA Aviation School  
Fort Rucker, Ala. 36360

CHAMBERS, Leon  
Route 1  
Midland City, Ala.

KNOX, Gilbert C.  
820 Smythe Street  
Fairbanks, Alaska 99701

LEMKE, Henry J.  
478th Aviation Company  
APO San Fran 96490

MRUCZKOWSKI, Leon, Jr.  
71 Novesink Road  
Highlands, N.J.

WOOD, Kenneth R.  
20th ASTA Det.  
APO San Fran 96240

**SP/5'S**

BURCHAM, Richard S.  
School Support Company  
Fort Rucker, Ala. 36360

CRONIN, John W.  
USAF Miss Peru, Box 31  
APO New York 09339

HART, Rodney E.  
Box 1820  
Albrook AFB, Canal Zone

**ASSOCIATES**

ALLEN, Mr. Henry G.  
Route 2, Box F-98  
Durango, Colorado

BEEBE, Mrs. Doris J.L.  
469 Hillman Road  
Akron, Ohio 44312

BIGELOW, Miss Ann M.  
1006 Burton Place  
Melbourne, Fla. 32901

CHARLES, Mr. V.C.  
Rice Paddy Terrace  
APO San Fran 96490

CRAIG, Mr. Donald G.  
17 London Street  
Worcester, Mass. 01610

FITZGERALD, Mrs. M.A.  
3702 El Camino Avenue  
Sacramento, Cal. 95821

GRAY, Mrs. James  
2303 Fairview Drive  
Cedar Falls, Iowa 50613

HARDIMAN, Mrs. Isabelle  
2030 Military Avenue  
Seaside, Cal. 93955

HUDSON, Mr. Earl C.  
1287 Enderbury, Apt 10  
Mehville, Mo. 63125

JASIRWICZ, Mr. Joseph W.  
Sikorsky Field Service  
Stratford, Connecticut

KABURECK, Mr. Ralph G.  
45 Larkspur Drive  
Belleville, Ill. 62221

KIGGINS, Mr. Harold Z.  
WC 20 Exten L.A., Is Verde  
San Juan, Puerto Rico

KOCH, Mr. Edward  
13325 Oakwood Drive  
Rockville, Md. 20850

LINDHOLM, Mr. George  
1403 Houston  
Dothan, Alabama

LONDON, Mrs. Theora  
Route 1, Box 829A  
Columbus, Georgia

MARCUS, Mr. John E.  
268 Pinebrook Blvd  
New Rochelle, N.Y.

MARQUARDT, Mr. C.E.  
4810 Holmeswood Court  
St. Louis, Mo. 63128

McARTHUR, Mr. Robert L.  
AMC Customer Asst Off  
APO New York 09052

ROBINSON, Mr. Jerry W.  
Kauai Hcpr, PO Box 447  
Eleele, Kauai, Hawaii

ROLSTON, Mr. Bert D.  
13436 Boca Ciega Ave.  
Madeira Beach, Florida

**ASSOCIATES**

RYAN, Mr. Jack T.  
4738 South Spring  
St. Louis, Mo. 63116

SCOTT, Mr. Delmont H.  
Enterpriser, Apt 205 D  
Enterprise, Ala. 36330

SMITH, Mr. Ronald W.  
127 Brown Avenue  
Bellefonte, Pa.

