



**SPECIAL FOCUS:  
AIRCRAFT SURVIVABILITY EQUIPMENT**

# **ARMY AVIATION**

ENDORSED PUBLICATION OF THE ARMY AVIATION ASSOCIATION OF AMERICA • OCTOBER 31, 1992

## **Army National Guard C-23 Sherpa**



# ATRJ

ADVANCED THREAT RADAR JAMMER (ATRJ)

## The Mission Is Clear:

Enhance the Effectiveness  
and Survivability of U.S. Army Aircraft.

## The Solution, Even Clearer:

ITT Avionics . . . Moving into the 21st Century  
with Integrated Electronic Combat Solutions.

ITT Avionics  
100 Kingsland Rd., Clifton, NJ 07014  
(201) 284-5555

**ITT** DEFENSE &  
ELECTRONICS

**PUBLISHER**

Lynn Coakley

**ASSOCIATE PUBLISHER**

Terrence M. Coakley

**EDITOR**

William R. Harris, Jr.

**PRODUCTION MANAGER**

Barbara Ross

**ADVERTISING MANAGER**

Deirdre Frost

**EDITORIAL/PRODUCTION ASSISTANT**

Stephen Moore

**CIRCULATION MANAGER**

Jill Thomas

**CIRCULATION ASSISTANTS**Mary Ann Stirling, Debbie Coley,  
Deb Simons, Mary Ellen Kother

*Army Aviation Magazine* is a professional journal endorsed by the Army Aviation Association of America (AAAA). Title reg. ® in U.S. Patent Office. Registration Number 1533053.

**ADVERTISING**

Display and classified advertising rates are listed in SRDS Business Publications, Classification 90. For advertising information, call (203) 226-8184.

**SUBSCRIPTION DATA**

ARMY AVIATION (ISSN 0004-248X) is published monthly, except April and September by Army Aviation Publications, 49 Richmondville Avenue, Westport, CT 06880-2000. Phone: (203) 226-8184. Subscription rates for non-AAAA members: \$25, one year; \$48, two years; add \$10.00 per year for foreign addresses other than military APO's. Single copy price: \$3.00.

**POSTAL**

Second class postage paid at Westport, CT and other offices.

**POSTMASTER**

Send address changes to Army Aviation Publications, Inc., 49 Richmondville Ave., Westport, CT 06880-2000

**FORTHCOMING ISSUES**

November 1992 — Rotary and Fixed Wing Updates by PMS.

December 1992 — 50th Anniversary of Army Aviation

**FRONT COVER**

Paid advertisement: The Shorts C-23 pictured is operated by the Connecticut Army National Guard. Fifteen additional C-23 aircraft are operated by the ARNG throughout the U.S. from the Virgin Islands to Oregon. The aircraft participated in Operation DESERT STORM, the movement of ARNG equipment and personnel during the Los Angeles disturbance, and Hurricane Andrew relief operations. Photo by SFC Bob Slater.

# ARMY AVIATION

VOLUME 41

NUMBER 10

**GUEST EDITORIAL**

- Aviation in the Post Cold War Army**  
by GEN Frederick M. Franks, Jr.....4

**AVIATION BRANCH UPDATE**

- ASE: Countering the Threat**  
by MG John D. Robinson.....8

**AAAA NEWS**

- AAAA — National Awards Nominations Open**.....62

**AAAA RESERVE COMPONENTS DIRECTORY**

- AAAA Reserve Components Directory**.....42

**SPECIAL FOCUS: AIRCRAFT SURVIVABILITY EQUIPMENT**

- Program Overview: Aviation Electronic Combat**  
by COL Thomas E. Reinkober.....11

- Aviation Survivability Equipment Trainer: A Program Update**  
by John Kamadulski.....14

- The Future of Army Aviation Radio Frequency (RF) Countermeasures**  
by Cheryl Meier.....18

- Army Aviation's Campaign Against the IR Threat is Paying Off**  
by Gregory L. Stensaas.....20

**FEATURE ARTICLES**

- Good Ideas for Army Maintenance**  
by CPT Robert A. Donahue, Jr.....22

- The Army Aviation Advanced Course: What to Expect**  
by CPT Barry A. Midkiff.....27

- Tactical Sustainment of the Attack Helicopter Battalion During DESERT STORM**  
by MAJ George E. Hodge.....29

- Cargo Helicopters in the Korean Conflict, Part 1**  
by Dr. John W. Kitchens.....33

**FIELD REPORTS**

- CCAD's Competitive Edge**  
by COL Thomas E. Johnson and MAJ Janice Manning.....40

- Aviation Logistics and Maintenance Commanders Conference**  
by MAJ Buddy Orr and CW4 George Hrichak.....41

**OTHER DEPARTMENTS**

- AAAA Gifts.....71 CareerTrack.....64  
"Arrivals & Departures".....66 Marketplace.....70  
Briefings.....64 New Members.....74  
50th Anniversary.....72 Scholarship Program.....61



# Aviation in the Post Cold War Army

*Excerpted from GEN Franks' address at the 1992 AAAA Annual Convention,  
Georgia World Congress Center, Atlanta, GA.*

by General Frederick M. Franks, Jr.

**A**s we talk about Aviation in the Combined Arms Team, it becomes apparent that we have lots of challenges facing us. I am going to tell you what TRADOC is doing to meet those challenges; when you read the things we are doing, you will see some of the

challenges that also face Aviation as we build a post Cold War Army.

Our Army is looking at ways of moving into the future, of getting in a balanced stance as a power projection Army. As you look at the implications of power projection, you'll see some of the challenges facing Aviation.

We are not a smaller Cold War Army, we are a post Cold War Army. An Army putting emphasis on winning decisively—that is, winning fast with minimum casualties. Winning decisively presents lots of challenges for the Army and for the Aviation

Branch. It challenges the way we think about roles, the way we conduct operations, and the way we work as a team.



**GEN Franks is Commanding General, Training and Doctrine Command, Ft. Monroe, VA.**

Think about the implications of Power Projection. In the Cold War Army, we had five corps and 28 divisions prepared for global defense. Fifty percent of our combat power was stationed in camps, posts, and kasernes overseas.

In the Post Cold War Army, we will have four corps with regional responsibilities. Twenty divisions prepared to fight any contingency. We will not have room for specialists. We must develop a team that plays both ways, a team that is scrappy and willing to perform many missions. A team that is versatile and agile.

We learned several things during the last few years that will help us field that team. Decisive victory in the Cold War, JUST CAUSE, and DESERT STORM was due to a reliance on a sound doctrine and excellent, relevant training. We had great leaders and soldiers, sound organizations, and a technological edge. All of which allowed us to



# BE THE HUNTER. NOT THE PREY.



In today's combat environment, you can go from the hunter to the prey in a matter of seconds. Vast amounts of threat data from onboard sensors must be processed to make critical decisions. Litton knows every second counts.

We have integrated interactive subsystems for reduction of pilot workload and key information retrieval. Called the Integrated Electronic Warfare Suite (IEW), accurate, multispectral rapid warning threats (EO/IR/RF) are shown on a single display for enhanced situational awareness. And, our proven APR-39A(V)2 Threat Warning System serves as the electronic warfare controller.

The Litton IEWS. Chosen by the U.S. Army.

## **Litton**

Applied Technology

4747 Hellyer Avenue, P.O. Box 7012, San Jose, California 95150-7012

Tel: 408-365-4150 FAX: 408-365-4364 TWX: 910-339-9271

overwhelm the enemy. Our Army had the advantage in DESERT STORM because we possessed all the advantage in every one of these areas.

Army Aviation fielded 14 aviation brigades, 50 helicopter battalions, several separate aviation companies, and 1,832 aircraft which conducted operations in DESERT STORM. They took home many lessons from Southwest Asia.

Many great stories are associated with this victory, like that of the 1st Battalion, 101st Aviation Regiment, then under the command of LTC Dick Cody. Opening the air corridor in Operation EAGER ANVIL to start the air campaign, their Apaches tucked in behind Air Force MH-53J PAVE LOW helicopters, penetrated Iraqi airspace under zero visibility conditions, and destroyed key radar sites in the Iraqi air defense system. They demonstrated great planning and execution in a joint mission as a trained and ready unit. A versatile unit operating as part of a joint mission.

● Another story. Right before the start of the ground campaign, between G-7 and G-2, the 2-229th Attack Helicopter Battalion was conducting armed zone reconnaissance up to the Euphrates River Valley. Intel showed dug-in infantry, so the commander changed the normal "low and slow approach" and did something a little more innovative. Teams of Apaches flew at high speed to the northern limit, and then approached the zone recon flying south into the rear of the entrenched Iraqis. Gun camera videos confirmed the surprised Iraqi positions and recorded the locations for the ground forces that followed on G-Day. Innovative and agile leadership, teamwork. A versatile, agile, trained unit that accomplished their mission in an unorthodox manner.

● During the ground campaign, 1-1 Cavalry of the 1st Armored Division was conducting a movement to contact. CW4 Gary Martin, winner of two DFCs as a MEDEVAC pilot in Vietnam, saw a battalion of T-72s and coordinated for the JAAT. During the mission, his Cobra had a compressor stall. A brand-new Lieutenant from a ground troop conducted a downed

pilot pickup. This 47-year-old veteran aviator and grandfather spent the rest of the war loading TOWs in a Bradley for a 21-year-old Lieutenant. That's teamwork and versatility. That's someone who says: I'll do anything that helps accomplish the mission. That's teamwork in a trained and ready Army.

● Take the attack of the 4-229th, 11th Aviation Brigade, commanded by COL Johnnie Hitt. LTC Roger McCauley, the Flying Tigers battalion commander, received the orders to execute ConPlan BOOT at 1500 on the afternoon of 26 February. By 2100, he had 18 of 18 aircraft heading toward the Republican Guard forces on Objective MINDEN. Tough coordination with all divisions enabled them to get to their firing line. Spread out over 30 kilometers, they engaged and destroyed over 50 tanks in one and a half hours by locking on before and after launch and using a combination of high and low energy tactics. By using the lasers from their own ships, from other Apaches, and from OH-58Ds, they conducted an utterly lethal firefight. They even recocked and sent 12 aircraft back out at 0200 hours in a classic deep attack. Their sister battalion, 2-6 Attack, OPCONed to the 3d Armored Division the next day and conducted a classic close attack as part of the spearhead drive against the Republican Guard. That's a trained and ready aviation brigade.

These are great stories about great soldiers and leaders. The success experienced in DESERT STORM, just like that experienced in JUST CAUSE and the Cold War, was due to solid doctrine; tough, demanding training; the best equipment; and quality, disciplined, tactically savvy soldiers and aviator leaders.

The successes that I have just described were due to ideas that changed our Army about 15 years ago. We had some ideas about the way we wanted to fight. We analyzed the threat and what the Army was going through at the time. That analysis led to AirLand Battle Doctrine.

In the late 1970s, TRADOC began analyzing each of the areas of doctrine, training, leader development, materiel, and organizations and began to reform the



Army. That analysis directly influenced the way this Branch fit into the overall scheme of things. Deep attack, AH-64 acquisition, A<sup>2</sup>C<sup>2</sup> methods, all evolved from the way we wanted to conduct what eventually became AirLand Battle.

We are doing that analysis again to maintain the momentum. At TRADOC, our agenda is the Army agenda. I have taken the TRADOC mission—*prepare the Army for war and act as the architect of the future Army*—and have developed what I believe to be the points of main effort that will help us become the Post Cold War Army, the Power Projection Army.

We have experimented, we have taken a lot from combat lessons, and we can leverage off what we are doing in peacetime. We need to look at doctrine, training, leader development, materiel, and organizations closely. We need to work hard at getting it about right. In no other profession is the penalty for being completely wrong so severe.

Sometimes you might ask: why are we working so hard? Why are the lights still on at night and on the weekend? Why are we conducting NTC rotations at the same pace

we always have?

You know the answer. As Winston Churchill said: "Wars come quickly." We can't rest on our laurels, on the great battlefield victories we have recently won. We have the trust and confidence of the American people, of our soldiers, to be trained and ready when the call comes. Our soldiers and the American people trust us to be out in front of changes, trained and ready when called.

I would like to close with a letter that one of our commanders received after DESERT STORM. It sums up what trust, what maintaining the edge, is all about:

"You will have to excuse me if I don't sound too military. I am not. I am, however, a mom and an American. I believe the training my son received, and the teamwork involved throughout DESERT STORM, kept my son alive. My son has been telling me how you are the best, and seeing is believing."

This is testimony to the importance of what we do, and who it is important to. Testimony to the need for trust and for maintaining the edge. Thank you for all you do. ||||

## Proven Performance



ATIRCM  
Dispenser

As a developer and manufacturer of airborne countermeasure dispenser systems, including the next-generation ATIRCM Advanced Expendable Dispenser, TEK Microsystems is committed to supplying high quality, flexible solutions for your mission requirements.

### TEK's dispenser capabilities include:

- Pod mounted systems for rotary + fixed-wing aircraft
- High capacity systems (up to 720 expendables)
- Interoperability with Army, Air Force, + Navy expendables
- Magazines to support custom + foreign expendables
- Repartitionable magazines
- Payload coding for automatic payload identification
- Automatic test equipment for both flight-line + I-level checkout

Call to find out how TEK's experience can help you meet your mission requirements.

**TEK** Microsystems

TEK Microsystems, Inc. / One North Avenue / Burlington, MA 01803 / 617.270.0808





## ASE: Countering the Threat

by Major General John D. Robinson

**A**s the military restructures for the Post-Cold War environment, senior leaders in the Department of Defense are assessing the future and potential adversaries. Our military forces must be capable of fighting across the entire continuum of military operations. This will be a challenge as our nation's forces are downsized.

Our national military strategy of war avoidance is based on rapidly deployable, lethal, and versatile contingency forces, primarily from CONUS. We will maintain a measure of forward presence, primarily with naval forces and limited ground forces deployed overseas. Based on a probability of occurrence, it is most likely our forces will be involved in some form of Low Intensity Conflict (LIC) and operations short of war rather than a major regional conflict. While LIC operations suggest a relatively low level of intensity, they do not necessarily mean that such forces will not possess high technology weapon systems.

The collapse of the former Soviet Union, coupled with the global village phenomenon, Third World renegades, and countries striving for their independence makes the world a very volatile place. Third World nations have found they can obtain almost any weapon system if they possess hard currency. Low

---

**MG Robinson is Chief, Aviation Branch, Commanding General, U.S. Army Aviation Center and Ft. Rucker, AL and Commandant, U.S. Army Aviation Logistics School.**

cost, lethal, highly mobile air defense weapon systems are currently being sought by a variety of potential adversaries.

Possession of these high technology weapon systems will give the insurgents, renegades, and Third World military forces a considerable capability to counter airborne systems. Along with air defense weapon systems, many nations are buying relocatable ballistic missile technology. The Persian Gulf War demonstrated the capability of relocatable weapons of mass destruction. Future military conflicts will see more use of these weapon systems because they give the effect of mass without the need for large standing forces.

Since its earliest use, aviation in the combined arms team has shown it can radically change battlefield calculus. Throughout history, aviation has provided field commanders with a capability enemy forces must neutralize to be successful. The evolution of air defense weapon systems mirrors the advances in aviation. With each new capability that aviation demonstrates, the air defense community must make adjustments to counter it. Today, the battlefield is covered under an umbrella of friendly and enemy air defense systems. Aircraft survival is largely dependent on tactics, techniques, the effectiveness of on board survivability equipment, and the quality of our aircrew training.

The lethality of modern air defense systems is unsurpassed in history. Today, these sys-

Every year scores of training days are lost or severely limited at the Army Aviation Training Center at Ft. Rucker. Sometimes it's truly bad weather, but more often than not, the culprit is a strong gusty wind or the high density altitude of a hot Alabama day. The result is a waste of taxpayers' money.

## WHY A LITTLE BAD WEATHER WON'T SHUT THIS SCHOOL DOWN.

The answer is the AS350 AStar NTH.

With the inherent stability of its three-blade, semi-articulated rotor system, the AStar has the ability to safely start up and shut down in a 50-knot wind without gust limitations, while some NTH competitors stay grounded at 35 knots, and the current UH-1 trainer at just 30 knots. What's more, the AStar is unbeatable in heat as well, with easily the best out-of-ground-effect hover performance in hot and high density altitude conditions.

But the AStar doesn't just look good on the performance charts, it feels good to fly. Instructors and students alike can have confidence that the AStar will effortlessly fulfill the requirements of the training syllabus without ever approaching the edge of its performance envelope. Add this to the fact that the AStar offers optional air conditioning, and you have the safest, most comfortable and effective training platform available for NTH today. Even when Mother Nature heats up.

**AS350 ASTAR NTH  
READY & ABLE**





tems rely on advanced radar technology, are fully integrated, and computer controlled. Missiles are easily guided by radar energy or heat. The old adage, "if the enemy can see you, they can kill you" is no longer true. With today's modern air defense systems where doppler radar technology has been incorporated, the enemy does not even have to see you to kill you.

So how do we counter the threat air defense systems? We do it through a variety of means. We accomplish it through the use of sound doctrine, training, and the harnessing of high technology.

Our doctrine has evolved over the years and has been proven during the past three armed conflicts. The combined arms team, with its varied capabilities, emphasizes the strengths of each member to minimize weaknesses. The joint aspects of Joint Suppression of Enemy Air Defense (J-SEAD) cannot be overemphasized. The use

improvements are still needed in the MILES/AGES air defense equipment so the employment of ASE realistically impacts the hit/kill probabilities of the air defense systems.

Our industrial base is the finest in the world. We must expand ASE technology research and development to cover the emerging technologies that will confront our aircrews on future battlefields. The effectiveness of current ASE applications has been proven throughout the past three armed conflicts. With the spread of lightweight air defense systems throughout the world, it is increasingly important that our aircraft be protected against the entire family of air defense systems. It is entirely possible we may be confronted with our own high technology weapon systems at some point in time. I feel confident that our industrial base will continue to provide our soldiers with the finest equipment available in the world.

***"It is entirely possible we may be confronted with our own high technology weapon systems at some point in time."***

of intelligence-collecting assets and long range artillery fires, coupled with the jamming of enemy radars by our electronic assets, allows the destruction of enemy air defense weapon systems while minimizing the exposure of friendly forces.

The training of our aircrews must be tough, realistic, and focused. Individual training must include instruction on the capability and limitation of ASE equipment; on board suites must be used during every flight to verify their operation and challenge crewmembers. This training may be conducted using fielded equipment, a combat mission simulator, or the continued use of Aircraft Survivability Equipment Trainers (ASET), such as ASET I, II, III, IV. We always incorporate air defense systems into field training exercise scenario play.

The current Multiple Integrated Laser Engagement System/Aircraft Ground Engagement System (MILES/AGES) air defense equipment is an excellent tool to teach aircrews how to fight and survive against an air defense threat. However,

There is much we can do to confirm the role of ASE in future warfighting. The research and development community and our industrial base can continue to improve our equipment. The ASE installed on our modern fleet of aircraft provides an effective counter to the current threat weapon systems, but we must look to future weapons developments. Our training regimes in simulators, at the combat training centers, and field exercises must provide realistic ASE training opportunities.

Over the past fifty years, Army Aviation has become a recognized combat multiplier. Countries around the world have witnessed the power of our systems and are working on ways to counter our capabilities. Our future successes will be measured by the American people in terms of "Decisive Victory": a quick win, with minimum loss of life and resources. As our nation looks to the future, it is our responsibility to provide for our security. Our mission and focus must always be ... readiness and winning in combat. ■■■■



# Program Overview: Aviation Electronic Combat

by Colonel Thomas E. Reinkober

**O**n 1 July 1992, the Program Executive Officer, Aviation, MG Dewitt T. Irby, Jr., decided to combine the Project Manager (PM), Aircraft Survivability Equipment (ASE), and PM, Avionics, into a new organization called the PM for Aviation Electronic Combat

(AEC). The purpose of this consolidation was to recognize the available resources the two organizations had and combine them into one strong organization. While the new PM interfaces with all Major Subordinate Commands (MSC), of the U.S. Army Materiel Command, its primary focus is through the U.S. Army Communications-Electronics Command (CECOM). The new organizational structure is shown on the following page. As you can see, this new organization maintains a healthy Field Office at CECOM for coordination with all of their functional areas. You also see two offices that deal in the joint arena, the Joint Technical Coordinating Group/Aircraft Survivability (JTTCG/AS) for ASE and Joint Integrated

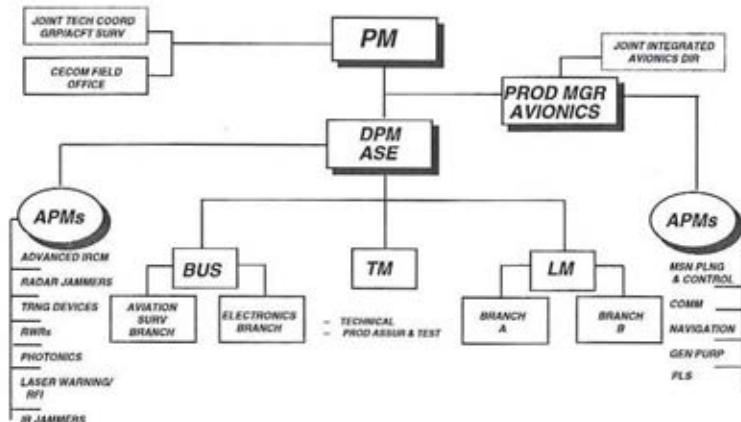


**COL Reinkober is Project Manager, Aviation Electronic Combat PMO, St. Louis, MO.**

Avionics Directorate (JIAD) for Avionics, which will improve the focus and control of our Tri-Service interaction. You will also note there are a large number of Assistant Project Managers (APM), whose positions are both military and civilian. We feel PM AEC will remain an excellent development and training ground for future civilian and military product and project managers. This new organization will provide a single PEO manager for survivability and electronic life cycle acquisition management. This organization and management structure is being looked at as a role model in the tri-service community for maximizing the commonality of sophisticated electronic combat equipment across the services' entire aviation fleet for both developmental and fielded aircraft.

As the new PM for all avionics within Army aviation, we are working with the Director of Combat Development at Fort

**PROJECT MANAGER  
AVIATION ELECTRONIC COMBAT**



Rucker, AL to establish what I call a common architecture for all Army modern platforms. Currently there exists no overall approved architecture for each platform and, therefore, the technology base community has no master plan on how to focus their tech base efforts. It also is clear that the priority list within the aviation mission area does not match up with the available funding in Army aviation. By early fall, the Army Aviation Executive Steering Group will decide on the architecture for each platform and we will work to realign that priority within the Army Aviation mission area.