THIESSEN, Mr. D.A.  
605 Southlawn Lane  
Rockville, Md. 20850

WHITE, Mrs. Marion E.  
2908 S Cincinnati Ave.  
Tulsa, Oklahoma

**RETIRED**

BOYD, Leslie C., LCol  
133 Raymond Drive  
Hampton, Va. 23366

BROOKS, Frank B., Jr Maj  
APJ, USARV Data Center  
APO San Fran 96307

BRUCE, Wilbur C., Maj  
3422 Ruth Road  
Ft. Worth, Tex, 76118

CROWELL, George A., Maj  
1334 Peacock Avenue  
Columbus, Ga. 31906

GRADY, William H., Maj.  
204 West Brunson Ave.  
Enterprise, Ala. 36330

HELLY, Joseph W., LCol  
411 Brooktree Drive  
Ballwin, Missouri 63011

INGHAM, Ray L., Ret.  
6302 Buena Vista  
Greenville, Texas

MACDONALD, J.D., CWO  
681 Antrim DR., Apt 10B  
Newport News, Va. 23601

MONROE, Melvin C., LCol  
302 W Queen Street  
Inglewood, California

PHILLIPS, Jack R., Maj  
5025 Millers Lane  
Richmond, Va. 23231

PROCTOR, Emmett F, Maj  
404 South Sparkman St.  
Hartselle, Alabama

SHIVLEY, Jowarren B, Maj  
5220 Evaline Lane  
Las Vegas, Nevada 89109

WANN, Henry S., LCol  
Bell Hcpr, PO Box 482  
Fort Worth, Texas 76101

WILLIS, Howard L., CWO  
Route 8  
Hillsboro, Ohio 45133

**RETIRING? LEAVING THE SERVICE?**

If you are leaving Army aviation and wish to keep in touch with many of the friends you've made during your service career, subscribe to **ARMY AVIATION** at \$3.50 for 1-year, or \$6 for 2-years, and keep in touch with them . . . If you don't see their names in the PCS column, provide us with their names and a stamped envelope bearing your address, and we'll take it from there . . . Is it worth \$3 a year to you to keep in touch with your friends? ■



# AAAA QUESTIONNAIRE

MORE THAN 700 MEMBERS GIVE THEIR VIEWPOINTS ON TEN AREAS

## ■ BACKGROUND

During the October, 1965 AAAA Annual Meeting, Chapter Delegates and members were polled on their views on several areas of major AAAA interest. Encouraged by the response to this action, the President then directed the National Office to conduct a random sampling of a larger segment of the AAAA general membership.

## ■ IMPLEMENTATION

Some 3,000 blank questionnaires were enclosed in the first seven Chapter meeting notice mailings in CONUS, riding "postage free" in the envelopes with the meeting notices. By January 21, 724 members had returned completed questionnaires.

## ■ COMPILATION

Each "Yes"- "No" answer possibility was assigned an IBM card column, with data being converted directly from the questionnaires to punch cards. All questionnaires have been alphabetized and retained for later study; many bear longhand suggestions that will require extensive time to review.

## ■ INTERPRETATION

Each reader will assess the survey results, interpreting them in his own way and placing emphasis on those statistics he believes are meaningful.

### ■ 1a. Does the AAAA succeed, partially succeed, or fail to ADVANCE THE STATUS of those in Army aviation?

709 of the 724 provided an answer. In numbers: 304 "AAAA succeeds" 342 "AAAA partially succeeds" and 63 "AAAA fails."

In percentages: 42.8 "Succeeds" 48.4 "AAAA partially succeeds" and 8.8 "AAAA fails."

### ■ 1b. Does the AAAA succeed, partially succeed, or fail to ADVANCE THE OVERALL ESPRIT of those in Army aviation?

715 of the 724 provided an answer. In numbers: 388 "AAAA succeeds" 271 "AAAA partially succeeds" and 56 "AAAA fails."

In percentages: 54.3 "Succeeds" 37.8 "AAAA partially succeeds" and 7.9 "AAAA fails."

### ■ 1c. Does the AAAA succeed, partially succeed, or fail to ADVANCE THE GENERAL KNOWLEDGE AND PROFICIENCY of those in Army aviation?

717 of the 724 provided an answer. In numbers: 310 "AAAA succeeds" 340 "AAAA partially succeeds" and 67 "AAAA fails."

In percentages: 43.2 "Succeeds" 47.5 "AAAA partially succeeds" and 9.4 "AAAA fails."

### ■ 1d. Does the AAAA succeed, partially succeed, or fail to PRESERVE AND FOSTER A SPIRIT OF GOOD FELLOWSHIP among the military and civilian persons whose past or current duties affiliate them with Army aviation?