Another area which I have continued to concentrate on since taking over this PM and being involved in Operation DESERT SHIELD/DESERT STORM, is the establishment of an Army Aviation Electronic Warfare Officer (EWO) in every aviation unit. We have come a long way but we have a long way to go. Army Aviation Branch Chief MG John D. Robinson's people are aggressively developing an EWO program of instruction with plans to implement formal training sometime late this year. Aviation Brigade Commanders have been tasked to identify EWOs in every unit in preparation for attendance in this new training program. My office is actively working with all identified EWOs, we are providing them with our ASET II training capability, and we are also developing an EWO news letter that will

keep every unit EWO updated on current electronic combat events. I have found that the overall knowledge of electronic warfare in each Army aviation brigade is dependent on the knowledge of the EWO in the individual units and is directly proportional to the emphasis being placed on this area by the Brigade Commander. I feel so strongly about this that I am working with the U.S. Army Forces Command Aviation Officer, COL Jim Mowery, to augment his ARMS team with an EWO and a Sergeant First Class from my office who are school trained.

In the very near future, it is my intent to lease a vehicle which will incorporate all of the ASE test equipment and avionics test equipment so I can put on a traveling "road show" at each aviation installation. It is my intent to demonstrate how this equipment can be optimized for maximum effectiveness and to make sure that the individual aviators and maintainers are "trained up" on ASE and avionics and the hardware has a clear bill of health when we leave. I get a lot of comments about how loud I speak and I just want you to know that I am attempting to put my money and my effort where my mouth has been these last two years. Any additional suggestions on how I can help train, equip, and support our aviators in the electronic combat and avionics area would certainly be appreciated.

||||



THE MAN



THE MACHINE

# AEL Night Vision Cockpit Lighting.

**The U.S. military owns the night!**

Commanders agree that Night Vision Imaging Systems (NVIS) give our troops the winning edge. AEL's superior performance is combat proven.

AEL's cockpit lighting technology insures full performance and maximum safety in night operations.

- Full MIL-Spec compliant
- Government-approved testing facilities
- Large-scale production capability
- Experienced in design and modification

For Night Vision cockpit lighting, AEL is the leader for total systems integration.



**AEL Defense Corp.**

Subsidiary of AEL Industries, Inc.  
305 Richardson Road, Lansdale, PA 19446-1429  
Tel.: 215.822.2929  
Fax: 215.822.9165



# Aviation Survivability Equipment Trainer: A Program Update

by John Kamadulski

**T**he Army is in the process of fielding Aviation Survivability Equipment Trainer (ASET) II production courseware and completing the development of the ASET IV threat emitter system. This article will provide a background and discuss the current status and

planned activities with each of these programs.

The ASET II consists of Interactive Video Disc Courseware that operates on the Electronic Information Delivery Systems (EIDS). The Interactive courseware was designed to train aviators on the use and employment of ASE, threat identification and capabilities, and countermeasures and tactics. EIDS were procured by the Aviation Electronic Combat Project Manager (AEC-PM) specifically to support ASET training. ASET II is being fielded on a basis of issue of one per 33 aviators. The ASET II will be fielded down to the unit level and will also support training at the U.S. Army Aviation Center and School, and U.S. Army Intelligence Center and School.

The ASET II program includes several enhancements over the previously fielded

**Mr. Kamadulski is Assistant PM, Aviation Electronic Combat PMO, St. Louis, MO.**

ASET I system. ASET II was developed in two versions; one for Scout, Attack, Utility, and Cargo (SAUC) and another for Special Electronic Mission Aircraft (SEMA). The SAUC courseware contains individually tailored programs for the AH-64, AH-1, OH-58 A/C, OH-58D, UH-60 and the UH-1 aircraft. The SEMA version contains specific modules for the OV-1, EH-1, EH-60, RU-21, and the RC-12 platforms. The courseware is self paced and takes on the average between 18-24 hours to complete.

## Program Composition

Fielding Teams composed of representatives of the Aviation Center and AEC-PMO have been to numerous locations worldwide to support ASET II New Equipment Training (NET). In addition to Aircraft Survivability Equipment Trainer New Equipment Trainer (ASET NET), a toll free technical support hotline has been

# *His Effectiveness in Combat is a Direct Result of His Ability to Survive . . .*

**We're working with the ATCOM/PEO-Aviation Community to ensure success.**

*Increased combat effectiveness through increased survivability of aircraft and crew*

Providing the Full Range of Technical, Programmatic, and Logistics Support

to

*PM-Aviation Electronic Combat and the*

*PM-Aviation Life Support Equipment*



*Serving our military customers from offices in:*  
Huntsville, AL - St. Louis, MO - El Paso, TX - White Sands Missile Range, NM  
Niceville, FL - Washington, D.C.

*Corporate Headquarters*

P.O. Box 11190, Huntsville, Alabama 35814 - Phone (205) 895-8600



● **ASET II TECH SUPPORT HOTLINE**

**MANNED BY CAS DURING BUSINESS HOURS (0900-1700) CST;**

**CAS WILL FOLLOW UP ON ALL CALLS WITHIN ONE DAY**

**HOTLINE PHONE NOS.**

<b>CONUS</b>	<b>1-800-545-2738</b>
<b>PANAMA</b>	<b>1-800-111-0420</b>
<b>SOUTH KOREA</b>	<b>008-1-800-901-8239</b>
<b>GERMANY</b>	<b>0130-81-0439</b>

**Figure 1**

established to support ASET II users in the field (see Figure 1). The hotline is operated by our support contractor, CAS from 0900-1700 CST. An answering service records calls made outside these hours. Fielding of initial courseware will be completed by November 1992.

Enhancements are currently being planned for the ASET II program. Among the enhancements included are additional management mode capabilities, the removal of classified materials from the floppy disks and enhanced screen displays. These enhancements will result in another version of the ASET II courseware to be available by March 1993. In addition, a worldwide fielding conference is being planned at the Aviation Center to discuss future improvements in ASET II.

### **Program Structure**

The ASET IV program was structured to meet a requirement to provide Army Aviators with a realistic threat air defense simu-

lation to train against. Studies identified the optimal mix of threat systems to provide a train as you fight environment for Army aviators. The ASET IV system contains a mix of two AAA systems, two IR systems, one RF SAM, one C<sup>3</sup> vehicle and six Man Portable Air Defense systems (MANPADS). The ASET IV will simulate a threat AD battery minus. The ASET IV system, unlike its predecessor, the tactical radar threat generator, will be equipped with Multiple Integrated Laser Engagement Systems (MILES) for kill and be killed capabilities. The ASET IV systems will be able to move with the troops.

### **Additional Capabilities**

Additional capabilities include the ability to shoot on the move, video taping for later analysis, and programmable emitters that can replicate up to four different threats. The ASET IV system is composed of mostly off the shelf devices that have been integrated into the Army's High Mobility Multi-Purpose Wheeled Vehicle. Included in the



## TACTICAL THREAT TRAINING/TACTICS EVALUATION MODULE(S)



Figure 2

package is the Air Force Unmanned Threat Emitter, the Marine Corps Tactical Defense Alert Radar (TDAR) system, and the Air Force Optical Tracker. The system operation is depicted in Figure 2.

In operation the C<sup>3</sup> TDAR will acquire and track incoming aircraft. An onboard IFF system will identify and monitor the aircraft as they approach the threat systems. Each of the threat vehicles utilizes a GPS receiver and a digital data link to relay their position to the C<sup>3</sup> vehicle. As aircraft targets are displayed, the C<sup>3</sup> operator will make pairings between the threat vehicles and the incoming aircraft. When an aircraft comes within the engagement envelope of a threat system the pairing line turns red indicating to the C<sup>3</sup> operator target hand-off is to occur. The range and azimuth information for the individual threat system would then be passed directly to the threat vehicle operator via radio link.

When an RF SAM or an AAA begins an engagement the aircraft RWR and Jammers will be excited by the RF emissions

from these systems. Under this mode of operation the threat systems will maintain an optical lock on the aircraft. Each of these systems has an ECM receiver that will detect the jammer signal in the training mode. Upon detection of this signal, simulated jamming effects will be initiated, causing them to break lock. If no action is taken the threat system will fire at the aircraft using the MILES.

### A Training Experience

Aviators facing the ASET IV system must know the capabilities and limitations of the threat, how to interpret ASE indication and which tactics to employ. Real-time casualty assessments will give aviators the experience of training in a realistic threat environment. The first ASET IV prototype module will be sent to the National Training Center in October 1992 for a user evaluation. The current draft BOIP has five ASET IV modules going to the Combined Training Centers and one ASET IV module being fielded to each of the Corps within FORSCOM. ■■■

# The Future of Army Aviation Radio Frequency (RF) Countermeasures

by Cheryl Meier

**C**ontinued Army Survivability success stems from the complementary combination of passive and active countermeasures. Foremost in our efforts to provide adequate countermeasures for Army Aviation is the development of a suite of integrated radio frequency

countermeasures. This program, combined with the Advanced Integrated Infrared Countermeasure program and the upgraded laser warning receiver, form the basis of the Army's future countermeasures and solidifies our capability to effectively counter the diversified threats of the modern battlefield.

The Suite of Integrated RF Countermeasures program has been designed to meet these threats and to provide effective countermeasures to support the diversified missions of Army Aviation and other low slow flying aircraft. The Advanced Development contract for the Advanced Threat Radar Jammer (ATRJ), the core element of this program, was awarded to ITT Avionics in September of 1990 through a contract from the U.S. Army Communications-Electronics Command (CECOM), Elec-

**Ms. Meier is Assistant Project Manager, Aviation Electronic Combat, St. Louis, MO.**

tronic Warfare Reconnaissance Surveillance and Target Acquisition Directorate (EW/RSTAD). The use of state-of-the-art technologies are key to the system meeting the challenging performance requirements within strict weight restrictions. Successful progress in all areas of the program has been achieved, permitting the initial developmental and operational testing to begin on schedule in the spring of 1993.

## Program Concept

The thrust of the Suite of Integrated RF Countermeasures program is to break away from the concept of one box for each countermeasure function to an integrated approach to countermeasures, wherein one system provides all the radio frequency countermeasure functions. The ATRJ combines both passive radar warning and high accuracy target cueing functions with active robust radar countermeasures. This is

achieved through an integrated architecture that can receive and process pulse, pulse doppler, and continuous wave signals and then generate appropriate countermeasures techniques required for both self protection and escort/standoff jamming.

## Defeating Complex Threats

The system capitalizes on real time data from other onboard sensors and systems, permitting the generation of complex techniques that are effective against diverse and complex weapon systems. The system responds automatically and provides crew members both audio and visual displays. This system will replace the functions currently provided by four existing counter measure systems in less space, with Less weight (approximately 100 pounds less) and with more capability.

The challenge of developing a compact, light-weight system with these capabilities hinges on several recently matured technologies. The system benefits from the use of advanced technology to achieve the desired reductions in weight and volume. The advanced technologies include the extensive use of Monolithic Microwave Integrated Circuits (MMICs), both digital and analog Application Specific Integrated Circuits (ASICs), and advanced 32 bit processors.

## Improvements in Performance

These technology insertions are also key to the substantial improvement in system performance. The system uses high performance microprocessors to provide adequate throughput (instructions per second) and memory densities to achieve the weight and volume objectives. Additional weight reductions are achieved

through the use of advanced packaging materials in the system chassis and module frames. In addition to the substantial weight benefits, the use of these technologies provides decreased system power consumption, substantial savings in system unit cost, increased system reliability and improved system repair time. The system also benefits from several Defense Advanced Research Project Agency technology insertion programs and technologies matured under the Tri-service Joint Integrated Avionics Working Group (JIAWG) programs.

## Advanced Architecture

The advanced architecture provides for both functional and physical partitioning of the system. This partitioning, coupled with the use of JIAWG standard Electronic Module packaging, common signal processors and multiple data bus interfaces (including a high speed data bus) allows the system to be flexible enough to be applied to both current and future aircraft. The modular approach enhances the system's capability to be configured to meet individual aircraft survivability requirements and meet Scout/Attack, Utility, Special Electronic Mission and Special Operational Forces aircraft mission requirements. The system's ability to provide signal identification and location through post mission processing is invaluable to mission planning. Additionally, the system's onboard reprogrammability features (through MIL-STD-1553 data bus) allow it to respond rapidly to changes in the threat environment that will further enhance the aircrew's survival on the modern battlefield. ■■■■





# Army Aviation's Campaign Against the IR Threat is Paying Off

by Gregory L. Stensaas

**T**he Aviation Electronic Combat Project Manager's Office (AEC PMO) was established in 1970 as the Infrared Countermeasures Project Managers Office (IRCM PMO). Its mission was to consolidate and accelerate deployment of countermeasures to the SA-7

heat seeking infrared (IR) Surface-to-Air Missile (SAM) which was being used by the North Vietnamese with devastating effect on Army aircraft. The response was rapid, less than 4 months, resulting in the fielding of simple, but effective, Infrared Countermeasures (IRCM) that essentially eliminated the threat posed by the SA-7. The Army recognized that future threats to Army Aviation would be much more significant than that posed by the SA-7. As a result, the IRCM PMO grew into the Aircraft Survivability Equipment (ASE) Project Manager's Office, with the mission to ensure survivability of Army Aviation on the future battlefield.

IRCM has continued to be a critical element in the overall ASE protection strategy. The success of the PMO's effort in this area is evident from the success of

Army Aviation during Operation DESERT STORM. It is important to realize that this success was not an accident, but results from an investment in IR Countermeasures that maintained pace with threat advancements.

## History of IRCM Development

The investment began during the mid 1970's concentrating on countermeasures required for IR threats projected for use in a potential Soviet/U.S. European type conflict. The AEC PM developed an IRCM suite taking advantage of nap of the earth tactics. The suite included IR signature reduction provisions, IR jammers, and, in some cases, flare dispensers along with the missile warning systems. This suite of equipment was fielded in the early 1980's and provided good protection for known threats at that time. As it became evident

**Mr. Stensaas is an Electronic Engineer, Technical Management Div, AEC PMO, St. Louis, MO.**

that continued evolution of IR threat technology was seriously eroding the effectiveness of this suite efforts to maintain effectiveness were started. A key effort was development of an improvement to the AN/ALQ-144 IR Jammer. This system, the AN/ALQ-144A, was approved for production in 1989 with a scheduled first unit equipped date of mid 1991. Even though designed for a Soviet/U.S. conflict in Europe which never occurred, it is important to realize that only because of this preparation was the U.S. Army able to accelerate deliveries of AN/ALQ-144A to units in Operation DESERT STORM. Army Aviation was prepared to address those same Soviet threat weapons which were now in the possession of Iraqi forces that had invaded Kuwait. Even when facing the advanced air defense threats available to Iraqi forces, Army Aviation lost only two aircraft, and only one of those was attributable to an IR SAM.

The IR threat has been the predominant killer (approximately 90%) since the 70's. The Army fortunately started early on countering the IR threat with good success. Based on open reports, the other services suffered a large number of aircraft losses in DESERT STORM to IR missiles.

## A Continuing Investment

We must not be lulled into a sense of false security by our successes in DESERT STORM. In order to keep pace with the proliferation of advanced weapons systems from all sources, Army Aviation must invest in advanced IR Countermeasures today. This countermeasure is the Advanced Threat IR Countermeasure (ATIRCM) program which will be capable of effectively countering the diversified IR threats on the modern battlefield, whenever and wherever that may be.

The ATIRCM advanced development contract was awarded in September 1991 to Lockheed Sanders, Inc. (LSI). This program includes an Advanced Threat Infrared Jammer (ATIRJ), two types of Advanced Threat Missile Detectors (ATMD), and an Advanced Expendable Dispenser (AED).

The ATIRCM is being developed to provide a counter to currently fielded advanced third generation and future infrared missiles, as well as the older first and second generation threats. ATIRJ is a replacement for the mechanically modulated resistive source technology (AN/ALQ-144A) that worked so well in DESERT STORM. The ATIRJ uses a directional jamming approach using an off the shelf lamp developed by ILC for current and older threats, and a laser jammer for more advanced threats. The ATIRJ uses sophisticated high speed tracking/jamming gimbal in conjunction with the direction of arrival information provided by the ATMD and an IR tracker to provide the quick, precise jamming response required. The directable jammer may be used in multiples allowing two jam heads to be used simultaneously against different threats or be phase locked to provide extra jamming capability. The integrated concept allows multiple countermeasures, such as flares and jammers, to be used in an optimum countermeasures response.

## Other Benefits

The ATMD integrated with other ASE systems also provides missile information to allow for appropriate jamming response from the jammers and a dispensing capability for multiple expendables. Tek Micro Systems is developing modified payload sensing and coding capability for all expendables and a partitionable magazine to hold those different expendables combined in either a modified M-130 or AN/ALE-47 Dispenser. This when combined with TRACOR AN/ALE-47 sequencer becomes the AED.

An electro-optical missile warning sensor being developed by Loral Infrared System uses an advanced version of the AN/AAR-47 sensor and an IR missile warning sensor being developed by Hughes SBRC uses an advanced thermal electric cooled 256 by 256 Focal Plan Array (FPA) technology. One of these two alternative sensors will become the ATMD to provide ATIRCM the needed sensitivity to locate and characterize threats in different aircraft mission scenarios. Hughes SBRC is also develop-

**(IRCM — continued on page 26)**

# Good Ideas for Army Maintenance

by Captain Robert A. Donahue, Jr.

**T**he United States Army Aviation Center (USAAVNC), Fort Rucker, AL, flies over 25 percent of the Army's annual flight hours on only seven percent of the Army's aircraft inventory, while using less than 10 percent of aviation's repair parts. You may not

notice it while driving through this quiet farming region, but here lies a "business" of hectic, continuous project management—bringing together the people, repair parts, tools, information, and money at the right time, right place, and in the right amount to economically launch over 700 training flights a day.

For over 30 years, the Army, and members of the Defense Aerospace Industry, have teamed up to develop innovations, or "good ideas", to meet this challenge. Here are four of these good ideas:

- Make an agreement or contract between the "operator" and the "maintainer" on maintenance support. Use automation systems to make this agreement work.
- Fix forward with "smart" diagnostic equipment.
- Relook and redesign weapon systems

**CPT Donahue is Chief, Materiel and Systems Management Branch, Ft. Rucker, AL.**

inspection programs.

- Resource to complete actual or anticipated mission requirements, focusing on sustainment, not arbitrary readiness goals.

I think it's important to share these ideas with you for three reasons:

- Weapons systems like Armor's M1 Abrams tank, Infantry's M3 Bradley Fighting Vehicle, Field Artillery's Multiple Rocket Launcher System (MRLS), Air Defense's Patriot Missile, have reached a level of sophistication equal to or even greater than that of Aviation's aircraft. Other Army training centers that manage these weapons can benefit from Aviation's successes.
- Commanders from all the Armed Services, who have to take trained people and ready equipment around the world to fight, must now, more than ever, mind and manage their "checkbooks". There is no longer "free issue" of big ticket items like



# Reflectone: 52 Years in... Training & Simulation

## Total Training Capability

- Worldwide Training Support Services
- Operation and Maintenance
- Logistic Support
- Simulator Instruction
- Full Range of Training Devices
- Instructional System Development

Reflectone has designed, manufactured and fielded nine types of Helicopter Simulators...

HH-52	CH-46D/E	S-76
HH-3F	SH-2F	TH-57C
HH-53C	SH-3H	SH-60F

... All remain in operation today.

Reflectone Looks to the Future...



With an Innovative Approach to Design,  
Field and Support the U.S. Army's Mobile  
Aviator Sustainment Trainers (MAST).



For more information about Reflectone  
simulators and support services call the  
Reflectone Office at 1-800-237-8414

engines, transmissions, avionics "black boxes", etc. Getting to a fight "the Firstest, with the Mostest" now includes managing your money so you can afford to get there. In the Department of Defense (DoD), this program is called Defense Business Operating Fund (DBOF).

● Pick up any newspaper, newsletter, or trade magazine and you will be sure to notice that none of us can afford to have back breaking repair bills from advanced weapons systems. In Army lingo, the effort to curb such bills is called reducing operating and support (O&S) costs.

All three are considerable challenges for everyone in the Defense business. With them in mind, let me now discuss USAAVNC's four good ideas, that might offer some help in meeting these challenges.

### Four Good Ideas

First, the foundation for our good ideas is a contract for maintenance services to economically support 24 hours per day, near combat level flight operations on a small fleet of aircraft. Without using any fancy contract terms, this is simply an agreement between operator and maintainer on how to get a job done, while knowing and staying within the limitations of maintenance capability and budget.

USAAVNC, as the "operator", agrees to provide our maintainers what we need from them in advance—daily mission requirements and an annual flight hour program. In English, this means we try to tell our 2,000 man contractor what we plan on flying both the next day and in the upcoming year. This is not as easy as it sounds considering we launch over 700 flights a day, day in, day out.

In return, we ask the following from our contractor: the performance of providing properly equipped aircraft on time for training; the quality of safe and properly maintained aircraft; and obtaining the lowest cost in terms of labor man-hours and repair parts usage. He manages the resources (parts and labor) to meet what we need, no more, no less.

Of course, we realize our "crystal ball" is imperfect—our daily and annual training needs change. Fortunately, our "agreement" recognizes this. It is flexible enough for us to surge in operations as we did for DESERT STORM and to cut back to meet reduced budgets. Both of these are done "automatically" without costly, time consuming contract modifications and amendments. Balanced incentives (and penalties) for performance, reducing costs, and providing quality aircraft keep our contractors in the "black", and our bill payers and customers—the pilots—happy. In contracting language, this agreement is called a cost plus, multiple incentive contract.

Critical to make this agreement work is a rapid, accurate exchange and availability of information for operators, maintainers, and bill payers—a management information system. Here we have the Army's automated PRISM system—Programmed Real Time Information System, Management. For the operator, it does everything from scheduling the aircraft needed for training with the proper configuration for each flight, to entering the flight hours, pilots' names, social security numbers, etc. to keep flight records on hundreds of pilots. The maintainer gets everything from almost "hands off" ordering and stocking of repair parts to linking a fault on an aircraft to the people who will fix it, plus ordering any needed parts. Of course the bill payers appreciate the fact that PRISM keeps track of and accounts for the annual \$100 million in contract costs and over \$400 million for repair parts.

### Second Idea

The second idea is to design and build diagnostic test equipment that reduces maintenance man-hours needed to find faults in electronic systems, and to reduce costly no-evidence-of-faults (NEOF). NEOF describes a condition where a mechanic thinks, or sees an indication, that a "black box" is faulty, which causes an inoperable system. In reality, the "black box" works; the indication is faulty, and thus the term NEOF. NEOFs are costly because the mechanic spends time swapping out one



perfectly good component with another, and the Army pays to send good components back through the supply and repair pipeline.

"Smart" diagnostic testers or break-out boxes accurately pinpoint faults in a system, saving man-hours in troubleshooting, and reducing NEOFs. Our present contractor designed 14 of these break-out boxes for our AH-64 Apaches. The results from using these are impressive—our Apache electronic systems' readiness increased 35 percent. On one particular system—the Apache's Heading and Attitude Reference System (HARS)—our demand for the \$79,765 HARS black box dropped by 95 percent and a 4-month pipeline of 48 units to 2 units. Together, these break-out boxes let the contractor reduce his personnel requirements by 14, saving Fort Rucker maintenance man-hour costs.

These testers are also "smart" because they are low cost and easy to use. They are designed by the people who will have to use them, carry them, and find the off-the-shelf technology to build them. They are almost "disposable". The HARS tester, for example, cost only \$127 to build, while a similar proposal made to Army "ruggedized" specifications cost \$5,800.

### Third Innovation

The third innovation is the process of re-looking and redesigning how we maintain weapons systems. The focus is on eliminating or reducing redundant or unnecessary preventive maintenance inspections that historically do not find frequent materiel faults. We recently completed such a process on our primary trainer, the UH-1 helicopter. The results are that we can maintain the UH-1 with less man-hours while maintaining the same or better level of readiness and safety.

We reduced the man-hours on a UH-1 daily and a major 150 flight hour inspection by reviewing historical records and determining which inspections found faults, and how frequently these occurred. If an inspection task, with a specific time interval, found many faults, then we kept the time interval. If not, then we increased the inter-

val, therefore reducing man-hours spent on inspections that would not find faults. Why pay for the cost of an inspection that doesn't provide the benefit of preventive maintenance, finding faults?

Of course, safety is our rule, not an exception. Therefore, engineers and logisticians performed risk assessments on any inspection changes to ensure that the benefits from the process far outweighed the risks. Remember, we did not remove any inspection tasks but increased the interval of those that were "unproductive" within a previous time period.

The redesigned UH-1 program, called the 300-hour phase/150-hour special inspection and 15-hour/14-day daily inspection program, is in place, reducing our operating and support (O&S) costs without sacrificing readiness and safe operations. We recently completed the process on our AH-1, and have begun a similar program for its daily and major 150-hour inspection.

There is nothing new here; in the 1950's the airline industry challenged an old assumption that inspection intervals were directly related to reliability. After completing a study similar to Fort Rucker's, a successful program was made for the Boeing 747, and later other aircraft. Let's make this business as usual again.

Finally, one innovation that evolved over the years at Fort Rucker is to pay only for what we will actually fly, not pay to achieve an arbitrary readiness goal. Maintaining aircraft at Fully Mission Capable (FMC) status, even if they do not fly, have fixed costs—costs in man-hours of preparing aircraft with inspections and services, and inventory costs of stocking repair parts, support equipment, tools, etc. Fort Rucker could not afford, for example, to routinely maintain a fixed readiness goal of 80 FMC aircraft out of 100, if we needed only to fly 40 training missions. These costs between what we "need", number of aircraft to meet training requirements, and what is "wanted", fixed readiness goals, would quickly drain budgets and critically over-extend maintenance capabilities.

Of course, there is a need to maintain a certain inventory of aircraft to manage and



balance the often competing requirements of training and maintenance. It also makes sense to pay for spare FMC aircraft to be prepared for the inevitable "unscheduled" faults. However, USAAVNC has found that you can effectively train on and manage complex weapons systems without having to rely on readiness goals that do not coincide with the goals of performance, quality, and reduced O&S costs.

Further, our surge in flight training for DESERT SHIELD/STORM, setting unprecedented records for flight hours on aircraft like the CH-47D aircraft, showed that training centers (and possibly warfighting units) can transition from a peacetime training operation tempo to a wartime footing without the "buffer" a constant readiness goal provides.

You can call this "Just In Time" project management, etc. but I have heard it called sustainment—maintaining a level of weapons systems readiness that is carefully based on:

- the time period the weapons systems (or unit) will need to operate at this level;
- the environment the systems will operate in;
- and the resources available to maintain the weapon at this level.

You must consider them all to get a true picture of "readiness". Fort Rucker is sustaining, and it is working.

What I have done is given you some of the innovations—a good contract, "smart" tools to fix on the flight line, continuous improvement of inspections, and the concept of sustainment—that have let Fort Rucker, for over thirty years, do a lot of safe flying, for a pretty good dollar. Spread the word, and let's see if you and others can use them. IIII

## IRCM

(continued from page 21)

ing a state-of-the-art thermal electric cooled 128 by 128 FPA for the high resolution IR tracker to track incoming missiles detected by the missile warning systems.

The ATIRCM program integrates multiple functions using algorithms and real time

interfaces to communicate with other ASE and avionics to provide countermeasures for any situation. ATIRCM subsystems are designed in a modular building block fashion to allow countermeasures to be adapted to future battlefield and platform needs from the very simple to the very complex. This will provide for affordable and effective survivability features vital to the future success of Army Aviation.

ATIRCM's state-of-the-art technologies will yield highly effective countermeasures while considering pilot and maintainer workloads, operator friendly interfaces, cost, affordability, handling, and commonality requirements among the other services. ATIRCM continues to focus on utilizing Joint Integrated Avionics Working Group (JIAWG) specifications and thrusts toward common architectures, and common packaging requirements (Standard Electronic Modular-Site E).

### Continued Commitment

The ATIRCM system represents the investment in the future that will save the lives of Army aviators in the next conflict involving Army Aviation. Hopefully, we will not need it, but history shows that is a risky bet.

If we do not invest now, it will be too late because the IR missiles being proliferated around the world today demand sophisticated countermeasures. The survivability and continued combat effectiveness of Army Aviation depends on a continued commitment to this investment.

Today, the Aviation Electronic Combat, Project Manager's Office (AEC PMO) within the Program Executive Office (PEO) for Aviation is chartered to provide protection and increase combat effectiveness for current and developmental aircraft so they can accomplish their mission on the modern battlefield. To this end, the AEC PMO supports every aircraft PM within the PEO, Aviation and all fielded aircraft PMs within the U.S. Army Aviation and Troop Command (ATCOM). In addition, AEC PMO is working to protect the platforms and crews of the other services with ATIRCM due to similarities in aircraft and mission requirements. IIII

# The Army Aviation Advanced Course: What to Expect

by Captain Barry A. Midkiff

**W**hat do you expect from the Aviation Advanced Course? We all know it is time away from soldiers, no late night phone calls, no long hours at the office, and extended hours in the field. No worries about hand receipts, legal actions, and all the taskings

that appear at 1630 with a suspense of 1700. The advanced course is a time of personal responsibility. You are only accountable for yourself.

Many comments have been tossed around about the Advanced Course: "It's the best six months of your life"; "They deliberately give you time away from units ... it's a break"; "It'll take four shots off your golf game"; and, "It's total quality, family time." I should have listened to the advice of my first First Sergeant. He said, "Lieutenant, the Army is full of rumors. Believe none of what you hear, and only half of what you see."

## History of the Advanced Course

The Aviation Advanced Course began in 1984, shortly after Aviation became a branch. Like the branch, the Advanced

**CPT Midkiff was attending the Aviation Advanced Course, Class 92-3, when this article was written.**

Course has progressed rapidly and undergone many transformations. Originally, the course was structured for a subject matter expert to teach selected subjects to the class. This type of instruction is often referred to as "big bedroom" because the classroom is large (seats approximately 120) and the opportunities for breaks in concentration, i.e. napping, are plentiful. A class would just see a progression of these subject matter experts in their six months of the course. It was true then as well as today, that many of the subjects selected for study are dictated by Training and Doctrine Command (TRADOC). In the early days, the Advanced Course was still referred to as the "Career Course". At that time, to receive an Exceeded Course Standards, a student must have graduated with a 90% academic average, a 90% communicative skills average, and a 270 or above score on the Army physical fitness test. Additionally,

the course contained 690 hours of academic instruction.

Army Aviation soon led in TRADOC methods, searching for better ways to provide quality professional education for their future commanders. In 1987, the course quickly responded to TRADOC initiative and instituted a new concept of instruction. This was Small Group Instruction. The class is broken into five or six groups of 12 to 16 students. Under the newly adopted small group method, instruction is conducted on a more personal scale to ensure the graduates receive quality instruction. The small group instructors are senior Captains who have successfully commanded at the company level and have solid performance profiles. The original TRADOC guidance for small group instruction was 50% small group and 50% Subject Matter Expert (SME). Considering the amount of effort needed to restructure a course of this size, Aviation set the standard in its first year of SGI at 45% SGI and 55% SME. In 1988 this ratio grew to 57% SGI/43% SME. Additionally, the course load rose to 716 academic hours within the same amount of training days. It seems the roots of today's Advanced Course were firmly planted by 1987, and the Aviation Advanced Course became a role model for other service branches.

### Today's Course

What should the senior First Lieutenant or young Captain expect when he reports to the Aviation Advanced Course today? What are the standards he is expected to obtain? What is the future for the Advanced Course?

Today, the incoming Advanced Course student can expect to be fully challenged. The Program of Instruction calls for 752 hours of Academic Instruction in the following areas: Military Justice; Threat Doctrine and Organization; U.S. Doctrine and Organization and Battlefield Operating Systems (BOS); Aviation Logistics and Maintenance; Aviation Operations; and Practical Exercises. There is also a comprehensive final which is included in the student's academic grade. The student

must also complete six writing assignments outside the classroom. These include the following: a letter of recommendation/reprimand; summary essay; decision paper; battle analysis; article for publication; and a book report. In order to graduate, the student must receive a passing rating (commonly called "a go") on five out of six of the assignments. However, academics alone do not make a total leader, and they do not make an Advanced Course Graduate today.

Academics make up only half of the points necessary to graduate in today's course. A student's grade for the course is based on 1200 available points; 600 points are possible in academics, 300 for the final APFT, and 300 subjective points are awarded by the Small Group Instructor. These subjective points are evaluated on leadership skills demonstrated by the student in the team environment, and are based on the nine leadership competencies outlined in FM 22-100, *Military Leadership*. This recent development strives to recognize those qualities of leadership that are not always quantifiable. Recent trends for Honor Graduates are an academic average of above 95%, APFT 285 or above, and 285 SGI points.

Many of the changes the Advanced Course has undergone are due to critiques written by the students themselves. Each critique is reviewed by the SGI and forwarded in writing up the chain of command. The Advanced Course is constantly seeking to improve the training and to incorporate ideals from the Total Quality Management team at Ft. Rucker, AL. The biggest change recently is the ratio of small group instruction to subject matter expert. The course is now 80% SGI and 20% SME. This does not mean the instructor puts students in a small room and lectures to them. On the contrary, students are given many opportunities to excel. Students are given outline programs of instruction and are tasked to teach selected classes to their peers in the small group. The small group instructor is there to fill in any gaps in instruction and to facilitate discussion.

**(Officer Course — continued on p. 59)**



# Tactical Sustainment of the Attack Helicopter Battalion During DESERT STORM

by Major George E. Hodge

**T**here's no such thing as a tactician or a logistician—you're both or you're neither.' These are the words of the Commander of the 2nd Battalion, 229th Attack Helicopter Regiment (Flying Tigers), LTC William H. Bryan.

In early January 1991, the 2-229th AHR was alerted to move from King Fahd International Airport forward with the 2d Infantry Brigade, 101st Airborne Division (Air Assault) in support of the defense of Hafr Al-Batin. For the next 75 days, the battalion was on the move across Saudi Arabia and Iraq. Along with this trek was the arduous task of keeping ahead of the battalion in all classes of supply and services.

Task Force 2-101 (2d Brigade, 101st Abn Div) moved its Brigade task force, including the 2-229th Attack Helicopter Regiment, into a defensive position near Hafr Al-Batin.

This move required a tremendous amount of line haul support to get the Brigade's assets into position in a timely manner.



MAJ Hodge was XO, 2-229th AHR, and is currently an instructor at the CGS College, Ft. Leavenworth, KS.

The challenge for the 2-229th Attack Helicopter Regiment actually began once the unit was positioned and the line hauls went away. Three days after arriving near Hafr Al-Batin, the battalion had to reposition about 40 miles. This time, it was done without the support of the division's line haul assets. In the following 70 days, the battalion would move six more times and conduct sustainment operations for three different sites over 100 miles apart with little external assistance.

In order to keep the battalion moving, the XO organized a "tactical sustainment task force" consisting of the S-4, Headquarters, Headquarters Company (HHC) Commander, and Class III/IV Platoon Leader.

Keeping enough ammo and fuel forward was the priority for the battalion. The battalion ammunition load consisted of over 400 Hellfire missiles, 600+ 2.75 inch rockets, 9500+ 30mm rounds, plus additional

Stinger air-to-air missiles, small arms ammunition, pyrotechnics, hand grenades, and other assorted munitions.

The ammo was configured into useable sets. Hellfires were banded into 3x3 and 3x4 sets and placed in the HEMTTs. 70mm Rockets were broken out of the boxes and kept in their fibers and covered with a tarp. 30mm was at the ready in the can.

Jet A AVGAS was transported in the HEMTT fuel tankers. Two 500 gallon blivets were filled with diesel and MOGAS for the ground support equipment.

All 76 vehicles were packed to their maximum capacity with extra rations, water, tents, stoves, and other items for sustainment. Only about two dozen vehicles did not pull some kind of trailer.

The unit moved out in four echelon serials. The first echelon, Echelon A, was normally composed of the aircraft, the Battalion TAC, and the III/V platoon, all under control of the Battalion Commander. Echelon B, under control of the HHC Commander, was the TOC, AVUM contact teams, and quartering parties from every section. Echelon C was the rest of the main body elements, along with the combat trains under the control of the Battalion XO. The last echelon was the Aviation Logistics Operations Center (ALOC) elements and the remaining AVUM assets. This echelon was under control of the S-4.

### **Reconnaissance Sustainment**

During the period from 17-23 February 1991, the battalion conducted cross border armed reconnaissance missions into Iraq, checking out the terrain that it would soon be occupying and recording the pictures of the terrain using the Apache's on board camera. Not only did they bring back real-time information, but they also videotaped the Apaches engaging the Iraqi bunker complexes and the surrender of some of the more than 500 prisoners that the battalion routed. The AH-64s were conducting these operations with one 230 gallon external fuel tank on one of the two in-board wing stations. Sustainment of the battalion during this time was quite easy. All that was expended was less than 1,000

rounds of 30mm, two dozen rockets, and 20,000 gallons of JET A.

On 24 February 1991, the battalion headed north across the border approximately 90 miles into Iraq to establish Forward Operating Base (FOB) Cobra. Despite bad weather conditions and several delays, the battalion closed all the aircraft and the ground assets (minus Echelon D) into FOB Cobra by 2300 on the 25th.

Two days later, the battalion moved again. This time, it moved approximately 115 miles east towards Basrah. Based on the briefing from the Aviation Brigade, 101st Airborne Division (AASLT), FOB Cobra was to be an intermediate stop on the way to the Euphrates River Valley or towards another objective to the east. These contingencies made it obvious that the tactical situation would be extremely fluid and fast moving.

### **Principles of Sustainment**

Keeping this in mind, the battalion followed these general principles of tactical sustainment during Operation DESERT STORM:

- Sustainment planning is an integral component of all tactical planning
- Sustainment must be conducted as far forward as possible
- Unit supply must be system-pushed rather than requisition-pulled
- Every available means of transportation must be used to keep support flowing
- Protection of Combat Service Support (CSS) units and facilities is intrinsic to the sustainment effort.

The first order of business was to integrate everyone into the tactical planning. The unit did away with the standard "Paragraph 4, Service Support" way of doing business and went to a "tactical sustainment plan" that was briefed to the commander by the XO. The key players of the tactical sustainment plan included the S-3, who would give his requirements to the XO. The XO would in turn translate the S-3's tactical mission requirements into a sustainment plan and use the S-4, HHC Commander, and III/V Platoon Leader to execute the plan. The S-4 was the coordinator for resources outside the battalion and the

## INTEGRATING ASE AND PROVIDING SITUATION AWARENESS ...



### ERI's SENSOR FUSION PROCESSOR

# ERI

## Government Systems Division

*for Innovative Applications  
of People and Technology...*

**ELECTRO-RADIATION INC.**

39 Plymouth Street  
Fairfield, NJ 07004-1615  
TEL (201) 808-9033  
FAX (201) 808-9557

HHC Commander for the resources inside the battalion.

● **Forecast**—after the S-3 received the mission from higher and began his mission analysis, the XO would assist in sustainment planning. The first step was to forecast the requirements, since most missions involved extended operations. This was a matter of taking the commander's intent and determining the duration of the operation, the posture level of the unit, and the ability to continue combat operations at the conclusion of the mission.

● **Estimate**—the next step was to estimate the amounts of supplies that were required for the mission. This normally involved the "stubby pencil" drill based on the most recent data from previous operational missions. This data base was refined each time the unit executed missions and became quite accurate as time progressed. The biggest obstacle in the estimate process was that it normally produced a figure that exceeded the allocated resources in more ways than one. That became the next step.

● **Resource**—resource the requirement. This involved trying to find a supply site that had enough of a quantity of the supply item on hand, then trying to figure out a way to move it a considerable distance over a marginal road network under less than ideal conditions. This necessitated a

tremendous amount of coordination, mainly because the battalion had limited supply stockage capability and transportation assets. The battalion's HEMTTs were normally up-loaded with a part of the Unit's Basic Load (UBL) and could not afford to be downloaded for more than short durations. Higher headquarters as well as adjacent units were a source of additional transportation assets on numerous occasions. However, this forced the unit to rely quite heavily on its Command Aviation section UH-60Ls to bear a good portion of the line haul mission.

● **Execute**—the last step was to execute the sustainment plan. After the first three steps were completed, a tentative plan was laid out. The principles of the execution phase were to first task organize the team.

The XO acted as the control node. He would get from the S-3 a "delivery window" that would specify a location, a "No Later Than time" and a specified posture. An example would be: "10,000 gallons of Jet A1 at grid XX123456, NLT 0800, ready to pump straight into the aircraft." The S-4 would make the arrangements for the bulk fuel draw. The HHC commander would provide the III/V Platoon Leader with anything he needed to draw fuel and deliver it to the specified location, such as additional drivers, maps, LORAN, or any other items.



If for instance the item was a 500 gallon blivet of MOGAS, then the HHC Cdr would probably send it by external load under one of the UH-60s instead of putting a vehicle back on the road.

Once combat operations broke out, the XO went forward and worked out of the TOC to "pull" supplies forward. The S-4 was located back in the rear CP, which was located close to the brigade rear CP. He acted to "push" supplies forward to the XO. The HHC Commander was normally forwarded with the XO configuring "wholesale supplies" into a "retail configuration" and executing the link-up with the users.

The second step was to brief and back brief the plan. This included contingency planning. Every mission the battalion planned included a back-up plan. The backup plan addressed vehicle breakdown,

in on FOB Cobra which was approximately 90 miles north of the Saudi Arabia/Iraq border. Two days later, the battalion jumped approximately 115 miles east towards Basrah, Iraq to establish FOB Viper. Then, four days later, they moved back to FOB Cobra.

During these moves, the ground convoys moved after dark. Each convoy was task organized based on what needed to arrive first, which was normally fuel and ammo. Each person carried two days of rations and water. The follow-on echelon included tentage and an additional two days of rations and water. By the time the follow-on echelon closed in with the first echelon at the FOB, the XO and S-4 had arranged for a delivery of mail, bottled water, and hot food within the next 48 hours to the FOB. Delivery was normally executed using the



lost commo, bad weather, abort criteria and a No Later Than time that if the supplies hadn't shown up, then the backup plan was activated. If the supplies failed to show up by the specified time, the mission was modified. This may involve diverting aircraft to another unit's FARP, or borrowing a minimal amount of supplies from another unit, or even executing the mission in a reduced posture. The unit found from experience that a minimum number of combat-related supplies could be kept on hand or scrounged without significantly impacting on the unit. The only major effect was that the unit was forced to deplete its reserve cache to meet the mission, and had to re-supply both the users and the cache load.

The greatest sustainment challenge for the battalion occurred during combat operations between 25 February-3 March 1991. On 25 February, the battalion closed

UH-60s, because of the extended distances and timeliness.

During this period, the III/V Platoon Leader was decisively engaged with the FARPs, the HHC Commander "pulled" the ground convoys which included the first echelon elements, and the XO "pushed" the remaining elements, which included the follow-on sustainment package. The S-4 remained at the rear CP during this time, and focused his effort on obtaining "wholesale supplies" and configuring them to be sent forward.

Items that contributed to the sustainment success of the unit include the L model UH-60 with its 701C engines, the reliability of the HEMTT and HMMWV multi-purpose all-terrain vehicles, and the HF RATT rig. However, it took the operators, planners, and executors to put it all together and make it happen.

IIII

# Cargo Helicopters in the Korean Conflict, Part 1

*Fourth in a series of articles chronicling the history of Army Aviation*

by Dr. John W. Kitchens

**W**hen the Korean Conflict began on 24 June 1950, the Army had only 56 helicopters in its inventory. All of these were what were then called utility aircraft—52 Bell H-13B Sioux and four older model Bell YH-13As.

When the fighting ended in July 1953, the Army had an inventory of more than 800 helicopters. These consisted of 460 H-13s, of which 405 were the newest E model; 262 Hiller H-23 Ravens, most of which were the improved B model; 72 Sikorsky H-19C Chickasaw cargo helicopters, and 13 Piasecki H-25A Army Mule cargo helicopters. Approximately two-thirds of these aircraft were acquired during the last year of the conflict, and fewer than 200 reached Korea before the war ended. The Army received its first Piasecki (Vertol) H-21C Shawnee in September 1954—over a year after the conflict ended.