712 of the 724 provided an answer. In numbers: 480 "AAAA succeeds" 204 "AAAA partially succeeds" and 28 "AAAA fails."

In percentages: 67.4 "Succeeds" 28.7 "AAAA partially succeeds" and 4.0 "AAAA fails."

### ■ 1e. Does the AAAA succeed, partially succeed, or fail to advance those policies, programs, and concepts of the Association of the U.S. Army that are of benefit to AAAA members?

627 of the 724 provided an answer. In numbers: 300 "AAAA succeeds" 278 "AAAA partially succeeds" and 49 "AAAA fails."

In percentages: 47.8 "Succeeds" 44.3 "AAAA partially succeeds" and 7.9 "AAAA fails."

### ■ 1f. Does the AAAA succeed, partially succeed, or fail to advance those policies, programs, and concepts of the National Guard Ass'n that benefit AAAA members?

462 of the 724 provided an answer. In numbers: 117 "AAAA succeeds" 250 "AAAA partially succeeds" and 95 "AAAA fails."

In percentages: 25.3 "Succeeds" 54.1 "AAAA partially succeeds" and 20.6 "AAAA fails."

### ■ 1g. Does the AAAA succeed, partially succeed, or fail to advance those policies, programs, and concepts of the Reserve Officers Assn that benefit AAAA members?

472 of the 724 provided an answer. In numbers: 122 "AAAA succeeds" 252 "AAAA partially succeeds" and 98 "AAAA fails."

In percentages: 25.8 "Succeeds" 53.4 "AAAA partially succeeds" and 20.8 "AAAA fails."

### ■ 2. Do you agree that the AAAA should serve the GENERAL PURPOSES listed in 1a through 1g above?

711 of 724 provided an answer. In numbers: 596 answered "Yes." 115 members answered "No."

In percentages: 82.6 replied "Yes" and 17.4 replied "No."

### ■ 3. If your answer to 2 is "No," indicate the General Purpose that you feel the AAAA should not serve.

Purpose 1g (ROA).....91  
Purpose 1f (NGA).....89  
Purpose 1e (AUSA).....67  
Purpose 1c (General knowledge)....9  
Purpose 1a (Status of AA).....7  
Purpose 1b (Esprit in AA).....3  
Purpose 1d (Good fellowship).....1

### ■ 4. The size, personnel, and activities of the AAAA's National Executive Board have been reported to you at length since April, 1957. Do you feel that the present 34-member National Executive Board (10 elected members, 5 past presidents, 8 National members-at-large, 3 Regional members-at-large, and 8 Chapter members-at-large) represents the Association's 9,000+ members adequately?

690 of the 724 provided an answer. In numbers: 607 answered "Yes." 83 members answered "No." In percentages: 87.9 replied "Yes" and 12.1 replied "No."

### ■ 5. Since joining AAAA, approximately how many individual Chapter general membership meeting notices have you received by first class or airmail cover from the National Office of the AAAA?

708 of the 724 provided an answer. In numbers: 43 said "None." 285 received 1-5 notices; 151 received 6-10 notices; 229 received "More than 10 notices."

### ■ 6. In your opinion, what are the AAAA's two strongest points? (The 6 items below received 50 or more votes.)

- 406 - Magazine as the communications media for Army avn.(56.1)
- 342 - Flight Pay Insurance (48.6)
- 210 - Professional organization for those in Army aviation (29.0)
- 77 - Advances Army aviation (10.6)
- 60 - Liaison between military and industry members (8.3)
- 52 - Preserves and fosters good fellowship (7.2)

### ■ 7. In your opinion, what are the AAAA's two weakest points? (Nine items received fifty or more votes.)

197 - General purposes of AAAA not understood by everyone (27.2)  
187 - Inconsistent Chapter activ-





AAAA-endorsed

#### TO OBTAIN COVERAGE

1. Complete the application form in its entirety.
2. Select your premium payment mode (Annual, Semi-Annual, or Quarterly) and consult the premium table appearing on the opposite side to determine your appropriate premium.
3. Make your check or money order payable to LADD AGENCY, INC. in the amount of the appropriate premium.
4. Mail your check and this application form to LADD AGENCY, INC., 1 Crestwood Road, Westport, Conn. 06882.
5. Allow 2-3 weeks for the delivery of your individual policy of insurance.
6. Consider that you are covered under the Flight Pay Protection Plan on the first day of the month after the post-mark month in which you make application for the coverage.