The Army completed plans for organizing and training five transportation

**Dr. Kitchens is the Aviation Branch Command Historian, USAAVNC, Ft. Rucker, AL.**



helicopter companies within six weeks of the beginning of hostilities. Because of the shortage of cargo helicopters, however, and especially because of Air Force opposition to any expansion of Army Aviation, the first of these companies did not become operational in Korea until March 1953, about four months before the end of the war.

Since the birth of Army Aviation in 1942, the Army Ground Forces/Army had repeatedly attempted to expand its air arm and escape restrictions and controls placed upon it. Conversely, the Army Air Forces/U.S. Air Force had repeatedly tried to eliminate or absorb the ground forces' air arm, which was perceived as a rival for scarce resources. Failing to achieve that objective, the Air Force was determined to prevent Army Aviation from expanding its mission.

In mid 1950, the mission of Army aircraft was controlled by the terms of three major documents—the National Security Act of

1947 (which had created the U.S. Air Force), the Key West Agreement of 1948, and the Joint Army Air Force (JAAF) Adjustment Regulations 5-10-1 of 1949. These documents tended to restrict the missions of Army aircraft to observation, reconnaissance, local messenger and courier service, emergency wire laying and evacuation, and limited aerial resupply and photography.

Other aerial functions, including non-emergency courier, messenger, evacuation, supply, photography, and wire laying were assigned to the Air Force. The Air Force also controlled procurement, research and development, and much of the training and maintenance for Army aviation. Furthermore the weight of Army helicopters was not to exceed 4,000 pounds when empty.

During the early years of the Cold War, the Air Force neglected both the Army's requirements for and research and development relating to helicopters and other light aircraft. The low priority given to the aircraft and air support needs of the ground forces caused some Army leaders to attempt to have the Army assume greater responsibility for its own aircraft development and procurement and for its own air support. The Army's efforts to procure and employ light cargo helicopters during the Korean War era constituted one more chapter in the continuing rivalry between the two services.

### **Genesis of the Program**

Since the end of World War II, GEN Jacob L. Devers, LTG James M. Gavin, and several other Army leaders had urged the Air Force to develop and procure cargo helicopters to provide aerial support to the Army. Little development and even less procurement had occurred. The genesis of the Army's own cargo helicopter program was the establishment, in November 1949, of requirements for large helicopters capable of transporting personnel, cargo, and equipment.

Notwithstanding the restrictions regarding the size and functions of Army aircraft, an Army Field Forces Board No. 1 study report, dated 16 November 1949, stated that

the Army had requirements for five types of helicopters. Three of these (one 8,000 pound cargo and two flying crane types) were larger than the maximum size permitted by the JAAF Adjustment Regulations of 1949.

Plans Division in G-3 began to explore the possibilities of Army cargo helicopters shortly after the release of the study report of November 1949. A report of 10 May 1950, prepared by LTC Charles W. Matherly of the Army War Plans Branch of the Plans Division, recommended that the Army organize and equip five transport helicopter companies. The report urged that the project be funded in fiscal year 1952 and suggested that these companies be used for developing doctrine for the employment of cargo helicopters in the Army.

The outbreak of the Korean Conflict caused the plan to be implemented earlier than first recommended. On 9 August 1950, the Department of the Army directed the Army Field Forces to organize and train four helicopter companies equipped with H-19 helicopters. A fifth helicopter transport company, to be equipped with Piasecki H-21 helicopters, was planned for the latter part of FY 1951. Orders for procurement were placed with the Air Force in late August and September 1950, and five additional companies were planned shortly afterwards.

The Sikorsky H-19 Chickasaw became the standard cargo helicopter around which most early Army plans evolved. The 600 horsepower C model H-19 could transport 10 troops and had a gross weight of 7,500 pounds. The 4,795 pound empty weight of the H-19, however, was well above the 4,000 pound maximum permitted to the Army by the JAAF Regulations of 1949. The excess weight, combined with the obvious intention of Army planners to expand the mission of Army aviation, exacerbated the rivalry between the Army and the Air Force.

The Transportation Helicopter Company Table of Organization and Equipment (TO&E) 55-57, completed in October 1950, called for two utility helicopters in addition to the 21 light cargo helicopters. Company personnel were to consist of seven com-





### Sikorsky H-19 Chickasaw

missioned officers and 28 warrant officers, all of whom were to be rated helicopter pilots. There were to be adequate enlisted personnel for organizational maintenance, and mess and administrative services.

The company was to be divided into three platoons, each consisting of one lieutenant and nine warrant officers. Organizational maintenance was to be performed by the company, field maintenance by the Ordnance Corps, and depot maintenance by the Air Force. The TO&E was revised in July 1951 and again in August 1952, when a company maintenance detachment was authorized.

According to the TO&E, the mission of the transportation company was "to provide short-haul air transport to expedite tactical operations and logistical support in the forward areas of the combat zone." It was further stipulated that the mission would be "both logistical and tactical."

Intended missions of Army cargo helicopters included what later came to be called air mobility and air assault, as well as aerial supply. For example, the helicopter units were designed so as to be capable of

performing the specific mission of transporting an infantry rifle company, less vehicles, in one airlift. It was for this purpose that the helicopter company consisted of 21 cargo helicopters.

The 1949 JAAF Adjustment Regulations specifically assigned the aerial supply mission to the Air Force. Although these regulations did not mention the aerial transport of troops into battle, this mission had been assigned to the Air Force by the Key West Agreement. Also, Air Force leaders apparently expected that the weight limitations on Army aircraft, prescribed by the 1949 regulations, would preclude the Army's exercise of this mission.

### Procurement Problems

In memoranda dated 8 September and 20 November 1950, GEN Lawton Collins, the Chief of Staff of the Army, requested that the Air Force concur in the deletion of the weight limitations on Army aircraft. The Chief of Staff of the Air Force, Gen. Hoyt S. Vandenberg, refused to agree to the request.

Gen. Vandenberg proposed instead that the Air Force create helicopter assault

squadrons to transport Army troops into battle. In the meantime, Congress approved funds for the Army to buy H-19 and Piasecki H-21 cargo helicopters. The funds were transferred to the Air Force for procurement, but the Air Force refused to let the contracts for the aircraft. Meanwhile, the Air Force began planning its own assault helicopter squadrons to support the Army.

The Army proceeded with the development of several plans for transportation helicopter fleets of various sizes. One tentative plan was for "a total requirement of 20,000 [helicopters], of which 10,600 were to be financed in 1951 and 1952." The chief of the Transportation Corps proposed that 3,000 cargo helicopters be acquired within three years. According to another plan, one helicopter company would be required for each division and one helicopter battalion for each corps.

In response to Air Force objections to various ambitious Army cargo helicopter plans, the Secretary of the Army ordered the development of a reconsidered Army program. The Materiel Requirements Review Panel consequently developed a procurement program calling for enough helicopters to equip 15 cargo helicopter battalions.

The Army Chief of Staff scaled down the recommendations of the review panel and recommended 12 battalions of 67 helicopters each. Under this plan, which was formally finalized early in 1953, actual procurement was to extend through fiscal year 1959.

In 1951 and early 1952, however, the immediate Army objective relating to cargo helicopters was to acquire enough to equip five or ten companies with 21 aircraft each. As of November 1951, 97 H-19s and 85 H-21s were scheduled for purchase with 1951 and 1952 funds, and 80 H-19s, with 1953 funds. Even this modest requirement proved to be problematic—partly perhaps because of the suspicions fostered by the more ambitious plans being considered, but also because most Air Force leaders were adamantly opposed to any expansion of the Army Aviation mission.

The chiefs of staff and secretaries of the

Army and Air Force met on 18 February 1951 to discuss the Army's helicopter requirements and existing weight limitations. The Air Force expressed alarm about the projected Army helicopter fleet of 20,000 aircraft. Air Force leaders professed to be especially concerned about costs, production capability of the industry, and the Air Force responsibility for providing air cover for so many Army aircraft.

Army leaders professed to have no knowledge of the figures cited by the Air Force but agreed to reconsider the Army's various estimates of its requirements. In return, Air Force leaders agreed to purchase and allocate to the Army, "on an experimental basis," the 72 H-19s and 33 H-21s that the Army had requisitioned.

Army and Air Force leaders agreed that the allocation of 110 cargo helicopters was to be done without changing the weight limitations on Army aircraft. Any modification of those limitations would be determined through further negotiations—to take place after the Army completed experiments with cargo helicopters and decided on the number of helicopters actually required.

In August 1951, however, the Acting Secretary of the Air Force notified the Secretary of the Army that the procurement action had been delayed while the Air Force restudied the entire Army Aviation program in light of its apparent violation of the 'spirit and intent' of the National Security Act of 1947, the Key West Agreement, and the JAAF Adjustment Regulations 5-10-1.

The Air Force spokesman contended that the size and quantities of aircraft requisitioned by the Army could not be justified for the performance of the Army's "emergency" or "limited" responsibilities, but only for those missions for which primary responsibility had been assigned to the Air Force. Both "aero-medical evacuation and cargo supply," he observed, were primarily Air Force functions.

A couple of months later, in the Army-Air Force Memorandum of Understanding (MOU) of 1951, the Air Force agreed to the elimination of weight restrictions on Army



aircraft. According to the MOU, the mission of Army aviation was defined solely by function. The authorized function relative to cargo helicopters was that Army aircraft could transport "supplies, equipment, and small units within the combat zone." The combat zone was defined as normally not exceeding "50 to 75 miles in depth."

The 1951 MOU stipulated that the Air Force was "assigned the primary function of supplying the necessary airlift to the Army." Furthermore, the Army's plan to give the transportation helicopter companies an air assault type mission was apparently squelched by a statement in the MOU that Army aircraft would not duplicate functions of the Air Force in providing the Army with "assault transport and other troop carrier airlift."

Even with the agreement signed, the Army was still unable to obtain any cargo helicopters. Some analysts attribute the problem partially to a lack of total commitment within Army leadership for the expenditures necessary for an expanded helicopter program.

Also, there was undeniably a shortage of cargo helicopters during the Korean Conflict. Prior to the war, research and development had been neglected, and production had languished. After hostilities began, the military services were competing for all the helicopters that industry could produce.

The Marine Corps had developed aerial supply and aerial assault doctrine before the Korean Conflict began, and the Corps obtained new cargo helicopters during the early months of the war. A Marine helicopter transport squadron, HMR-161, arrived in Korea on 2 September 1951 and conducted its first helicopter logistical support mission in combat 11 days later. On 20 September, in Operation SUMMIT, the squadron carried out the first airborne assault by helicopters in the history of warfare.

The Army was at a particular disadvantage in obtaining cargo helicopters because of its dependence on the Air Force for procurement. The Army's problems in obtaining cargo helicopters unquestionably resulted in large measure from its rivalry with the Air Force.

Having become alarmed by the plans within some Army circles to create a large helicopter fleet and to use it for aerial assault and transport purposes, the Air Force was creating its own helicopter assault squadrons so as to obviate any reason for the Army to do so. As helicopters became available, they were purchased by other services or by the Air Force for its own use.

In January 1952, the Vice Chief of Staff of the Army urged the Air Force Chief of Staff to provide sufficient helicopters for the Army's planned transportation companies. He asserted that these companies would not duplicate functions performed by the Air Force, as they would be operating only within the combat zone and performing functions normally performed by Army ambulances and truck companies. He further observed that there was no requirement at that time for Air Force rotary wing support of the Army within the combat zone, so some of the helicopters the Air Force was then acquiring could be turned over to the Army.

The Air Force Vice Chief of Staff responded in February that, according to the 1951 MOU, the Army's use of helicopters was "secondary to the primary Air Force function of supplying the Army with its required airlift." Therefore, the Air Force must prepare itself to provide logistical air support to the Army before allocating "identical critical equipment to the Army for use in performing a limited secondary function." He added that one H-19 had already been provided to the Army and that another would be delivered within a month.

During March 1952, both the Vice Chief of Staff and the Secretary of the Air Force reiterated that the Army's aerial support role was secondary, while that of the Air Force was primary. They also observed that there was a severe shortage of cargo helicopters and that the next six H-19s completed had been earmarked for the Tactical Air Command, which would use them "to organize, train, and partially equip an assault unit." The Air Force, they added, was programming for both fixed and rotary wing assault groups to support the Army in the



combat zone.

Instead of responding to the Air Force Secretary and Vice Chief of Staff, Army Secretary Frank Pace, Jr., called together a high-level group of Army military and civilian personnel on 25 June. They agreed at that meeting (1) to compare the Army helicopter program with that of the Marine Corps and decide whether further expansion of the Army program for fiscal year 1954 was justified; (2) to consider recommending to the Secretary of Defense the creation of a single independent authority to resolve differences among the services involving helicopters; and (3) to analyze the Army procedure for helicopter research and development to determine whether some change, possibly including an agreement with the Navy would be advisable.

It appears that at least some of the decisions made at the June meeting were acted on and that Air Force leaders became informed of them. Also, the Army Chief of Staff introduced the Army helicopter program and the Air Force plans to organize assault squadrons in duplication of the Army units as a subject for consideration at a meeting of the Joint Chiefs of Staff in September 1952.

I suspect that it is not entirely coincidental that the Army received its first allocation of 21 H-19C cargo helicopters during this time period (late summer of 1952). Another 50 H-19s were delivered before the end of the year.

On 3 October 1952, Secretary Pace addressed a long memorandum to the Secretary of Defense outlining the Army's requirements for cargo helicopters to transport supplies and personnel within the combat zone. He made the Army's use of transportation helicopters analogous to the earlier use of mules and trucks.

The Army secretary objected strongly to the Air Force interpretation of the 1951 MOU and to the Air Force's plans to provide air transportation within the combat zone to the Army. The Air Force, he argued, had not provided such services to the Army in the past. The advent of the helicopter had permitted the Army to organize three helicopter companies to partially replace earlier modes of transportation within the

combat zone. Instead of supplying required helicopters to the Army, the Air Force had then proceeded to duplicate the Army's program by creating its own helicopter squadrons.

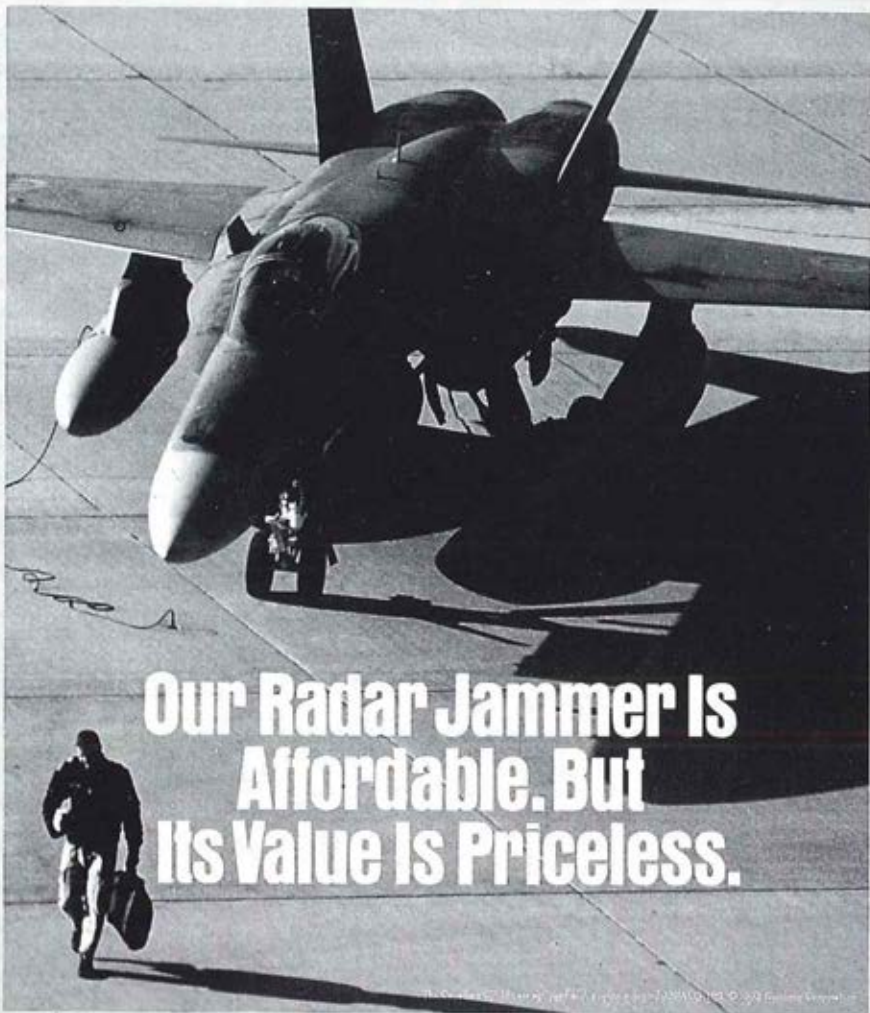
Secretary Pace also made a case for the concept the Army would later refer to as airmobility. "A corollary tactical development," he wrote, "is the increased use of infiltration or vertical envelopment as a supplement to lateral envelopment. To perform or to counteract such operations, Army units must be able to operate independently and must have a mobility which ground transportation cannot provide." Secretary Pace further contended that it was just as essential for the ground commander to have command and control over helicopters used in tactical and logistical operations in forward areas as it was for him to have command and control over ground vehicles used for the same purposes.

In compliance with a directive from the Joint Chiefs of Staff, a new MOU between the Army and the Air Force was negotiated and signed on 4 November 1952. Although the aerial assault mission continued to be withheld, the memorandum was otherwise generally in accordance with the recommendations of Secretary Pace.

As I explained in the third article of this series, the 1952 MOU redefined the combat zone to normally extend from 50 to 100 miles in depth. This MOU also clearly gave the Army authority to conduct aeromedical evacuation—but only to points within the combat zone.

More significantly for our purposes here, the 1952 MOU gave the Army exclusive authority for the "transportation of Army supplies, equipment, personnel, and small units within the combat zone." The Air Force was prohibited from procuring aircraft for purposes that would duplicate combat area functions assigned to the Army.

The Air Force retained responsibility for air transport of troops and supplies in aerial assault and subsequent phases of airborne operations. After the Army was prohibited from providing this service for itself, however, it seems that the Air Force discontinued development of the aerial assault squadrons that had been planned. ■■■



# Our Radar Jammer Is Affordable. But Its Value Is Priceless.

In today's downsized defense environment, a versatile radar jammer can be a very wise investment. Particularly if it's the cost-efficient AN/ALQ-162 from Northrop.

Small and lightweight, the AN/ALQ-162 provides effective radar protection for virtually any platform—both fixed-wing and rotary-wing. It can also

**THE AN/ALQ-162** stand alone as a continuous wave jammer or augment a pulse jammer.

The AN/ALQ-162 is fully software reprogrammable and is self-diagnosing to greatly reduce maintenance time. The highly-reliable, battle-proven

**NORTHROP** AN/ALQ-162. It's one investment that will continue to pay off for years to come.

*We're Setting Our Sights Higher*



MAINTENANCE:

## CCAD'S PROFESSIONAL EDGE

BY COL THOMAS E. JOHNSON &amp; MAJ JANICE MANNING

**CORPUS CHRISTI, TX** — Take away the signs on the buildings, and Corpus Christi Army Depot (CCAD) could easily be mistaken for a commercial manufacturing complex. The 3,600 person work force is primarily civilian. Emphasis is on providing "customers" with good products, and "quality-oriented initiatives" have been established in many shops to ensure top-notch results. From the sights, sounds, and smells, from the hangars and machine shops, to the prominently displayed signs proclaiming the depot's motto ("Our Products Reflect Our Pride"), CCAD closely resembles modern private industry.

It seems natural that CCAD, an Army depot with a Department of Defense mission to overhaul and repair helicopters, now finds itself competing for work against commercial enterprise, as well as other DoD depots. We are working harder than ever to maintain our excellent reputation, let alone our very existence.

The big change in the way depots do business began in 1988

when a defense appropriations act cleared the way for competition between public and private industry. In the past, our business had come directly from ATCOM in St. Louis, MO. We are beginning to solicit an increasing amount of our own work load through a detailed bidding process that awards the job to the depot or contractor offering the lowest cost or best value.

This new way of business has impacted CCAD more than any other event in our 31-year history. With an annual operating budget of \$362 million, the pressure is on us to be competitive. We are now bidding and receiving contracts for a wide range of aircraft maintenance work from the USAF and Navy, as well as the Army.

Competition is good and forces us to take a close look at ourselves—how we're operating, and what our costs are. If we don't use a sharp pencil, our business could gravitate to other services or contractors. The competitive process begins at DoD level where depots and contractors are eligible upon request to bid on specific projects. Solicitations describing the product needed are then sent to our depot competition office where the staff analyzes the solicitation, determines the man hours and materials required, and then develops and submits a bid. The Army Audit Agency (AAA) or a similar

organization conducts an audit of the bid. The prospective "customer" then establishes an evaluation board to determine the winner.

It's a detailed process requiring a highly concentrated effort, attention to detail, and plenty of "stub-by pencil" work. The contract for overhaul of the OH-58's T63 engine is an example of how rapidly the competitive bidding process flows. The solicitation was released on 1 July 1991, bids were in by 9 August, and the winner was announced 27 September. Our bid was a three-inch-thick bound volume covering everything from CCAD's history, facilities, work philosophy, and experience to the detailed costs of each item involved in the project.

What's harder to quantify on paper are our less tangible selling points. We enjoy a near-zero turnover in employment. A spirit of pride is inherent in our work force, which is comprised largely of native South Texans who still believe in the American work ethic. These factors have helped us establish a reputation as a leader in the military's rotary-wing repair business.

The aviators in the field see our name on the components we've repaired or rebuilt; they also see our faces, because we send field service representatives all over the world.

The world has changed dramatically in the past several years. As the DoD budget gets smaller, we will have to find more efficient ways to operate. We at CCAD are doing everything possible to streamline our operation, cut waste, and compete with all comers for tomorrow's work load. It is our future. ■■■■

**MAJ Manning is the Public Affairs Officer, CCAD, Corpus Christi, TX.**



**COL Johnson** is Commander, Corpus Christi Army Depot, (CCAD), Corpus Christi, TX.



LOGISTICS AND MAINTENANCE:

# AVIATION LOGISTICS AND MAINTENANCE COMMANDERS CONFERENCE

BY MAJOR BUDDY ORR AND CW4 GEORGE HRICHAK

**FORT EUSTIS, VA** — It's time to start preparing for the Aviation Logistics and Maintenance Commanders' Conference (ALMCC) and the Fifth Annual Worldwide Maintenance Test Pilot (MP) Standardization and Training Update. Both conferences will be hosted by the U.S. Army Aviation Logistics School (USAALS), Ft. Eustis, VA. COL William Blair, the Assistant Commandant, warmly invites all Aviation Commanders, maintenance officers, and test pilots to attend the conferences which will be held the week of 24-29 January 1993.

The objective of this year's ALMCC is to look at the issues that affect the operational commander's mission accomplishment with respect to maintenance, as well as other issues that affect maintenance and logistics in general, for both the active and reserve components.

We are expecting 150 officers from commands throughout the Army to attend. We strongly encourage attendance because this forum will give commands the opportunity to voice problems that could be of potential interest to all aviation units worldwide.

**MAJ Orr is the International Logistics Officer, U.S. Army Aviation Logistics School, Ft. Eustis, VA**

Sending an MP or Maintenance Test Flight Evaluator (ME) to the MP Training Update is a wise investment for any aviation commander, especially in light of the rightsizing of the Post Cold War Army and the declining budget dollars.

The Update provides the only opportunity for members of the Total Army maintenance community to get together and learn more about their aircraft and its systems, and discuss those systems with representatives from the aviation industry. Other topics to be discussed during the week are the maintenance standardization and aircrew training programs, and evaluation principles. Additionally, aircraft-specific workshops will be held at the conference site and at Felker Army Airfield where preflight, troubleshooting, and systems analysis training will take place. We are also planning to have representatives on hand to discuss use of the Aircraft Vibration Analysis (AVA) equipment.

A panel of experienced MEs from the field, Directorate of Evaluation and Standardization (DOES) designees, and DOES personnel will be formed to discuss maintenance-related issues and problems that affect

the MP/ME community and propose solutions to the Army command structure. Issues are encouraged to be submitted and may be given to the registration personnel at the numbers listed below.

The conference will be held in Williamsburg, VA, at the Williamsburg Hospitality House. The Hotel is located in the middle of town near the historic area of Williamsburg. Spouses attending will be afforded the opportunity to visit some of the historical sites located in the Williamsburg area. Tours will include not only historic Williamsburg but also the shopping areas in the surrounding community.

To pre-register, write or call CW4 George Hrichak or Sue Alvord, USAALS, ATSQ-LES, Fort Eustis, VA 23604-5429, DSN 927-6166, Commercial (804) 878-6166. Datafax extension is 6966 for either prefix. If you write, please indicate which conference you will be attending, include your unit and home address and phone numbers, the type of aircraft you presently fly (if applicable), and whether you're a member of the National Guard, Army Reserve, or active Army. **||||**

**CW4 Hrichak is the Conference Coordinator, U.S. Army Aviation Logistics School, Ft. Eustis, VA.**

# RESERVE COMPONENTS

## ROSTER CODE

\* Indicates USAR  
 Last Name, First Name, MI (Rank)  
 (First Year AAAA Membership)  
 (Nickname)  
 Address  
 Duty Phone Number  
 Residence Phone Number  
 Name of Spouse  
 AA - Army Aviator  
 SAA - Senior Army Aviator  
 MAA - Master Army Aviator

IFE - Instrument Flt Examiner  
 IP - Test Pilot  
 TP - Test Pilot  
**PROFESSIONAL DATA:**  
 Primary Assignment - Location  
 Rating  
 Maintenance Courses  
 Qualification  
 Flight Time  
 DFCs/Air Medals  
 AAAA Honors and Offices

### 1992 ARNG/USAR "High Timers"

CW4 Robert H. Rowe.....	30,000	LTC Kenneth E. Shuman.....	10,000	CW4 Lenny Van Dorp.....	8,000
COL Robert L. Mason, Sr.....	25,000	CW4 Casto L. Brower.....	9,800	BG Robert J. Brant.....	7,900
CW4 David W. Sullivan.....	18,200	CW4 Coy D. Campbell.....	9,700	COL Bruce R. Bodin.....	7,800
CW4 George L. Senne.....	17,148	CW4 Angelo Spellos.....	9,700	LTC Stephen R. Jackson.....	7,600
COL George W. Condon, Jr.....	16,000	CW2 Donn R. Proven.....	9,286	CW4 Glenn N. Wallace.....	7,600
CW4 Richard E. Loynachan.....	15,000	MAJ Robert A. Bean, Jr.....	9,200	CW4 Edward C. Rountree, Jr.....	7,509
CW4 John V. Fowler.....	13,752	CW4 Felix Olmos.....	9,150	LTC Matthew C. Brockway.....	7,500
CW4 Jerry L. Brantley.....	13,500	CW4(P) William S. Turkowski.....	9,000	CW3 Frederick E. Ferguson.....	7,300
CW3 Harold A. Coghlan.....	12,256	LTC Stephen A. Foster.....	8,800	COL Andrew A. Alston.....	7,005
CW3 John B. Ives.....	12,000	LTC Herman J. Kuhn, Jr.....	8,500	LTC Gregory N. Beaman.....	7,000
CW4 David H. Lee.....	12,000	CW4 Lawrence R. Burbank.....	8,500	CW4 Anthony J. Cesarone.....	7,000
MAJ Ray R. Norris.....	12,000	LTC Gary E. Dekay.....	8,500	COL George F. Francioni.....	7,000
CW4 John F. Ryan.....	12,000	COL Kerry G. Denson.....	8,500	COL James D. Holden.....	7,000
CW3 James A. McLaughlin.....	11,950	MAJ Phillip E. Ide.....	8,500	CW3 Thomas Kanas.....	7,000
CW4 Clarence R. Clarkon, Jr.....	11,600	LTC Ray L. Thompson.....	8,500	CW4 Charles A. Spillner.....	7,000
CW4 Mark S. Hansen.....	11,500	CW4 John M. Travers.....	8,500	CW4 James R. Waschl.....	7,000
COL Terry L. Schultz.....	11,400	LTC James Martin Sikes.....	8,400	CW4 John M. Harris.....	6,900
LTC Ivan T. Beach.....	11,000	MAJ John C. Holland.....	8,300	CW4 Bernard E. Reith, III.....	6,800
CW4 Frank R. Blakowski.....	11,000	CW3 Peter G. Hull.....	8,280	CW4 Joe Beaver, Jr.....	6,700
COL Charles S. Finch, Jr.....	11,000	COL Robert D. Mabey.....	8,200	CW4 James L. McKinley.....	6,600
COL James B. Looney.....	11,000	CW3 Charles J. O'Connor.....	8,200	MAJ Bruce N. Eckerson.....	6,500
COL Leroy A. Wall.....	11,000	COL Robert Poland.....	8,122	MAJ Robert W. Harrison.....	6,500
CW4 Corey J. Ferguson.....	10,200	MAJ Timothy C. Kelly.....	8,100	CW3 Jack K. Hyde.....	6,500
CW4 Jeffrey P. Borges.....	10,000	CW2 Robert E. Dumas.....	8,000	LTC Vern Watts.....	6,500
COL Jose F. Campos.....	10,000	CW3 James M. Flucas.....	8,000	CPT Eddie D. Mayenschein.....	6,400
CW4 Thomas M. Johnson.....	10,000	COL Joseph G. Labrie.....	8,000	CW4 Peter R. Kalogris.....	6,200
LTC Dennis J. Lord.....	10,000	COL Michael P. O'Connor.....	8,000	COL Ronald B. Stewart.....	6,200
CW4 Steven P. Rihule.....	10,000	COL David P. Rataczak.....	8,000	LTC Cecil B. Hengeveld.....	6,176
CW3 P. A. Schineller.....	10,000	LTC William H. Smith.....	8,000	LTC Thomas E. Lesser.....	6,060



**Abel, Samuel A.**, (WOC) (M82) CMR 2, Box B-12693, Fort Rucker, AL 36362. Dy: (205) 255-4171.

**\*Abram, Kai**, (SGT) (M88) 1141 Tampico Drive, Edwardsville, IL 62025. Dy: (314) 275-6666. Res: (618) 692-6436. Dy: C Co, 159th Avn Maint, Scott ABF.

**\*Abrantes, George F.**, (CPT) (M87) 3115 Albemarle Road, Wilmington, DE 19808-2701. Dy: (302) 428-7637. Res: (302) 292-8944. S: Linda. Dy: IMA. Rtg: AA. Time: 650 Hrs.

**Acres, Randall D.**, (CW3) (M87) (Randy) 11484 North Eagle Peak Dr, Tucson, AZ 85737-9255. Dy: (602) 682-3801. Res: (602) 297-3535. S: Elizabeth. Dy: WAATS, Marana, AZ. Rtg: SAA IP IFE. RW Qual. Time: 2,600 Hrs.

**Adams, Barry P.**, (1LT) (M89) (Sausage) 1320 57th Place, Des Moines, IA 50311-2014. Dy: (515) 255-3264. Dy: Pharmaceutical Sales Rep, The Ujiphoon Co. Rtg: AA. RW Qual. Time: 550.

**Adams, Caroline F.**, (MAJ) (M91) P.O. Box 826, F'sted, St. Croix, U.S. Virgin Islands 00841-0826. Dy: (809) 778-2165. Res: (809) 772-4244. Dy: State Avn Off, VARRNG. RW Qual. Time: 1,420 Hrs.

**\*Adeo, Steven L.**, (CW4) (M84) P.O. Box 430, Fayetteville, AR 72702-0430. Dy: (501) 443-7877. Res: (501) 442-0981. S: Prilla. Dy: Indy Ready Reserve (IRR). Rtg: AA. RW Qual. Time: 2,830 Hrs./Cdt 1,728 AM/49.

**\*Ager, Christopher**, (CPT) (M92) (Chris) Raytheon Company (52FH17), 180 Hartwell Road, Bedford, MA 01730. Dy: (617) 274-2460. Res: (603) 429-1321. S: Diana. RW Qual. FW Qual. Time: 2,000 Hrs.

**Akers, James E.**, (LTC) (M90) (Jim) 6795 Coke Lake Drive, Jacksonville, FL 32256. Dy: (904) 549-3567. Res: (904) 642-9315. S: Marie. Dy: VP Marketing and Development, Jax Faculty Practice Assoc. Rtg: AA TP. RW Qual. Time: 2,900 Hrs.

**Albanese, Vincent J.**, (LTC) (M91) (Vinnie) 70 East Park Drive, Huntington Station, NY 11746. Dy: (516) 447-5921. Res: (516) 427-2418. S: Christine. Dy: NYCD Freight, Avn Bde. 42d, NYARNG. RW Qual. Time: 3,000 Hrs. Pres, MacArthur Chapter.

**Alford, George H. Jr.**, (CSM) (M92) (Chip) 11909 AVCRAD, CTARNG, 139 Tower Avenue, Groton, CT 06340-5300. Dy: (203) 441-2945. Res: (203) 442-4266. S: Lynda. Dy: AVCRAD.

**Allen, William C.**, (MAJ) (M86) (Charlie) 8314 Cahill Drive, Austin, TX 78729-7227. Dy: (512) 465-5015. Res: (512) 335-8307. Dy: Trp Cmd Avn Off, AGR TXARNG, Austin, TX. Rtg: AA. RW Qual. FW Qual. Time: 1,500 Hrs.

**\*Alston, Andrew A.**, (COL) (M82) (Andy) 8744 SW 51st Street, Cooper City, FL 33328. Dy: (305) 597-4610. S: Ann. Dy: IMA, US Army Safety Center. Rtg: MAA IFE SIP. RW Qual. FW Qual. Time: 7,005 Hrs./Cdt 925 DFC1, AM/21.

**Alston, Jeffrey L.**, (WOC) (M92) 83 Dunn Drive, Fort Rucker, AL 36362-2126. Dy: (205) 255-4006. S: Marilyn.

**\*Amiano, Timothy A.**, (1LT) (M87) (Arrow) 3720 SE 15th Place, Cape Coral, FL 33904-7129. Res: (813) 542-5214. Rtg: AA. RW Qual. Time: 1,430 Hrs.

**Anderson, Bruce W.**, (CW4) (M88) (Andy) 654 Woodchuck Lane, Lake Sales, MO 63367. Dy: (314) 538-2640. Res: (314) 625-4489. S: Jane. Dy: Avn Personnel Mgmt Office, ARPERCEN, St. Louis. Rtg: MAA IP MTP. RW

## Aviation Reserve Components

Qual. Time: 3,600 Hrs./Cdt 1,140 AM/34.

**Anderson, Jeffery S.**, (MAJ) (M91) (Jeff) 125 Hunters Trail West, Elizabeth City, NC 27809-3266. Dy: (919) 331-4610. Res: (919) 331-2668. S: Loretta. Dy: Brigade Surgeon, 29th Avn. Bde., MDARNG.

**\*Anderson, Kenneth A.**, (MAJ) (M80) (Ken) 3507 Thornbury Place, Fort Wayne, IN 46804. S: Violet E. Rtg: AA. RW Qual. Time: 1,000 Hrs.

**Andrew, William J.**, (CW4) (M69) 40330 Spitz Drive, Sterling Hts, MI 48313. Dy: (517) 627-6680. S: Maria. Dy: A Co, 2/238th Avn. Regt., M1RANG, Grand Lodge, MI. Rtg: AA. RW Qual. Time: 2,000 Hrs./Cdt 300 Life Member.

**\*Archer, Harry R.**, (MAJ) (M79) 648 Cottontail Run, Cottonwood, AZ 86326-5006. Rtg: SAA IP. RW Qual. Time: 1,700 Hrs.

**\*Arnold, Kerry K.**, (CW2) (M90) (Doc) 300 Oxford, Conroe, TX 77303. Dy: (409) 539-4311. Dy: Maint. Test Pilot. Rtg: AA TP. RW Qual. FW Qual. Time: 2,200 Hrs. Vp, Armadillo Chapter.

**Atchison, Charles W.**, (WO1) (M92) (Chuck) 15 New Haven Street, West Roxbury, MA 02132-5111. Dy: (508) 820-2250. Res: (617) 323-2852. Dy: Trooper, MA State Police. Rtg: IP. RW Qual. Time: 1,500 Hrs.

**Atkins, Robert J.**, (SSG) (M92) (B.J.) 150 South Roscoe Blvd., Palm Valley, FL 32082. Dy: (904) 641-8144. Res: (904) 285-1157. S: Charlene. Dy: Crew Chief, 199th Med Co (AS), FLARNG.

**Austin, Daniel J.**, (1LT) (M91) (Danbo) 74 Phila Street, Saratoga Springs, NY 12866. Res: (518) 583-1806. Dy: 1-142 Avn. Bn., Company Commander. RW Qual. FW Qual. Time: 550 Hrs.

**\*Aulther, Rick J.**, (CW2) (M85) 11304 110th Avenue East, Puyallup, WA 98374. Dy: (206) 845-8606. S: Roberta. Dy: Pres, Rotech Inc. Time: 1,135 Hrs.

## BBBBBBBBBB

**\*Baker, Anthony A.**, (CPT) (M89) 2000 Kenyon Street, Killeen, TX 76543. Dy: (817) 699-8187. Res: (817) 699-8187. S: Christine. Dy: Ops Off, Avn Exercise Group, 75th USA Maneuver Area Cmd. Rtg: AA. RW Qual. Time: 700 Hrs. Trea, Armadillo Chapter.

**Ballard, Glen L.**, (LTC) (M78) (AASF #1) 5636 East McDowell Road, Phoenix, AZ 85008. Dy: (602) 267-2794. Res: (602) 569-9712. S: Melody. Dy: Facility Cdr, AZARNG. Rtg: IFE IP. RW Qual. FW Qual. Time: 4,500 Hrs.

**Balogh, Thomas P.**, (SGT) (M92) 10 Short Street, Castleton, NY 12033. Dy: (518) 395-5400. Res: (518) 732-4053. S: Laura. Dy: Mailhandler, US Postal Service, 1-142nd Avn Bn, Latham, NY.

**Barfield, Walter F.**, (MSG) (M89) (Walt) 3355 Claire Lane, Apt. 313, Jacksonville, FL 32223-6657. Dy: (904) 791-1960. S: Joann. Dy: Federal Avn. Admin. Security 419th Avn. Gp. (ATK). Past Vp, America's First Coast Chap.

**Barzkdale, Stephen W.**, (CPT) (M82) (Steve) 1208 Dartmouth Drive, Clinton, MS 39096-3408. Dy: (601) 354-7542. Res: (601) 924-9467. S: Jackie. Dy: Trng Off/185th Avn Gp, Jackson,

MS. RW Qual. Time: 750 Hrs.

**Bartlett, James P.**, (CW4) (M82) (Jim) 1250 W. Lodestone Place, Tucson, AZ 85737. Dy: (602) 267-2700. Res: (602) 742-0209. S: Linda. Dy: Ft Weapons Simulator SIP, QA, WAATS, Marana, AZ. Rtg: SAA IP MTP. RW Qual. Time: 3,000 Hrs.

**Barton, Scottie D.**, (WO1) (M91) Route 4, Box 4160, Morrison, TN 37357. Dy: (615) 355-3698. Res: (615) 728-0204. Dy: 4/278th ACR, Smyrna, TN. RW Qual. Time: 210 Hrs.

**Bartos, Alan J.**, (CPT) (M79) 14510 Circlewood Way, Houston, TX 77062. Dy: (713) 483-4424. Res: (713) 480-6221. S: Marianne. Dy: Engr, Rockwell Space Opns Co, Houston, TX. Rtg: Avn Acting Pres, San Jacinto Chapter, Past Srtp, San Jacinto Chapter.

**\*Bass, Larry E.**, (2LT) (M91) (Larry) 5560 Remington Point Dr., Walker, MO 27051. Dy: (205) 255-3311. Res: (919) 767-9122. S: Robin. Dy: D Co, 1/145th Avn., Flight School, Fort Rucker, AL. Rtg: AA. RW Qual. Time: 200 Hrs.

**\*Battaglia, Vince V.**, (SGT) (M92) (Batman) 3280 Turner Hill Road, Lithonia, GA 30038. Res: (404) 482-2603. Dy: 145th Medical Company, Dobbins AFB, GA.

**Beach, Ivan T.**, (LTC) (M89) RR 4, Box 277-D, Denver, CO 82037-9029. Dy: (919) 523-5211. Res: (704) 483-4535. Dy: XO, 449th Avn Gp(ATK), NVAHNG. Rtg: MAA. RW Qual. Time: 11,000 Hrs.

**\*Beaman, Gregory N.**, (LTC) (M87) (Greg) 402 Navaho Street, Enterprise, AL 36330-2122. Dy: (205) 255-2331. Res: (205) 347-5896. S: Lor. Rtg: S-3, 33rd Avn Gp, Fort Rucker, AL. Rtg: MAA IP. RW Qual. Time: 7,000 Hrs./Cdt 840 AM/30.

**\*Bean, Robt. A. Jr.**, (MAJ) (M70) (Bob) 26026 Tierra Drive, Valencia, CA 91355. Dy: (800) 255-8038. Res: (805) 254-6706. S: Jennifer. Dy: S-4, 168th Avn Gp, Garden Grove, CA. Rtg: MAA IP IFE SIP. RW Qual. FW Qual. Time: 9,200 Hrs.

**Beatty, Donald E.**, (CW4) (M83) (Duck) 61 Crestview Drive, Lebanon, PA 17042. Dy: (717) 865-8688. Res: (717) 272-2451. S: Margaret. Dy: IP, Eastern AA Trng Site, Ft. Indiantown Gap. Rtg: MAA IP. RW Qual. Time: 4,300 Hrs./Cdt 904 AM/24. Past Pres, Indiantown Gap Chapter.

**\*Beauchaine, Stephen D.**, (WOC) (M83) (Beauch) CMR 2, Box C-12499, Fort Rucker, AL 36362. Dy: (205) 255-4006. Dy: B/1-145, RW Qual. Time: 140 Hrs.

**Beaver, Joe, Jr.**, (CW4) (M87) P.O. Box 2003, NAS Glenview, IL 60026. Dy: (708) 657-2113. Res: (708) 432-2139. S: Mary Jane. Dy: B Co, 2nd Bn, 228th Avn. Regt., Rtg: SAA IP. RW Qual. FW Qual. Time: 6,700 Hrs. AM/13. Life Member, Past Vp, Armadillo Chapter.

**Beck, Thomas P.**, (CPT) (M85) 355 South Candler Avenue, Orlando, FL 32835. Dy: (407) 660-6533. Res: (407) 294-0361. Dy: Cdr, C Co, 1-132 Cmd Avn Regt, Lakeland, FL. RW Qual. Time: 1,000 Hrs.

**Becker, Lawrence M.**, (WOC) (M91) (Budrock) 1106 W. Franklin Street, No. 308, Richmond, VA 23220. Dy: (804) 236-7305. Res: (804) 358-6493. Dy: B Co, 2/224th Avn, Sandston, VA. Rtg: IP. RW Qual. Time: 250 Hrs.

**Becker, Philip M.**, (BG) (M82) (Phil) 65 Apple Drive, Mattou, IL 61938. Dy: (217) 785-3570. Res: (217) 234-9610. S: Jean Ann. Dy: Deputy



Cdr. STARC, IL, ARNG, Springfield, IL. Rtg: MAJ. RW Qual. FW Qual. Time: 5,500 Hrs.

**Bedard, Richard A., (CPT) (M91) (Rick)** 499 Willow Run Drive, Pickerington, OH 43147. Dy: (614) 492-3668. Res: (614) 633-1087. S: Mary. Dy: 4/107th ACR, Flockenbacker ANGB, Col. OH. Rtg: AA IFE SIP. RW Qual. Time: 2,000 Hrs. Sec. Wright Brothers Chapter.

**Benda, Raymond L., (CW3) (M84) (Ray-Jay)** 406 Tee Court, Arnold, MD 21012. Dy: (410) 963-8639. Res: (410) 974-1591. S: Phyllis. Dy: 224th AHS, MDARNG, APG. Rtg: SAA. Time: 2,800 Hrs.

**Benson, Terry W., (LTC) (M91) Tashael** Chapter VP Prog. 4301 Amberwood Road, Haver River, NC 27858. Dy: (919) 840-3460. Res: (919) 376-8140. S: Toni H. Dy: Bn Cdr, H/130th Avn Bn NCARNG, Monroeville. Rtg: SAA. RW Qual. Time: 1,700 Hrs.