### APPLICATION FOR FLIGHT PAY PROTECTION PLAN COVERAGE

(Please Print) Rank/Grade Name ASN Years Service for Pay Purposes

ADDRESS.....  
(Post Box Number, Residence or Quarters Address is Desired)

CITY.....STATE.....

MONTHLY FLIGHT PAY?.....ANNUAL FLIGHT PAY?.....

I have enclosed a check or money order made payable to LADD AGENCY, INC. for the correct premium and I understand that coverage under the Flight Pay Protection Plan is to become effective upon the first day of the month after the month in which I make application for the coverage.

I certify that I am currently on flying status with an active U.S. Army or ARNG-USAR unit, am entitled to receive incentive pay, and that to the best of my knowledge I am in good health and that no action is pending to remove me from flying status for failure to meet required physical standards.

Signature of Applicant..... Date.....

THE ANNUAL PREMIUM CHARGE IS 1½% OF ANNUAL FLIGHT PAY.  
THIS COVERAGE IS ONLY MADE AVAILABLE TO AAAA MEMBERS.

I am an AAAA Member;  I am not an AAAA Member. Please forward me an appropriate membership application form.

# Sixteen times as many flight pay insurance claims run for six months or longer...

Does this prove anything to you? . . . It should indicate to you that the great majority of aviators who are grounded for physical reasons remain grounded for extended periods.

Flight pay insurance was never intended to cover short-term illnesses or injuries of less than 90 days, a period during which the Insured could always make up his flight time prior to the loss of flight pay.

Flight pay insurance is intended to reimburse the Insured whenever he loses government flight pay for illness or accidental bodily injury, and it does just this! . . . Your auto collision insurance isn't meant to cover the periodic body scratches made in your car, but to protect you in the event you have a major accident and your car suffers extensive body damage.

Flight pay insurance does the same thing for you! . . . Your take-home-pay is the "car." If you're grounded for physical reasons for a month or two, or even go to a third month before getting airborne and making up your back flight time, nothing's been lost! . . . If you slide into the fourth month of grounding and lose the first month's flight pay, you've only "dented" your wallet slightly, but the Flight Pay Insurance would repair this damage . . . and, of course, if you are grounded for an extended period, your wallet will need major repairs. Don't you regard your month-to-month take-home-pay as being as valuable as your car? Shouldn't you insure both, not just one?

The following analysis of Flight Pay Insurance claims reveals that SIXTEEN TIMES as many Insured members received FPPP insurance indemnities for lost flight pay for 6-month periods or longer, as compared to those who received flight pay insurance indemnities to cover a 3-month period of loss.

## INDEMNITIES PAID

- 29 Insureds rec'd payments for 24 mos.
- 2 Insureds rec'd payments for 23 mos.
- 1 Insured rec'd payment for 19 mos.
- 1 Insured rec'd payment for 15 mos.
- 2 Insureds rec'd payments for 14 mos.
- 2 Insureds rec'd payments for 13 mos.
- 149 Insureds rec'd payments for 12 mos.
- 12 Insureds rec'd payments for 11 mos.
- 13 Insureds rec'd payments for 10 mos.
- 9 Insureds rec'd payments for 9 mos.
- 11 Insureds rec'd payments for 8 mos.
- 10 Insureds rec'd payments for 7 mos.
- 17 Insureds rec'd payments for 6 mos.
- Tot: 258 rec'd payments for 6 to 24 mos.**

## 3-5 MONTHS' INDEMNIFICATION

- 18 Insureds rec'd payments for 5 mos.
- 19 Insureds rec'd payments for 4 mos.
- 16 Insureds rec'd payments for 3 mos.
- Total: 53 rec'd payments for 3 to 5 mos.**

Look at it this way — If you are grounded for physical reasons and lose just one month's government flight pay, you'll recover almost FIVE YEARS of premium payments in your first month's flight pay indemnity check. Looking at it another way, you'll receive an insurance indemnity check that is almost FIVE TIMES the amount of your annual premium for every month in which you suffer a loss.