**Bergman, Mark E., (MAJ) (M89) 11323 Oak Landings Drive, Jacksonville, FL 32225. Dy: (904) 641-8875. Res: (904) 645-9142. S: Cheryl. Dy: S-3, 1st Bn, 11th Avn., FLARNG. RW Qual. Time: 1,500 Hrs.**

**Berkebile, Dan A., (MAJ) (M92) 139 Deerfield Road, Washington, PA 15301. Dy: (412) 223-4581. S: Sharon. Dy: Ft Facility Cdr, PAARNG. Rtg: MAJ SIP. RW Qual. FW Qual. Time: 4,000 Hrs.**

**Bernhard, William N., (COL) (M80) (Bill)** 228 East Churchill Street, Baltimore, MD 21230. Dy: (301) 233-2628. Res: (301) 727-3592. S: Betty. Dy: STARC. Time: 600 Hrs.

**Berry, Gene D., (CW2) (M88) 48 West Luzon Drive, Fort Bragg, NC 28307. Dy: (919) 396-2609. Res: (919) 436-5272. S: Lori Ann. Dy: C Twp, 1/17 Cav. Rtg: AA. RW Qual. Time: 630 Hrs.**

**Bertram, William K., (CW2) (M85) P.O. Box 80042, Raleigh, NC 27623-0042. Dy: (919) 664-7558. Res: (919) 489-3663. S: Cynthia M. Dy: Flight Instructor, Army Aviation Support Facility. Rtg: SAA SIP. RW Qual. Time: 2,500 Hrs. Life Member.**

**Bethune, Danny H., (SFC) (M83) 1182 Murray Drive, Jacksonville, FL 32205. Dy: (904) 642-3790. Res: (904) 389-7050. S: Gladys. Dy: NBC NCO, 419th Avn Gp (ATK).**

**Bezons, Jean M., (SGT) (M90) (Jeanie)** 55 Beaver Run Drive, Savannah, GA 31419. Dy: (912) 352-5333. Res: (912) 920-1704. Dy: Flight Operation NCOIC, G244th, GAARNG.

**Blackwell, Frank R., (CW4) (M92) (B-Ed)** 16 Union Street, Batavia, NY 14020. Dy: (716) 343-8200. S: Madeline. Dy: Pres, Great Lakes Avn, Inc. Rtg: MAJ. RW Qual. Time: 11,000 Hrs.

**Blackingham, Thomas J., (SPC) (M90) 3451 North Oxander Ave., Chicago, IL 60634-3245. Dy: (708) 657-2369. Res: (312) 837-3727. Dy: C O, 2503rd Avn, Glenview, NAS, IL.**

**Birkhimer, Karl M., (MAJ) (M82) (Karl)** 10919 Houndwyl Way, Jacksonville, FL 32225. Dy: (904) 642-3790. Res: (904) 645-3250. S: Susan. Dy: Aest S-3, 419th Avn Gp (ATK), FLARNG, Jacksonville, FL. Rtg: AA. RW Qual. Time: 850 Hrs.

**Bitner, James R., (LTJ) (M91) (Jim)** 114 State Street, Apt. 2, Hamburg, PA 15828. Dy: (717) 865-8283. Res: (717) 862-5280. S: Diane. Dy: HQ, 2-104 Avn, Fort Indiantown Gap, PA. RW Qual. Time: 200 Hrs.

**Blachon, Michael J., (CPT) (M87) 4777 Grouse Run Drive, Apt. 146, Stockton, CA 95207-5377. Dy: (209) 982-4821. Res: (209) 473-3605. Dy: Hqs 1-140 Avn Regt, Stockton, CA. Rtg: AA. RW Qual. Time: 1,000 Hrs. Life Member.**

**Black, James C. Jr., (COL) (M89) (Jim)** 14703 W

## B Aviation Reserve Components

**Admiral, San Antonio, TX 78248. Dy: (512) 422-5041. Res: (512) 492-0027. S: Sue. Dy: Group Cdr, 28th Avn Group, Arlington, TX. Rtg: SAA. RW Qual. FW Qual. Time: 1,800 Hrs.**

**Blevins, Wesley F., (MAJ) (M83) (Wes)** 9430 Mackenzie Road, St. Louis, MO 63123. Dy: (314) 263-1214. Res: (314) 638-0122. S: Diane. Dy: Program Analyst, ATCOM.

**Biles, R. Matthew, (1LT) (M88) (Matt)** 1214 State Road, Apt. 3, New Albany, IN 47150. Dy: (502) 624-4141. Res: (812) 949-9208. Dy: Aik Hozlr Pit Ldr (Tmg Off), 8229th Avn Regt, Ft Knox, KY. RW Qual. Time: 500 Hrs.

**Blouch, Franklin H., (MAJ) (M83) (Frank)** 2306 Marion View Drive, Lingestown, PA 17112-9101. Dy: (717) 665-8251. Res: (717) 652-6189. S: Barbara. Dy: S1, Avn Bde, 28th, PAARNG. Rtg: SAA SIP. RW Qual. Time: 1,000 Hrs. Life Member.

**Blunk, James B., (MAJ) (M87) (Jim)** 8877 Teal Lane, Jonesboro, GA 30238. Dy: (404) 752-3926. S: Lannis. Dy: Standardization & Tmp Br, Avn Div, USA Reserve Cnd. Rtg: SAA. RW Qual. Time: 1,200 Hrs.

**Bodin, Bruce R., (COL) (M86) 11626 N. 110th Place, Scottsdale, AZ 85259. Dy: (602) 267-2864. Res: (602) 860-0856. S: Gail. Dy: State Avn Off, Phoenix, AZARNG. Rtg: MAJ IFE SIP. RW Qual. FW Qual. Time: 7,800 Hrs./Oct 90 DFO1, AM28.**

**Bogis, Stephen E., (CPT) (M85) 8375 NW 26th St., Ankeny, IA 50021. Dy: (515) 432-1921. Res: (515) 964-3547. S: Denise. S: Dy: S-1, HHD, 1-108th Avn Bn, IAARNG. Rtg: AA. Time: 900 Hrs.**

**Boldock, Bob, (CPT) (M92) 105 Burt Leaf Way, Clinton, MS 39066. Res: (601) 924-2594. S: Mary. Dy: MSARNG, 1/188th Avn Bn. RW Qual. Time: 900 Hrs.**

**Bonowitz, George E., (CW3) (M89) 99 Thelkesson Drive, Hummelstown, PA 17036-9612. Dy: (717) 865-8922. Res: (717) 566-8431. S: Kim. Dy: Maint Test Pilot, PAARNG. RW Qual. Time: 2,500 Hrs.**

**Bond, Craig A., (MAJ) (M84) (Craig)** Chesapeake Bay VP Prog, 111 Plumb Point Loop, Aberdeen Proving Gtd., MD 21005. Dy: (410) 671-1658. Res: (410) 273-0479. S: Pat. Dy: Aviation Safety Officer, NGB-AVNS. Rtg: MAJ. RW Qual. Time: 4,200 Hrs./Oct 60 AM18.

**Bora, Rodney H., (LTC) (M85) (Rod)** Eastern ARNG Avn Tmg St., Dept. Mil. Affairs, Anville, PA 17003. Dy: (717) 865-8929. Res: (717) 865-8929. S: Linda. Dy: Plans & Training Division, Chief Eastern AATS, Anville, PA. Rtg: AA. RW Qual. Time: 1,955 Hrs. Past Tna, Chesapeake Bay Chapter.

**Bording, Kenneth, (M84) (Ken)** America's 1st Coast Secy, 4338 Springwood Drive E, Jacksonville, FL 32225. Dy: (904) 641-8377. Res: (904) 642-2195. S: Colleen. Dy: HSC, 1 Bn, 111 Avn, FLARNG. Rtg: MAJ IFE SIP. RW Qual. Time: 6,000 Hrs./Oct 2,121 AM32.

**Bortner, Thomas N., (LTC) (M87) (Brink)** Groton New London Airport, 139 Tower Avenue, Groton, CT 06340-5300. Dy: (203) 441-2900. Res: (203) 464-9965. S: June. Dy: Supervisor, CTAVCRAD. Rtg: AA TP. RW Qual. FW Qual. Time: 3,500 Hrs./Oct 1,008 AM16.

**Borges, Jeffrey P., (CW4) (M91) 22 Teakwood Drive, Clifton Park, NY 12056. Dy: (518) 786-4396.**

**Res: (518) 363-0488. Dy: Flight Instructor, NYARNG. Rtg: MAJ SIP. RW Qual. FW Qual. Time: 10,000 Hrs./Oct 1,061 DFC2, AM1 w360LC.**

**\*Bosco, Thomas L., (CPT) (M87) (Tom)** 56 Spring Street, Apt. 2, Staten Island, NY 10304. Dy: (212) 435-3694. Res: (718) 961-8121. Dy: S Airport Eng, The Port Authority of NY/NJ. Rtg: AA. RW Qual. Time: 1,600 Hrs./Oct 80 AM1.

**\*Bowens, Frame J., (LTC) (M89) (John)** 106 Reikstone Drive, Terrace Park, OH 45765. Dy: (513) 552-2722. Res: (513) 831-8652. S: Judy. Dy: Manager, CRM56 Navy Prog, GE-AGE, Cincinnati. Rtg: SAA. RW Qual. Time: 1,540 Hrs./Oct 670 AM23.

**\*Bowman, J. Russell, (Dr.) (M91) (Russ)** 3457 Bluesoluhur Gardens, One, WV 25545. Dy: (304) 464-4383. Res: (304) 733-0086. S: Karen. Dy: Flight Surgeon, AAFS, WV. Time: 150 Hrs.

**\*Boys, Guy S., (WOC) (M83) 607 Hingham Lane, Schaumburg, IL 60193-2629. Dy: (708) 228-2100. Res: (708) 850-9019. Dy: Controller/Observer, 88th Id, 4th FEB, Avn Team, Ft. Sheridan, IL. Time: 67/14 Hrs.**

**Bradley, Gregory D., (CW3) (M70) 1518 Maple Kool Court, Naperville, IL 60563-1318. Dy: (708) 355-6650. S: Peggy. Dy: B Co, 1/106th Avn Regt. Rtg: MAJ. RW Qual. Time: 4,750 Hrs./Oct 829.**

**\*Bradley, Michael P., (SSG) (M86) 2117 Wyckwood Drive, Austin, TX 78748. Res: (512) 327-0152. S: Mary. Dy: IRR.**

**Bradsher, Larry F., (CW3) (M81) Route 3, Box 39, Rougemont, NC 27572-9406. Dy: (919) 449-2541. Res: (919) 477-2746. S: Betty. Dy: E Co, 130th Avn, Salisbury. Rtg: AA MTP. RW Qual. Time: 1,030 Hrs. AM3.**

**Brandt, Robert J., (BG) (M72) (Bob)** 113 Rebecca Way, Folsom, CA 95630. Dy: (916) 854-3014. Res: (916) 985-7045. S: Dorothy. Dy: CAARNG, Deputy Cdr-Support 40th Infantry Div (Mech). Rtg: MAJ SIP. RW Qual. FW Qual. Time: 7,900 Hrs./Oct 212 AM14. Past Vp, Southern California Chapter.

**Brantley, Jerry L., (CW4) (M67) 3005 Sandy Lane, Rocky Mount, NC 27803. Dy: (919) 864-7567. Res: (919) 448-2761. S: Margie. Dy: NCARNG, C12 PIC25 P. Raleigh. Rtg: MAJ IFE SIP TP. RW Qual. FW Qual. Time: 13,500 Hrs./Oct 2,037 AM74.**

**Breithaupt, Michael P., (LTC) (M74) (Mike)** 14630 Estate Drive, Woodbridge, VA 22193-3224. Dy: (703) 860-7000. Res: (703) 670-3319. S: Theresa. Dy: Bn Cdr, 1st Bn, 132nd Avn, Dawson AAF, Ft. Belvoir, DCARNG. Rtg: MAJ. RW Qual. Time: 2,800 Hrs.

**Brenneth, Joe C., (CW4) (M66) 268 Lawrence Road, South Windsor, CT 06074. Dy: (203) 524-3951. Res: (404) 604-5074. S: Carol. Dy: Pilot-Root Mountain Hqs, Provo, UT. RW Qual. Time: 4,000 Hrs./Oct 1,400.**

**Brewer, Casto L., (CW4) (M79) (Lee)** 285 Little Creek Drive, Shapsburg, GA 30277-9656. Dy: (615) 355-3659. Res: (404) 253-6154. S: Julia Anne. Dy: Pilot, N Co, 4th Sqdn, 278th ACR, TNARNG, Smyrna, TN. Rtg: SAA. RW Qual. Time: 9,800 Hrs.

**Briggeman, William H., (1LT) (M91) (Bill)** 400 E. Scott, Henryetta, OK 74437. Dy: (918) 652-8000. Dy: Platoon Ldr, A Co, 1245 Avn Bn (Spec Ops Aft). Rtg: AA. RW Qual. FW Qual. Time: 375 Hrs.

**Brightman, Brad C., (LTC) (M90) (Brad)** 2109 Dorchester Drive, Mobile, AL 36696. Dy: (205) 694-3870. Res: (205) 661-3506. S: Ann. Dy: Executive Officer, 122nd Spt Gp, Selma, AL. Rtg: MAJ IP MTP. RW Qual. Time: 4,800 Hrs./Oct 1,500 AM18.

**Briscoe, Robert J., (CSM) (M91) (Bob)** 1815 Arabian Way, Faleston, MD 21047. Dy: (301) 386-6204.

Res: (301) 893-0307. S. Carol. Dy. Emergency Vehicle Driver-Baltimore City Fire Dept.

**Brockles, John A.**, (COL) (M90) 22425 4th Ave. S.E. Bothell, WA 98021. Dy: (206) 861-3032. Res: (206) 461-8638. S. Roberta. Dy. Cdr., 6229th USARF School.

**Brookway, Matthew C.**, (LTC) (M91) (Matt) 918 North McKnight Road, Maplewood, MN 55719-3635. Dy: (612) 296-4665. Res: (612) 739-5311. S. Judy. Dy. Bn Commander, St. Paul, MN. Rtg: MAJ IFE. RW Qual. FW Qual. Time: 7,500 Hrs./Cdt 300 AM31.

**Brown, John D.**, (WO1) (M91) (Hyper) 16149 Los Gatos Almaden, Los Gatos, CA 95032-3614. Dy: (408) 237-3535. Res: (408) 356-8064. S. Rima. Dy. Police Officer. RW Qual. Time: 450 Hrs.

**Brosak, M.**, (SSG) (M92) 89 Burton Lane, Commack, NY 11725. Dy: (516) 586-2552. Dy: 9/2-142 AM. NYARNG.

**Bruno, Karl P.**, (1LT) (M91) 2816 Lewiston Road, Niagara Falls, NY 14305. Dy: (716) 298-1435. Res: (716) 282-8208. Dy: Karate Instructor/Pt Ldr, 3rd Pt, A Co, 2-142nd Avn, NYARNG. RW Qual. Time: 400 Hrs.

**Byrsk, Mark S.**, (CPT) (M91) US Embassy/Bogota N.A.S. Avn. Maint. Adv. Units/127, APO AA 34038. Dy: Avn Maint. Advisor, American Embassy, Bogota. Rtg: MAJ MTP. RW Qual. Time: 4,500 Hrs./Cdt 1,712

**Buchheiser, James J.**, (LTC) (M74) (Jim) 9118 48th Place, College Park, MD 20740-1963. Dy: (302) 267-2003. Res: (301) 345-6050. Dy: APPERCEN. Rtg: AA. RW Qual. Time: 1,450 Hrs./Cdt 400 AM1. Past Vp, Fort Monroe.

**Buckley, Otis D.**, (COL) (M92) 10962 Heathfield Road, Jacksonville, FL 32225. Dy: (904) 642-3790. Res: (904) 641-5004. S. Julie. Dy. Cdr, 419th Avn Gp (ATK), FLARNG. AGR. Rtg: MAJ I P. RW Qual. FW Qual. Time: 5,600 Hrs./Cdt 223 AM8.

**Bulman, Roger C.**, (BG) (M91) 1121 Arlington Blvd #507, Arlington, VA 22209. Dy: (703) 697-1260. Res: (703) 522-1452. S. Carey. Dy. Dep. Cdr, Army Reserve, OCAr, Washington, DC. AM1. Life Member.

**Bunnell, Karl G.**, (CSM) (M88) 7563 So. 4470 West, Army Avn Support Facility, West Jordan, UT 84094-6215. Dy: (801) 524-3336. Res: (801) 254-0808. S. Connie. Dy: 211 Av Gp, West Jordan, UT.

**Burbank, Lawrence R.**, (CW4) (M90) (Larry) Chesapeake Bay VP Membr, 517 Tabbutt Avenue, Lutherville, MD 21093-4947. Dy: (410) 671-1810. Res: (410) 272-6427. S. Sue. Dy. Avn Safety Tech, NGB. Rtg: MAJ SP. RW Qual. FW Qual. Time: 8,500 Hrs./Cdt 300 DFC21. 1991 McOlelan Award.

**Burk, Julie N.**, (CW2) (M88) (Julie) 716 Brighton Drive, Wheaton, IL 60182. Res: (708) 482-0442. Dy: C Co, 3-158th Avn, Bldg 122, Geniew NAS, IL. Rtg: AA. RW Qual. Time: 650 Hrs.

**Burke, Andrew P.**, (MAJ) (M85) (Andy) Allied Signal Aerospace, 200 Gibraltar Rd, Ste 122, Hershamp, PA 19044-2398. Dy: (215) 957-6480. Res: (215) 643-9222. S. Laurie.

**Burley, Donald A.**, (CW2) (M91) RD 1, Box 182A, Felton, DE 19943. Dy: (301) 671-3536. Res: (302) 284-3727. Dy: Pilot, AASF - Edgewood, MD. RW Qual. FW Qual. Time: 6,000 Hrs./Cdt 194

**Burnett, Brian L.**, (CPT) (M91) (Norma) P.O. Box 8445, Fort Wayne, IN 46899-8445. S. Karen. Dy: F Co, 238th Avn, Shelbyville, IN. RW Qual. Time: 310 Hrs.

**Burns, Jeffrey H.**, (CPT) (M90) (Jeff) 23 Stony Hill

## C Aviation Reserve Components

Drive, Mystic, CT 06355. Dy: (203) 381-8131. Res: (203) 356-6834. S. Susan. Dy. Senior Logistics Eng, Skorsky Int. Products Inc. Rtg: MTP. RW Qual. Time: 1,000 Hrs.

**Buzzard, Max T.**, (WO1) (M91) (Buzz) 705 W. Washington Drive, Emporia, KS 66801-5577. Res: (316) 342-6222. S. Janet. Dy. Lyon County Appraiser Office, Emporia, KS. RW Qual. Time: 520 Hrs.

**Byrd, James B.**, (1LT) (M92) (Brian) 206 Candlebrook Drive, Enterprise, AL 36330. Dy: (615) 355-3659. Res: (205) 393-2595. S. Ann-Marie. Dy: N Co, 4/228th ACR, Smyrna, TN.

## CCCCCCCC

**Callaghan, Chris J.**, (CW4) (M91) 7 Skyline Drive, Latham, NY 12110. Dy: (518) 899-7633. Res: (518) 785-0389. S. Loreta.

**Calvert, Gregory A.**, (WO1) (M90) (Doc) 1340 Grand Bridge Road, Asheville, NC 28806. Dy: (919) 396-4205. Res: (704) 251-2457. S. Dana Beth. Dy: E Co, 1/82nd Avn, Fort Bragg, NC. Rtg: AA. RW Qual. Time: 500 Hrs.

**Camp, Jeffrey M.**, (2LT) (M68) P.O. Box 277, Newtownton, NY 12125-0277. Dy: (518) 377-5457. Res: (518) 439-1026. Dy: S-2, 1-108th Inf Bn, Schoenfeld, NY.

**Campbell, Coy D.**, (CW4) (M89) 4525 Fulton Road, Jacksonville, FL 32225. Dy: (904) 641-6003. Res: (904) 641-6463. S. Jerl. Dy. Instructor Pilot/Aviation Safety Officer, FLARNG. Time: 9,700 Hrs./Cdt 720

**Campos, Jose F.**, (COL) (M87) Army Avn Support Facility, P.O. Box 3786, San Juan, PR 00904-3786. Dy: (809) 722-3916. Res: (809) 789-6954. S. Elba. Dy: SA4D, San Juan, PR. Rtg: MAJ IFE. RW Qual. FW Qual. Time: 10,000 Hrs.

**Capps, Richard G.**, (BG) (M92) P.O. Box 1008, HO FLARNG, St. Augustine, FL 32085. Dy: (904) 823-0110. Res: (904) 825-0420. S. Sandra. Dy: HQ STARC, Asst AG, FLARNG. RW Qual. FW Qual. Time: 5,000 Hrs./Cdt 1,000 AM21.

**Carberg, Douglas F.**, (CW4) (M87) (Doug) P.O. Box 690848, San Antonio, TX 78269. Dy: (512) 691-1616. Res: (703) 914-1512. Dy: VP Ops, Harnel/Maint Off, C4-158th, Fort Eustis, VA. Rtg: AA.

**Carroll, Edward I.**, (MAJ) (M67) (Eddie) 2612 E Fox Street, Mesa, AZ 85213. Dy: (602) 891-5650. Res: (602) 899-7086. S. Barbara. Dy. McDonnell Douglas, Engineering Mgr. Rtg: AA. Time: 1,800 Hrs./Cdt 600 DFC2, AM13.

**Cavanagh, Ingrid M.**, (SGT) (M88) 3605 NE 20th Street, Apt. 4211, Aventura, FL 33180-3701. Res: (305) 936-1090. S. Kevin. Dy: Cytology/Pathology Technologist, 324 Combat Support Hospital.

**Cavosimo, James M Jr.**, (MAJ) (M91) (The Doc) Gulf Co. Health Dept., 502 Fourth Street, Port St. Joe, FL 32456. Dy: (904) 227-1278. Dy: Flight Surgeon, 33rd Avn Group, Fort Rucker, AL.

**Cassarone, Anthony J.**, (CW4) (M89) (T.J.) 24151 West Buernwood Road, Waukesha, WI 53188. Dy: (414) 544-1150. Res: (414) 547-7366. S. Joanne. Dy: Facility Supr, USAFASF 31. Rtg: IFE SP MTP. RW Qual. FW Qual. Time: 7,000 Hrs.

**Chambless, James N.**, (SSG) (M92) 13941 Athens

Drive, Jacksonville, FL 32223. Dy: (904) 641-8144. Res: (904) 292-5659. S. Carol. Dy: Act Tech, FLARNG.

**Chandler, James T.**, (CW4) (M89) (Jay) 2141 Long Lane, Lebanon, PA 17042. Dy: (717) 865-8917. Res: (717) 274-2967. S. Kim. Dy: Standardization Instructor Pilot, Fort Indiantown Gap, PA. Rtg: SAA IFE. SP. RW Qual. FW Qual. Time: 4,800 Hrs.

**Chapados, Joseph R.**, (CW4) (M92) (Chap) 6320 Gauer Road, Niagara Falls, NY 14305. Dy: (716) 278-7392. Res: (716) 297-0020. S. Janice. Dy: Chemical Operator, OxyChem. RW Qual. Time: 3,600 Hrs./Cdt 1,094 DFC1, AM30.

**Chick, Clifford B.**, (CPT) (M90) 205 Bentley Place Way, Covington, GA 30029. Dy: (404) 922-8606. Res: (404) 784-0350. Dy: Ft Ops Off & HQ Cdr, A Co, 151st MI Bn.

**Christensen, John H.**, (CW2) (M85) (Jack) P.O. Box 8942, St. Lake Tahoe, CA 96158. Dy: (702) 972-2703. Res: (916) 541-6195. S. Marna. Dy: P D Co, 113th Avn, Stead/Hero, NV. Rtg: MAJ I P. RW Qual. Time: 3,500 Hrs./Cdt 525 AMW11. Life Member.

**Clark, David L.**, (WO1) (M88) 521 Creekside Lane, Morgan Hill, CA 95037. S. Lenora. Dy: B Company, 1/140th ATK, Stockton, CA. Rtg: AA. RW Qual. Time: 400 Hrs.

**Clarke, Bodo A.**, (CW3) (M83) 4116 East Baker Avenue, Abingdon, MD 21009. Dy: (410) 965-0302. Res: (410) 671-9573.

**Clarson, Clarence R.**, (CW4) (M71) (Clay) 1612 Cambridge Drive, Norman, OK 73069. Dy: (405) 522-5601. Res: (405) 364-6006. S. Beverly. Dy: MTP/KARNG, Army Avn Spt Fac, Lexington, Rtg: MAJ SP I MTP. RW Qual. Time: 11,800 Hrs. Life Member. Past Pres, Sooner.

**Cleary, Paul J.**, (SSG) (M92) 87 Babcock Avenue, Weymouth, MA 02191. Dy: (609) 966-5164. Res: (617) 335-3606. S. Eleanor. Dy: Crew Chief, UH-1, D Co, 12-126 Avn, Ots ANSG, MA.

**Clements, Andrew S.**, (WO1) (M91) 2635 Tanglefoot Lane, Apt. 10, Bettendorf, IA 52722. Dy: (515) 285-9878. Res: (319) 332-0420. Dy: 989th Med Det (AA), Des Moines, IA. RW Qual. Time: 380 Hrs.

**Cochran, Hubert M.**, (LTC) (M92) (Hub) 521 Yellow Pine Drive, Petal, MS 39465. Dy: (601) 584-7660. Res: (601) 583-8243. S. Teresa. Dy: Asst Public School Principal, Petal, MS. RW Qual. Time: 2,100 Hrs./Cdt 500 AM3.

**Cochran, Thomas S.**, (CW3) (M81) (Scott) 148 Rock Garden Terrace, Marietta, GA 30064. Dy: (404) 421-5284. Res: (404) 429-7891. S. Patricia. Dy: SP. ASF-42, Dobbin AFB. Rtg: SAA IFE SP I P MTP. RW Qual. Time: 4,000 Hrs.

**Coghlan, Harold A.**, (CW4) (M92) (Puma 21) 3230 Kirk Daly Road, Birmingham, AL 35210-4264. Dy: (205) 336-6297. Res: (205) 966-2043. S. Patricia. Dy: Standardization Off, D Co, 1-228th Avn, Croswell, AL. Rtg: MAJ IFE SP. RW Qual. FW Qual. Time: 12,256 Hrs. Past Vp, Mid-America Chapter.

**Colburn, Edward B.**, (CW4) (M92) (Barb) 4568 Creek Road Ext., Lewiston, NY 14304-0306. Dy: (716) 298-1422. S. Roseann. Dy: UH1 Int PWASAO, AASF 2, NYARNG. Rtg: MAJ SP I P. RW Qual. Time: 3,000 Hrs./Cdt 1,000

**Combs, Robert P.**, (SFC) (M91) 17 Woods Way, Clifton Park, NY 12065-2032. Dy: (518) 786-4379. Res: (518) 371-0361. S. Carolyn. Dy: Aircraft Technical Inspector, Army Avn. Supt. Facility No. 3.

**Condon, George W. Jr.**, (COL) (M91) 286 Winding Cove Road, Marston Mills, MA 02548. Dy: (508) 969-5800. Res: (508) 429-9719. S. Susan. Dy: Cdr,



Avn Bld, 26th St. Rtg: SP. RW. Jctd. FW Qual. Time: 16,000 Hrs./Cdt 1,240 AM/36.

**Conley, Joseph P.**, (LTC) (M87) (Joc) "Foster Atlanta VP Membr., 11977 Plantation Parkway, Fayetteville, GA 30214. Dy: (404) 362-3443. Res: (404) 461-0733. S: Susan. Dy: USAR Avn Advisor, HQ 2A. Rtg: IP. RW Qual. FW Qual. Time: 5,500 Hrs./Cdt 1,600 AM/25. Past VP, Southern California Chapter.

**Connell, Charles B.**, (CSM) (M87) (Conly) 13759 S 287 E Avenue, Covetta, FL 32114. Res: (904) 918 835-1302. S: Nancy. Dy: CSM, 1 Bn, 245 Avn (So Ops), (Abn), Tulsa, OK.

**Corlea, Shane S.**, (SGT) (M89) 319 Sutton Circle, Apt. 229, Daytona Beach, FL 32114. Res: (904) 238-0553. Dy: Student w/FAU.

**Cory, Michael M.**, (CW4) (M82) 1223 Forest Oak Drive, Neptune Beach, FL 32066. Dy: (904) 241-2224. Res: (904) 241-0897. S: Alan. Dy: Mercal Paper. RW Qual. Time: 4,000 Cdt 800 AM/32.

**Cowart, Noel T.**, (CPT) (M89) (T) 104 Huckleberry Lane, Doham, AL 36303. Dy: (205) 255-2520. Res: (205) 598-9512. S: Linda. Dy: Aviation Training Spc, ARNG Avn Division Multi-Mk/Brnch. Rtg: MAA. RW Qual. FW Qual. Time: 2,900 Hrs.

**Cox, David H.**, (WO1) (M82) 96 11 25 Avenue, East Exhouston, NY 11369. Dy: (516) 737-4459. Res: (718) 446-4914. S: Eileen. Dy: C-7-142. RW Qual. FW Qual. Time: 450 Hrs.

**Coy, Chris A.**, (MAJ) (M94) 3733 Peachford Bridge Dr., Columbus, OH 43026. Dy: (614) 492-3497. Res: (614) 676-2732. S: Susan. Dy: XO, 2nd Bn, 137th Avn (Comp), Rtg: SAA. RW Qual. Time: 2,000 Hrs. Life Member.

**Crawford, Gregory E.**, (2LT) (M90) (Crawf) 25 Donovan Lane, Fort Rucker, AL 36362. Res: (205) 598-6157. S: Dawn. Dy: O Co, 1/149th Avn Regt., Fort Rucker, AL.

**Creed, Kevin E.**, (MAJ) (M81) (Apolo) 166th Aviation Regiment (USAR), Box 1012, APO AE 09140. S: Evelyn J. Dy: Asst. S-3 (AGR Full Time), 11-Joshelm, Germany. Rtg: SAA. RW Qual. Time: 1,500 Hrs.

**Croker, Byron P.**, (LTC) (M90) (Byron) 15 S.W. 41st Street, Gainesville, FL 32607-9759. Dy: (904) 642-3790. Res: (904) 373-0607. S: Chndy. Dy: Right Surgeon, 419th Avn Gp. Time: 800 Hrs.

**Cuff, Michael J.**, (CPT) (M86) 1779 Hollywood Blvd., Neo Cedar Rapids, IA 52403-7914. Dy: (319) 233-0901. Res: (319) 393-5240. S: Paula. Dy: Cdr, 2 Wing, 1/194 Cav. Rtg: SP. Time: 1,430 Hrs.

**Culp, Jeffrey R.**, (CSM) (M83) (Jeff) Winton Gap Gap Chap. 178, Norway Lane, Lebanon, PA 17042. Dy: (717) 865-6796. Res: (717) 274-1904. S: Bonnie. Dy: Estm Arng Avn Trng Site, Ft. Inlandtawn Gap.

**Cummings, Dorothy L.**, (CW2) (M82) 27014 Rocky Hollow, San Antonio, TX 78258. Dy: (529) 455-0680. Res: (512) 491-9665. Dy: Airline Pilot, Continental Airlines, ARNG, Austin, TX. RW Qual. FW Qual. Time: 3,000 Hrs.

**Cummins, Donald P.**, (CW3) (M90) (Don) 1038 Alpha Drive, Jacksonville, FL 32211. Dy: (800) 422-7642. Res: (904) 743-5641. S: Gretchen. Dy: Commercial Helicopter Pilot, Rocky Mtn Hopt, Inc. Rtg: IP. RW Qual. Time: 6,000 Hrs./Cdt 546

**Cutajar, Robert C.**, (CPT) (M82) (Bob) P.O. Box 470604, Charlotte, NC 28247-0604. Dy: (704) 556-4127. Res: (704) 554-9442. S: Ann Marie. Dy: HSC, 1-130th Alk Hopt Bn, (NCARNG).

# E Aviation Reserve Components

## DDDDDDDDDD

**Daniels, Ronald C.**, (CW3) (M91) 67 Dutchess Hill Road, Poughkeepsie, NY 12601. Res: (914) 454-7670. S: Maria. Dy: Pilot.

**Davis, James A.**, (SSG) (M89) (Jim) P.O. Box 11488, Yuma, AZ 85366-9488. Dy: (602) 343-9216. Res: (602) 343-9216. S: Jeanette. Dy: VP, Avn Svcs & Systems Support, Inc.

**Davis, Ronald E.**, (SGT) (M92) 10255 Highway 55, Boise, ID 83703. Dy: (208) 653-3500. Res: (208) 933-1119. Dy: Receiving Mgr, Payless Drug Store.

**Devason, Tracy E.**, (1LT) (M90) 2524 Pleasant Valley Dr., St. Charles, MO 63033. Dy: (314) 576-9661. Res: (314) 949-8238. Dy: Credit Mgr, Norwest Financial. RW Qual. Time: 450 Hrs./Cdt 12

**DeBarge, George L.**, (SFC) (M92) (Gunny) 20 Brainerd Road, Wilbraham, MA 01096-1431. Dy: (413) 730-3474. Res: (413) 596-8669. S: Barbara. Dy: AVUM Plt. Sgt./Det. Sgt., Westover AFB, Chicopee, MA.

**Deiss, Bobby R.**, (CW2) (M86) (Odie) Armadillo Chapter Secy, 2030 Plantation Dr., B-B, Conroe, TX 77301-1043. Dy: (409) 539-4191. Res: (409) 539-9624. S: Donna. Dy: Medical Evacuation Pilot, 273rd Med Detach. RW Qual. Time: 800 Hrs./Cdt 20 AM/1.

**DeJoy, Gary E.**, (LTC) (M83) 134 Lake Shore Drive, Daphne, AL 36526. Dy: (205) 433-3320. Res: (205) 626-3006. S: Karen. Dy: Chief, Avn Dir 167th MHC, ALARNG, Homewood, AL. Rtg: MAA IFE SP. RW Qual. FW Qual. Time: 8,500 Hrs./Cdt 1,650 AM/24.

**Dellapenna, Terry L.**, (1LT) (M82) 2 Somerset Parkway, Daleville, AL 36322. Dy: (205) 255-3311. Res: (205) 598-2557. S: Michael. Time: 120 Hrs.

**Denhartog, James J.**, (CW2) (M89) (Hog) 1005 Lake Avenue, Spring Lake Heights, NJ 07762. Dy: (609) 530-4258. Res: (201) 449-1554. S: Suzanne. Dy: Federal Tech, Right Instructor, NIAARNG. Rtg: IP. RW Qual. Time: 700 Hrs.

**Denson, Kerry G.**, (COL) (M87) 4996 Midway Lane, Marshall, WI 53569-9743. Dy: (608) 241-6404. Res: (608) 658-4023. S: Susan. Dy: State Avn Officer, WARRNG. Rtg: MAA IP. Time: 9,500 Hrs./Cdt 1,100 DF/1, AM/35, 1 Silver Star, 1 Purple Heart.

**Dent, Daniel M.**, (CPT) (M87) (Dan) 9211 North Condar Place, Tucson, AZ 85741. Dy: (602) 624-7503. S: Lynda. Dy: Academic Support Branch Chief, Western ARNG Avn Trng Site. Rtg: SAA IP MTP. RW Qual. Time: 1,500 Hrs.

**DeReamer, William E.**, (1LT) (M91) 3932 Kenwood Avenue, Louisville, KY 40207. Dy: (502) 896-6995. Res: (502) 896-6995. Dy: Sale Rep, Command Pkg. RW Qual. Time: 500 Hrs.

**Dickens, Brian W.**, (1LT) (M91) 3101 Shoreline Drive, Apt. 2314, Austin, TX 78728-2314. Dy: (512) 465-5614. Res: (512) 388-4454. Dy: TXPARNG. RW Qual. Time: 1,200 Hrs. AM/1.

**Dillon, Richard T.**, (LTC) (M92) (Dick) Niagara Falls NVAARNG Pres, 26 Rollingwood Drive, Lancaster, NY 14066. Dy: (716) 298-1431. Res: (716) 681-1974. S: Cheryl. Dy: CPT-Erie County Sheriff, RW Qual. Time: 3,200 Hrs./Cdt 700 DF/21, AM/2.

**Dinicola, Alan J.**, (2LT) (M92) 55 East Harris

Avenue, Fort Rucker, AL 36362. Dy: (205) 255-3311. Res: (205) 598-1276. S: Marie. Dy: IERN, Fort Rucker.

**Doelson, Ronald W.**, (LTC) (M72) (Ron) 4 Derbyshire, Derby, CT 06418. Dy: (203) 366-5071. Res: (203) 732-2583. S: Linda. Dy: Senior Technical Eng, Sikorsky Act, IRR. Rtg: SAA IP. RW Qual. Time: 2,460 Hrs./Cdt 1,380 DF/21, AM/21.

**Dorf, Randal E.**, (CPT) (M85) (B.K.A.A.F.) Box 151, APO AE 09111. S: Robyn. Dy: Det. Cdr. RW Qual. Time: 600 Hrs.

**Doroff, Donald A.**, (1SG) (M91) 103 River Woods Lane, Burnsville, MN 55337-3320. Dy: (612) 727-0234. Res: (612) 894-5057. S: Toni. Dy: Aircraft Dispatcher, Northwest Airlines.

**Dotolo, Robert L.**, (CW4) (M80) (Bob) 422 Laurel Hill Avenue, Norwich, CT 06360-6936. Dy: (203) 441-2568. Res: (203) 889-4173. S: Patricia. Dy: Personnel Officer, CT-AVCRAD, Groton, CT.

**Doucota, Theodore J.**, (CPT) (M92) (Ted) 7 Fryer Drive, Pocasset, MA 02559-1930. Dy: (508) 966-5863. Res: (508) 965-5006. S: Jean. Dy: AGR Trng Off, Ft. Bragg Avn (AVUM). Rtg: SAA MTP. RW Qual. Time: 1,500 Hrs.

**Douglas, Michael E.**, (CPT) (M80) 11401 9th Street N, Apt. 315, St. Petersburg, FL 33716. Dy: (813) 522-3131. Res: (813) 577-6211. Dy: 1186 USA Trans Term, Tampa, FL. Rtg: AA TP. RW Qual. Time: 800 Hrs.

**Dove, Billy C., Jr.**, (CW2) (M81) 183 Bobolink, Conroe, TX 77385. Dy: (713) 233-1198. Res: (409) 273-3267. S: Jennifer. Dy: Pilot, Continental Express, AP 64 Pilot, Houston, 1-149th Avn. RW Qual. FW Qual. Time: 400 Hrs.

**Doyle, Raymond S.**, (MAJ) (M91) 415 Fox Hill Drive, Bating Hollow, NY 11933-9508. Dy: Counter Narcotics, NYARNG. RW Qual. Time: 1,200 Hrs.

**Drey, Dennis B.**, (MAJ) (M90) 475 Crisfield Drive, Abingdon, MD 21009. Dy: (410) 671-1751. Res: (410) 569-3693. S: Jeanette. Dy: Avn Trng Off, N3B, Edgewood, MD. Rtg: SAA. RW Qual. Time: 1,300.

**Dubois, Adam Jr.**, (CSM) (M89) 7747 Lake Park Drive, Jacksonville, FL 32208-3022. Dy: (904) 641-8144. Res: (904) 765-3368. S: Yvonne. Dy: 419th Aviation Group, Jacksonville, FL.

**Dufresne, Norman J.**, (SSG) (M92) (Frenchy) 30 Sarah Lane, Belchertown, MA 01007-9761. Dy: (413) 557-3241. S: Heidi. Dy: Act Inspector, Westover AFB, MA.

**Dula, Richard A.**, (2LT) (M82) (Rich) P.O. Box 620644, Fort Rucker, AL 36362. Dy: (205) 255-3311. Res: (205) 598-6711. Time: 110 Hrs.

**Dumas, Robert E.**, (CW2) (M82) (Bob) P.O. Box 223, North Uxbridge, MA 01538-0223. Dy: (508) 746-6000. Res: (508) 234-2387. Dy: Hostr Pilot, Plymouth Copters. RW Qual. FW Qual. Time: 6,000 Hrs./Cdt 750 AM/21.

**Dunston, Stanley W.**, (CPT) (M89) 1800 North Harrison Ave., Cary, NC 27513. Res: (919) 677-0082. Dy: S-1, 1-130th Avn. Bn. RW Qual. Time: 1,200.

## EEEEEEEEEE

**Eaton, Mark D.**, (2LT) (M92) P.O. Box 838, Kathleen, FL 33849. Dy: (813) 853-1145. Res: (813) 853-1145. S: Sherril. Dy: 199 Medical Unit.

**EBhardt, Paul G.**, (CPT) (M91) 408 Robin Lane, Enterprise, AL 36330. Dy: (205) 255-2413. Res: (205) 347-0143. S: Robin. Dy: Blackhawk Co Cdr. Rtg: AA. Time: 900 Hrs.

**Eckerson, Bruce H.**, (MAJ) (M84) 209 East Main Street, Bridgeport, WV 26330. Dy: (304) 842-8870.



Dy: Cdr, FW Detachment, EAATS. Rtg: MAA IFE  
IP. Time: 6,500 Hrs./Cbt 1,150

**Edmonds, Neal J.**, (CW2) (M85) 11821 Chase  
Walesley Dr., Apt. 816, Richmond, VA 22333. Dy:  
(804) 236-7306. Res: (804) 360-5215. Dy: B Co,  
2-224th (Assault), VAARNG, Richmond, VA. Rtg:  
AA. RW Qual. Time: 1,000 Hrs. AM1. Life  
Member.

**\*Edsall, Douglas M.**, (WO1) (M82) (Pugsley) 1101/2  
Cemetery Street, Littlestown, PA 17340-1508. Dy:  
(301) 677-7251. Res: (717) 359-5737. Dy: Aircraft  
Mech. CAD, USAR, UH-1. (H-60) Pilot, Fort Meade,  
MD. RW Qual. Time: 250 Hrs.

**Ess, John P.**, (CW4) (M82) (JoeMan) 54 Mary Vista  
Court, Tonawanda, NY 14150. Dy: (716) 856-6089.  
Res: (716) 694-0126. Dy: Erie Co. Health Dept., St  
Public Health Sanitarian. Rtg: IP. RW Qual. Time:  
4,000 Hrs./Cbt 800 DFC2, AM/6

**Elliff, Donald A.**, (CW4) (M91) (Don) 3416 Deyer  
Drive, Waco, TX 76708-1710. Dy: (817) 867-4500.  
Res: (817) 754-4400. S. Mary Jo. Dy: Program  
Mgr. Chrysler Technologies Airborne Systems. Rtg:  
MAA MTP. RW Qual. FW Qual. Time: 4,600  
Hrs./Cbt 1,900. DFC1, AM/68

**Ellis, Bradford N.**, (CPT) (M85) (Brad) 2840 Mary  
Marvin Trail, Fuquay-Varina, NC 27526. Dy: (919)  
664-6116. Res: (919) 639-0381. S. Nancy. Dy:  
AVUM PR Ldr, HSC 1130th Avn, Morrisville. Rtg:  
AA MTP. RW Qual. Time: 775 Hrs.

**\*Enault, James E.**, (COL) (M85) (Jim) 3137  
Readsborough Court, Fairfax, VA 22031. Dy: (703)  
354-6884. Res: (703) 280-1220. S. Nancy. Dy:  
OSD/CIS Coordination Center, Pentagon,  
Washington, DC. Rtg: SAA.

**Engler, Richard C.**, (LTJG) (M90) (Dick) 5 Hilltop  
Court, Hood Point, NY 11773. Dy: (516) 588-2552.  
Res: (516) 744-3849. S. Bev. Dy: Instructor Pilot  
(Supv) NYARNG ASF 1. Rtg: MAA IFE SIP MTP.  
RW Qual. FW Qual. Time: 6,000 Hrs.

**Enright, John L.**, (LTJG) (M89) Narragansett Bay  
St. VP, 21 Sykes Road, Seekonk, MA 02771. Dy:  
(401) 267-3007. S. Karen. Dy: AASF Quonset State  
Airport, RI. Rtg: MAA IFE SIP. RW Qual. Time:  
5,800 Hrs./Cbt 998 AM/22.

**Erickson, Ernest T.**, (MAJ) (M90) (Tage) 111 Brush  
Hill Road, Clinton, CT 06413. Dy: (203) 386-5501.  
Res: (203) 669-3577. S. Lois. Dy: Chief Test Pilot,  
MH-60K (SOA) Prog, Sikorsky Act. Rtg: MAA TP.  
RW Qual. FW Qual. Time: 5,040 Hrs.