Where do you personally draw the line, if you don't have the insurance? When would you first feel that perhaps you've made a mistake in not purchasing the coverage? . . . After you've lost one month's flight pay? Three months? . . . A full year of loss?

Why take the chance of losing anything? Over 4,200 Army flight personnel don't take the chance — they hold AAAA-endorsed Flight Pay Insurance.



ities - some excellent, some poor (25.8)

162 - Lack of membership participation (22.4)

146 - Need for more "professional" articles in the magazine (20.1)

132 - "Satisfied; no glaring weaknesses beyond those common to most organizations" (18.2)

116 - Lack of command support within all areas of Army aviation (16.0)

95 - Not enough political recognition (13.2)

70 - Officer-oriented (9.6)

60 - Inconsistent leadership at the Chapter level (6.3)

■ 8. Can you offer a brief suggestion as to how the Association may improve ONE of the two weak points that you listed above? (The longhand replies to this question represented many individual approaches, and did not lend themselves to any statistical tabulation.)

■ 9. Are you a current member of the Association of the U.S. Army (AUSA)?

692 of the 724 provided an answer. In numbers: 401 answered "Yes," 291 members answered "No."

In percentages: 57.9 replied "Yes" and 42.1 members replied "No."

■ 10. In view of the fact that the AAAA's General Purposes include the advancement of those policies, programs, and concepts of the AUSA that are of benefit to the AAAA membership, and the AAAA presently lists AUSA's Objectives and promotes the AUSA Annual Meeting in the magazine, should the AAAA do more to encourage membership in the AUSA?

654 of the 724 provided an answer. In numbers: 171 answered "Yes," 483 members answered "No."

In percentages: 26.2 replied "Yes" and 73.8 answered "No."

■ Analysis of Replies Received by Rank and Grade. Base: 724 replies.

1 general officer, 47 colonels, 121 lieutenant colonels, 257 majors, 130 captains, 36 lieutenants, 52 CWO's, 22 WO's and WOC's, 5 enlisted members, and 53 civilian members.

■ Analysis of Replies Received by Length of AAAA Membership.

9th year members joining '57-'58, 149; 8th year members, 153; 7th year members, 101; 6th year members, 62; 5th year members, 31; 4th year members, 52; 3rd year members, 54; 2nd year members, 70; 1st year members joining '60-'66, 52.

JANUARY-FEBRUARY, 1966

## CHAPTER ACTIVITIES

A 1966-1968 slate of Chapter officers was elected by the members of the NORTHERN ITALY CHAPTER at its January 6 business meeting. Elected to office were Maj. Charles A. Klopp (Pres), Maj. John F. Zugschwertl (EXVP), Capt. Alastair S. Clark (Sec), Lt. Burwin P. Reed (Treas), CWO Harley N. Johnstone (VPA), CWO Donald W. McPeak (VP), and M/Sgt Derald H. Boltin (VFP).

♦ ♦ ♦

Flight Commander William D. Benton of the Royal Canadian Air Force was the guest speaker at the January 13 dinner meeting of the LINDBERGH CHAPTER. His talk covered the unification of the military services in Canada, and was an intelligent appraisal of the complicated problem faced by most of the nations of the world. He discussed the integration of Army, Navy, and Air Forces into a single military entity and the elimination of five headquarters at staff level within the Canadian defense establishment.

♦ ♦ ♦

Starting the year with an "Open House," members of the MOUNT RAINIER CHAPTER met at Fort Lewis, Wash. on January 20 inviting each Chapter member to bring along a potential member as a guest. The Chapter expected the "stag social" to generate additional programming for the late winter and early spring.

♦ ♦ ♦

Charles Black, the Columbus Enquirer reporter who recently returned from Vietnam, told 372 members and guests of the FT. BENNING CHAPTER of his experiences in that Southeast Asia country at a Jan. 25 dinner meeting. At the conclusion of his address, Col. J. Elmore Swenson, chapter president, presented Black with an honorary membership in the AAAA. Distinguished guests at the meeting included Maj. Gen. Robert H. York, Fort Benning commander, and Brig. Gen. O. Glenn Goodhand (Ret.), AAAA's national president (Photo on page 26).

♦ ♦ ♦

Members of the FRANCE CHAPTER went the "full route" on February 11 at the Paris Officers' Club. They participated in a reception followed by a dinner-dance, and elected their 1966-1968 slate of Chapter Executive Board officers

as "after dinner business," a stiff schedule but one duplicated in the past by many Chapter activities. To top off their evening, the members and their wives also viewed the excellent one-hour film on the "1965 Paris Air Show," taken by Col. Robert M. Rawis and currently on loan to the AAAA Film Library.

♦ ♦ ♦

Members of the DAVID E. CONDON (Ft. Eustis) CHAPTER held a February 11 business luncheon at which plans for a March 9 AAAA "Happy Hour" and an April 1 AAAA Dinner Dance at the Officers' Club were formulated.

♦ ♦ ♦

Vietnam's SOC TRANG TIGER CHAPTER held a February 6 combined business-social meeting with the Chapter's election of several new officers to fill existing vacancies being followed by a "social."

♦ ♦ ♦

Hangar flying and a discussion of the Chapter's plan for attending the USAREUR Region's Annual Meeting at Garmisch during March 9-12 were "the agenda" at the LECH RIVER CHAPTER's midday meeting held on Saturday, February 12.

♦ ♦ ♦

Guest speakers at the February 15 dinner meeting of the ILLESHEIM CHAPTER included three members of the 18th Aviation Battalion. Lt. Col. Erwin M. Mitchell, Commanding Officer; Maj. Radcliffe Healy, Safety Officer; and Capt. Robert L. Alan, Flight Surgeon, all addressed the members and their wives.

♦ ♦ ♦

"Marine Corps Aviation in Vietnam" was the subject of an address by Maj. Gen. Louis B. Robertshaw, USMC, at the February 16 dinner meeting of the LINDBERGH CHAPTER. General Robertshaw is the Deputy Chief of Staff (Air) at Headquarters, U.S. Marine Corps.

♦ ♦ ♦

Major General William B. Bunker, the Deputy Commanding General of the U.S. Army Materiel Command, Washington, D.C. was scheduled to be the honored guest and evening's guest speaker at the February 18 dinner meeting of the RICHARD H. BITTER CHAPTER (Corpus Christi, Texas).

# The Army Aviation Association of America, Inc.

## GENERAL PURPOSES

To advance the status, overall esprit, and the general knowledge and proficiency of those persons who are engaged professionally in the field of U.S. Army aviation in the active U.S. Army forces and in the Reserve Forces of the U.S. Army.

To preserve and foster a spirit of good fellowship among military and civilian persons whose past or current duties affiliate them with the field of U.S. Army aviation.

To advance those policies, programs, and concepts of the Association of the U.S. Army, the National Guard Association, and the Reserve Officers Association that are of benefit to the AAAA membership.

## SPECIFIC OBJECTIVES

Fostering a public understanding of Army aviation and arousing a public interest in this segment of the military forces.

Exchanging ideas and disseminating information pertinent to Army aviation through the media endorsed by the Association.

Stimulating good fellowship nationally, regionally, and locally.

Inspiring Army-wide and nationwide interest in Army aviation careers.

Cementing relationships between those interested in Army aviation in the active U.S. Army forces and the Reserve Forces of the U.S. Army.

Motivating Army aviation personnel to increase their knowledge, techniques, and skills.

Maintaining historical records of Army aviation.

Conducting meetings, seminars, symposiums, exhibitions, air meets, etc.

Recognizing outstanding contributions within Army aviation.

Providing special types of group plans of individual benefit to the membership.

## PARTIAL PROGRAM LIST

An AWARDS PROGRAM in which outstanding individual and unit achievements receive National recognition.

A CHAPTER ACTIVITIES PROGRAM in which outstanding industry and military leaders address the widespread Chapter organizations on specific areas of Army aviation interest.

A FILM EXCHANGE PROGRAM in which the member is afforded the opportunity of viewing current developments in the state of the art as por-

trayed through the medium of industry films.

A JOB PLACEMENT PROGRAM in which the AAAA assists the member committed to retirement, separation, or discharge in securing employment within the general aviation industry.

A LOCATOR SERVICE PROGRAM in which the member is assisted in his efforts to keep abreast of the location of his contemporaries.

A SCHOLARSHIP AWARDS PROGRAM in which the sons and daughters of members receive scholarship assistance annually is pursued in conjunction with the AAAA Scholarship Foundation, Inc., a separate, non-profit educational foundation that works closely with the Army Aviation Association.

A SCIENCE AWARDS PROGRAM conceived by the Washington, D.C. Chapter in which the Association endeavors to interest young people in the aviation sciences by sponsoring cash scholarship awards at the Annual Science Fair-International and numerous individual Certificates of Achievement at some 220 local and regional Science Fairs. AAAA individual members serve as judges at local, regional, and national fairs.



BUNKER



ROBERTSHAW

## PHOTOS ABOVE

Major General William B. Bunker (top left), Deputy Commanding General, Army Materiel Command, Washington, D.C., the guest speaker at the February 18 dinner meeting of the Richard H. Bitter (Corpus Christi, Tex.) Chapter.

Shown in the center photo, left to right, are Brig. Gen. Howard F. Schiltz, CG of AVCOM; Eric H. Petersen, Lindbergh Chapter president; Flight Commander William D. Benton, RCAF, the

guest speaker at the Lindbergh Chapter's January 13 dinner meeting; Lt. Col. Homer L. Walker, CP, Army Affairs; and Robert Pettingill, Chapter VP, Public Affairs.

Major General Louis B. Robertshaw (top right), USMC, the Deputy Chief of Staff (Air), Headquarters, USMC, who addressed the Lindbergh (St. Louis) Chapter members at their February 16 dinner meeting on "Marine Corps Aviation in Vietnam."



# ARMY AVIATION

EDITORIAL AND BUSINESS OFFICES: 1 CRESTWOOD ROAD, WESTPORT, CONN. 06880

**POSTMASTER:** If this magazine is addressed to a member of the United States Military Service, whose address has been changed by official orders, it should be forwarded — except to overseas APO's — without additional postage. See section 157.4 of the postal manual.

"RETURN REQUESTED" applies in those instances wherein forwarding is not permissible. The publisher requests the return of the entire issue under the "RETURN REQUEST" provisions of the postal manual.



## What does Bell see in us?

If you designed one of the world's toughest, most durable helicopters, what engine would you power it with?

Probably the world's toughest, most durable helicopter engine. The Avco Lycoming T53 gas turbine. Just as Bell did with their famous UH-1 "Huey," workhorse of Vietnam.

How come the T53?

Because no other gas turbine comes close to the T53's 1,700,000+ operational hours—mostly logged in Vietnam, where Avco Lycoming powers nine out of ten whirlybirds.

And because Bell knows our engines are proved under the most grueling conditions.

In Antarctica, for instance, where they helped helicopters map that continent in consistently sub-zero weather.

And in competition, where they powered Uncle Sam's helicopters to 32 of 35 world records.

Considering this, picking the right engine for a new helicopter should be easy, right?



**LYCOMING DIVISION**  
STRATFORD, CONN.