**\*Erickson, Ernest A.**, (CPT) (M88) (Ernie) 2316  
Orcle Drive, Ben Salem, PA 19020. Dy: (215)  
674-1456. Res: (215) 639-3236. S. Sue. Dy: Co  
Cdr, D Co, 4158 Avn. Rtg: AA. RW Qual. Time:  
1,200 Hrs.

**\*Eischer, Mark E.**, (WO1) (M91) 8141 Tal  
Timber Drive, Gainesville, VA 22065. Res: (703)  
754-0786. Dy: B Co, 5-158th Avn Regt, Fort Meade,  
MD. Rtg: AA. RW Qual. Time: 200 Hrs.

**Espenschied, Dean W.**, (CPT) (M89) 1155 West  
Ash, Decatur, IL 62526. Dy: (217) 422-3687. Res:  
(217) 875-4529. S. Tana. Dy: IP/ONS Officer, IL-  
ARNG. Rtg: SAA SIP MTP. RW Qual. FW Qual.  
Time: 2,100 Hrs.

**Everitt, Leslie T.**, (COL) (M85) (Les) Tarheel  
Chapter President, 1200 Keith Drive, Cary, NC  
27514. Dy: (919) 664-6150. Res: (919) 467-0644.  
S. Sylvia. Dy: State Avn Dir, NCARNG, Raleigh,  
NC. Rtg: MAA SIP. RW Qual. FW Qual. Time: 5,300  
Hrs. Past VP, Tarheel Chapter.

**Evling, Earl P.**, (LTJG) (M83) 6 Christopher Court  
West, Hummelstown, PA 17036. Dy: (410)  
671-1749. Res: (717) 566-6182. S. Trudy. Dy:  
Chief, Safety & Occ. Health Div, NGB, Directorate

## F Aviation Reserve Components

of Avn. & Safety. Rtg: MAA IP MTP. RW Qual.  
FW Qual. Time: 4,100 Hrs./Cbt 244

**Foley, Cliff D.**, (CPT) (M88) (Ave) 519 Scott Street,  
Boise, ID 83705. Dy: (208) 369-5064. Res: (208)  
345-9871. S. Joanne. Dy: B Co Cdr, 1-183rd Ak  
Hqtr Bn. Rtg: AA. RW Qual. Time: 1,200 Hrs.

FFFFFFFF

**Foutz, Robert E.**, (CW2) (M91) 21 Hemlock Drive,  
Greenfield Center, NY 12833. Dy: (518) 453-1807.  
Res: (518) 587-9027. S. Carol. Dy: HHD STARC,  
NYARNG, Pilot. Rtg: MAA. RW Qual. FW Qual.  
Time: 5,300 Hrs.

**\*Foltry, Desmond L.**, (1LT) (M91) (Woodly) 333  
Mote Road, West Point, GA 31833-9666. Dy: (706)  
645-4057. Res: (706) 893-8218. S. Kim. Dy: 6159th  
Avn Regt (AA), Fort Benning, GA. RW Qual. Time:  
165 Hrs.

**Folson, Ricardo A.**, (MAJ) (M83) (Ricky) 913 Isaura  
Amaz Street, Country Club, Rio Piedras, PR 00924.  
Dy: (809) 722-3916. S. Maribel. Dy: Bn S-3, 1-192  
Crd Avn Bn, HQ STARC, PRARNG. Rtg: SAA IP  
MTP. RW Qual. Time: 1,800 Hrs.

**Fallon, Lawrence**, (LTC) (M78) (Larry) 365 Grand  
Court, San Jose, CA 95123. Dy: (408) 225-5444.  
S. Judy. Dy: FW Flight Instructor, San Jose, CA.  
RW Qual. Time: 1,800 Hrs.

**Faulk, Ryan D.**, (1LT) (M92) Route 4, Box 1702,  
Abbeville, LA 70510. Dy: (318) 262-5444. Res: (318)  
858-9386. R. Joel. Dy: Probation & Parole Agent,  
Dept. of Corrections, LD.

**Feldman, Robert J.**, (MAJ) (M88) (Bob) 1980  
Marion Street, Dubuque, IA 52003-7136. Dy: (319)  
557-1465. Res: (319) 582-4548. S. Nancy. Dy:  
1187th Military Company (AA) CDR, Boone, IA. Rtg:  
SAA. RW Qual. Time: 1,800 Hrs. Life Member.

**Fellenzer, John D.**, (MAJ) (M91) 16 Standish  
Avenue, Middletown, NY 10940. Dy: (518)  
786-4888. Res: (914) 344-0390. S. Deborah. Dy:  
HSC Company Cdr, 1-142 Avn Regt, NYARNG. Rtg:  
SAA. RW Qual. Time: 1,400 Hrs.

**Ferguson, Corey J.**, (CW4) (M73) 28382 Rones,  
Mission Viejo, CA 92692-2234. Dy: (213) 646-4111.  
Res: (714) 768-5484. S. Barbara. Dy: OVI-1  
Instrument R Exam, A Co, 641st MI Bn, Salem, OR.  
Rtg: MAA IFE SIP. RW Qual. FW Qual. Time: 10,200  
Hrs. Life Member.

**Ferguson, Frederick E.**, (CW3) (M84) (Fred) 106  
South Stalker Pkwy., Chandler, AZ 85226-3725. Dy:  
(602) 267-2797. Res: (602) 961-9634. S. Ann. Dy:  
SIP, Co C, 1 Bn, 106 Avn, Parago AAF, Phoenix.  
Rtg: MAA SIP. RW Qual. FW Qual. Time: 7,300  
Hrs./Cbt 1,009 DFC1, AM1V, 38AM, HOF.

**Fernini, Daniel J.**, (CW2) (M89) (Dano) 31 Pearl  
Street, P.O. Box 175, Mattapoisett, MA 02739. Dy:  
(508) 968-5164. Res: (508) 758-9017. S. Linda. Dy:  
A Co, 2126th Avn, Ots ANGB (FMH). RW Qual.  
Time: 525 Hrs.

**Fernini, Joseph L.**, (COL) (M87) (Joe) 1348 Angelo  
Drive, Castleton, NY 12033. Dy: (518) 786-4599.  
Res: Kathy. Dy: SAAO, NYARNG. Rtg: MAA IFE SIP  
MTP. RW Qual. FW Qual. Time: 4,200 Hrs./Cbt 560  
AM/4.

**\*Finch, Charles S., Jr.**, (COL) (M86) Greater Atlan-  
ta VP USAR, 2349 Rugby Avenue, College Park,

GA 30337. Dy: (205) 255-2331. Res: (404)  
785-0486. S. Nancy. Dy: Army Reserve, 33rd Avn  
Group, Fort Rucker, AL. Rtg: MAA AA IP. RW Qual.  
FW Qual. Time: 11,000 Hrs./Cbt 1,428 DFC1,  
AM/38.

**Finell, Joel W.**, (1LT) (M82) 1903 Pinewood Drive,  
Smithfield, RI 02917-3134. Dy: (401) 272-6500. Res:  
(401) 231-1496. S. Susan. Dy: Blue Cross & Blue  
Shield of RI. Rtg: AA. RW Qual. Time: 550 Hrs.

**Fiscus, James M.**, (CW3) (M91) (Mike) P.O. Box  
577, Brownsville, IN 46112-0577. Dy: (812)  
526-1139. Res: (317) 852-9671. S. Frances. Dy:  
Aviation Safety Officer, Camp Atterbury, IN. Rtg:  
MAA. RW Qual. FW Qual. Time: 8,000 Hrs./Cbt  
1,910 AM/33.

**Floor, Anthony D.**, (CPT) (M89) (Tony) 1089 East  
Calverge Road, Park City, UT 84060-5638. Dy: (801)  
524-3714. Res: (801) 649-4728. S. Julie Anne. Dy:  
HSC Co Cdr, 1211th Avn Attack.

**Flanders, Stephen A.**, (MAJ) (M81) 229 Midland  
Avenue, Montclair, NJ 07042. Dy: (908) 815-4931.  
Res: (201) 746-4673. Dy: XO, 5-117th Cav. Rtg:  
SAA. Past Sec, Saranah Chapter.

**Fleischacker, Ronald R.**, (CW2) (M85) P.O. Box  
363, Kutztown, AK 99752-0363. Dy: (907) 442-3105.  
Rtg: AA. RW Qual. FW Qual. Time: 1,600 Hrs.

**\*Fleming, Patricia A.**, (MAJ) (M78) (Pat) 400 East  
Kingswood Drive, Enterprise, AL 36330-3429. Res:  
(205) 383-2452. S. Al. Dy: Avn Logistics Officer,  
121st ARAC. Rtg: SAA MTP. RW Qual. FW Qual.  
Life Member.

**Fleming, Robert L.**, (CW4) (M89) 27 Neptune Drive,  
Rumsey Island, Joppa, MD 21088. Dy: (410)  
671-1838. Res: (410) 678-3695. S. Wanda. Dy:  
ARNG CAC. S. Architect, NGB Design Review Div.  
Rtg: MAA IP SIP. RW Qual. Time: 2,800 Hrs./Cbt  
1,051 AM/29.

**\*Flora, Herman M.**, (MAJ) (M81) 4012 Oades  
Drive, Plano, TX 75024. Dy: (214) 952-2815. Res:  
(214) 393-9995. S. Maxine. Rtg: SAA IP. RW Qual.  
Time: 1,950 Hrs.

**\*Fogel, Philip J.**, (COL) (M75) 720 Lynn Lane, Gulf  
Blum, PA 19406. Dy: (215) 354-0298. Res: (215)  
687-4090. S. Michaelene. Dy: Cdr, 127th MA Det  
(R&D), 79th ARCOM. Rtg: MAA. RW Qual. FW  
Qual. Time: 2,750 Hrs./Cbt 850 DFC1/16.

**Foster, Stephen A.**, (LTC) (M90) 4006 Chaverly  
Drive East, Lakeside, FL 33613. Dy: (813) 648-3220.  
Res: (813) 648-3529. S. Donna. Dy: Army Avn  
Support Facility Cdr, FLARNG. Rtg: MAA IFE SIP.  
RW Qual. Time: 8,800 Hrs./Cbt 737 AM/15.

**Foundas, Jeffrey S.**, (1LT) (M91) (Jeff) 3701  
Parkway Lane, Apt. 25C, Irvine, CA 92715. Dy:  
(714) 733-9277. Res: (205) 588-5896. S. Julanna.

**\*Fowler, Dianne E.**, (MAJ) (M83) 7630 Chancellor  
Way, Springdale, VA 22153. S. David. Dy: PR-NO  
Unit. Life Member. Past Treas, Checkpoint Charlie  
Chapter.

**Fowler, John V.**, (CW4) (M83) 11837 Shropshire  
Bldg., Austin, TX 78753-6823. Dy: (512) 465-5635.  
Res: (512) 635-6765. S. Victoria. Dy: C-12 Pilot,  
HQ STARC TXARNG, Austin, TX. Rtg: MAA SIP.  
RW Qual. FW Qual. Time: 13,752 Hrs./Cbt 828  
AM/TV, 30 OLC. Past Pres, Lone Star Chapter.

**Francioni, George P.**, (COL) (M87) (George) 2405  
Southlake Cove Court, Jonestown, GA 30226-7912.  
Dy: (404) 752-4233. (404) 603-8282. S. Bonnie.  
Dy: Chief Avn Office US ARCA Army Reserve  
Cmnd. Rtg: MAA IFE. RW Qual. FW Qual. Time:  
7,000 Hrs./Cbt 1,600 DFC1, AM/22.

**Frederickson, Scott E.**, (1LT) (M90) 1307  
Woodstock Avenue, Ames, IA 50010. Dy: (515)  
424-4135. Res: (515) 292-5047. S. Jodi. Dy: JANG,

D Co, 1-109 Av, Boone, IA. RW Qual. Time: 300 Hrs.

**Fridmann, Gerard**, (CPT) (M86) (G-Mem) 234 Greenway North, Forest Hills, NY 11375-6074. Dy: (508) 966-5844. Res: (718) 520-1160. Dy: MAARNG LNO Avn Bde. Rgt: AA SAA. RW Qual. Time: 1,100 Hrs. Life Member.

**Frigo, Joseph M.**, (SSG) (M82) (Mile) 10250 Colonial Court S., Jacksonville, FL 32225. Dy: (904) 841-8144. Res: (904) 648-3633. S: Elizabeth. Dy: Act Mech Tech, Army Avn Support Facility 1.

**Frisol, Mark H.**, (CWS) (M82) Old Tuscon Chap. VP Memb., 9668 North Hampshire, Tucson, AZ 85741. Dy: (602) 824-7522. Res: (602) 742-5689. S: Karen. Dy: B 1285 Avn, AZARNG, Marana, AZ. Rgt: SAA SP. RW Qual. Time: 5,200 Hrs. Life Member.

**Fritz, John L.**, (SFC) (M82) (Jack) 6734 Dugway Road Ext., Conesus, NY 14435. Dy: (716) 783-5407. Res: (716) 946-9887. S: Linda. Dy: Act Systems Foreman, AASF 4, NYARNG.

**Fuhrman, Roy R.**, (2LT) (M82) P.O. Box 620562, Fort Rucker, AL 36382. Dy: (205) 255-3311. Res: (205) 586-3190. S: Kim. Dy: D1-145. RW Qual. Time: 199 Hrs.

**Fulfer, Carlton**, (CW2) (M85) (Carl) P.O. Box 504, High Street, Williamstown, VT 05679-0504. Dy: C Co, 2126th Avn. Bn., Burlington, VT. Rtg: AA. RW Qual. Time: 900 Hrs.

## GGGGGGGGGG

**Gabriel, Robert R.**, (MSG) (M89) (Gabe) 735 Lee Boulevard, Hillside, IL 60162-1130. Dy: (708) 657-2355. Res: (708) 544-3539. S: Veronica. Dy: Ops NCO, 3/158th Avn Regt, NAS Glenview.

**Galbrest, Bruce K.**, (1LT) (M88) 12543 S.E. Linwood Avenue, Act. D-8, Milwaukie, OR 97222. Dy: (503) 526-8578. Res: (503) 654-9619. Dy: Portland Marketing Group.

**Gardner, Jerry N.**, (1LT) (M91) (Snake) 2824 Silca Heights, NO. B-44, Berton, AR 72015. Dy: (501) 771-5611. Res: (501) 776-0745. Dy: Company Cdr, C Co., 1/114th AHB, Camp Robinson, NLR, AR. RW Qual. Time: 500 Hrs.

**Garratt, Robert H.**, (SSG) (M82) (Bob) 133 Wilson Avenue, Chicopee, MA 01013. Dy: (413) 543-6236. Res: (413) 562-6411.

**Gaudette, Andrew Leon**, (WO2) (M82) Deer Run Estates, Box 54, Daleville, AL 36522. Dy: (205) 255-4006. Res: (205) 299-3434. S: Kimberly. Dy: Flight Student. RW Qual. Time: 150 Hrs.

**Gaughan, Wm. G. Jr.**, (CW4) (M71) (Big) 60 Gosenock Point Road, Oceanport, NJ 07757. Dy: (201) 724-4580. Res: (908) 222-0148. S: Janna. Dy: P. Trip. C, 5/117th Avn, NJARNG, Westfield. Rtg: MAA SP TP IFE P. RW Qual. FW Qual. Time: 5,000 Hrs./Cdt 365

**Gaithas, David P.**, (1LT) (M82) 27 Oaks, 799 Donnell Boulevard, Daleville, AL 36522. Dy: (205) 255-3311. Res: (205) 596-3666. Dy: D1-145.

**Gerard, Peter J.**, (WO2) (M81) 11 Cranberry Drive, Hope, RI 02831. Res: (401) 821-9938. S: Lisa. Dy: A Co., 1/126th Avn. Regt., N. Kingstown, RI. RW Qual. Time: 210 Hrs.

**Gleitz, Charles**, (MAJ) (M81) (Chuck) MacArthur Chapter Sr. VP, 76 Powell Place, Farmingdale, NY 11735. Dy: (516) 737-4848. Res: (516) 420-1649. S: Donna. Dy: Commander, Cdr, 142 Avn, NYARNG. RW Qual. Time: 2,600 Hrs./Cdt 825 AM/33.

**Gillette, Bruce M.**, (CPT) (M89) HHC USMCA,

## H Aviation Reserve Components

Unit 76405, Box 450, APO AE 09235. S: Theresa. Dy: Cdr, HHC United States Military Community Activity, Rpt. Qual. FW Qual. Time: 1,463 Hrs. Past Srvp, Checkpoint Charlie Chapter.

**Gilmore, William C.**, (CW4) (M87) (Bill) 7117 Birkshire Drive, Amarillo, TX 79109-6499. Dy: (214) 263-0941. Res: (806) 354-2720. S: Mary. Dy: B Co, 1/158th Avn Regt, USAR, Grand Prairie, TX. AA IP IFE. RW Qual. RW Qual. Time: 4,500 Hrs./Cdt 1,300 DFC1.

**Glasgow, Frank L.**, (LTC) (M71) Box 636, Fort George Meade, MD 20755. Dy: (301) 677-3945. Res: (301) 674-4573. Dy: AGR Executive Officer, 31st Combat Avn Group. Rtg: MAA IP TP. RW Qual. FW Qual. Time: 2,600 Hrs.

**Gold, Jonathan C.**, (CPT) (M90) (Jon) 2736 Cortland Place NW, Washington, DC 20005. Res: (202) 232-3963. Dy: Division Avionics Maintenance Office, 29th ID (L), Ft. Belvoir, VA. RW Qual. Time: 300.

**Goodale, John A.**, (MAJ) (M81) 1171 Lafayette Court, Boise, ID 83705-5633. Dy: (208) 389-5212. S: Elizabeth. Dy: Bn S-3, 1-163rd Avn Bn, Boise, ID. Rtg: SAA. RW Qual. Time: 1,942 Hrs.

**Gottlieb, Norman**, (LTC) (M73) (Norm) 3332 Elm Terrace, Falls Church, VA 22042. Dy: (703) 665-6966. Res: (703) 660-8380. S: Joan. Dy: USAR Cmd Mgr, HQ DA ODCSOPS, Pentagon, Washington, DC. Rtg: AA IP. RW Qual. Time: 1,575 Hrs./Cdt 760 AM/5.

**Grace, Thomas K.**, (SPC) (M91) (G-Man) 4598 Danita Lane, Yorba Linda, CA 92666. Dy: (213) 795-2458. Res: (714) 970-0638. Dy: AH-IP Crew Chief, 1/16th Cav, Los Alamitos AFB.

**Gracia, Paul J.**, (SGT) (M89) 335 Pensing Drive, San Leandro, CA 94577. Dy: (415) 883-2411. Res: (415) 835-3975. Dy: 6th Avn. Co. Hamilton AAF, Novato, CA.

**Graham, Charles G.**, (1LT) (M89) P.O. Box 745, Ozark, AL 36361-0745. Dy: (205) 255-2413. Res: (205) 797-1108. Dy: B Co, 1-158th, Fort Rucker, AL. Rtg: AA. RW Qual. FW Qual. Time: 1,650 Hrs. Life Member.

**Grasso, Domenick**, (CW2) (M91) 4 Farnsworth Drive, Apt. 10, Sunterlands, NY 12159. Dy: (518) 274-2650. Res: (518) 452-4940. S: Desirra. Dy: AH-1S Pilot.

**Gray, David L.**, (CPT) (M82) 4501 Oak Creek Drive, Austin, TX 78727-2633. Dy: (512) 465-5013. Dy: (512) 255-0746. Dy: Weapons Pl Ldr, F Co, 149th Avn Bde, TXARNG. Rtg: AA TP. RW Qual. Time: 1,200 Hrs.

**Gray, Ronald W.**, (CW3) (M89) 218 West Virginia Avenue, Temple, TX 76501-1721. Dy: (817) 287-6562. Res: (817) 773-7743. Dy: Aviator, US Army Reserve, 48th Cav, Fort Hood. Rtg: IP. RW Qual. Time: 2,000 Hrs.

**Greeling, Ronnie G.**, (CSM) (M86) P. O. Box 583, Brighton, IL 62012. Dy: (618) 256-2966. Res: (618) 372-3935. S: Verdie. Dy: 7/158th Avn Regt, Scott Air Force Base, Belleville.

**Greene, Joseph S.**, (WO1) (M89) 5417-B Lacesse Drive, Alexandria, LA 71301. Dy: (518) 640-6998. Res: (518) 443-3215. Dy: Pl Ldr, C Co, 1-244 Avn. Rtg: AA. Time: 400 Hrs.

**Greene, Thomas J.**, (2LT) (M91) (Tom) 724 W. 1720 N., Apt. 205, Provo, UT 84604-3462. Dy: 1

Bn, 211th Avn (ATK), West Jordan, UT. Rtg: AA. RW Qual. Time: 210 Hrs.

**Greenlee, George T.**, (MAJ) (M81) 1204 Glenwood Rd, Vestal, NY 13850-3243. Dy: (607) 772-0000. Res: (607) 757-0970. S: Encarnita. Dy: Agent, Nationwide Insurance, CGSSC Instructor, Schenectady, NY. Rtg: SAA IP. RW Qual. FW Qual. Time: 1,600 Hrs.

**Greenwood, Roger H.**, (COL(P)) (M72) (Roger) N2806 Richard Street, Loud, VA 53555. Dy: (606) 241-6313. Res: (808) 582-3483. S: Heidi. Dy: Dep. by State Area Command Control, Rgt: MAA IP. RW Qual. FW Qual. Time: 5,700 Hrs./Cdt 1,072 DFC1, AM/31.

**Grimsley, Alan W.**, (1LT) (M90) 1723 Mary Beth Court, Middleburg, FL 32068. Dy: (904) 276-5616. Res: (904) 276-5616. S: Melissa. Dy: Pl Ldr, 11th ATC, Ft. (Fwg). Rtg: AA. Time: 900 Hrs.

**Grigan, Kenneth J.**, (MAJ) (M79) 6554 Schoolhouse Drive, Huber Heights, OH 45424-1102. Dy: (603) 594-3938. Res: (513) 667-5846. S: Ruth. Dy: Pilot, Northwest Airlines. Rtg: SAA. RW Qual. FW Qual. Time: 6,000 Hrs.

**Gulla, Mario A.**, (SPC) (M82) 10333 Jolynn Court, Jacksonville, FL 32225. Dy: (904) 641-8377. Res: (904) 641-7679. Dy: B Co., 1-111th Avn (Atr Hb).

**Gurley, Richard H.**, (1LT) (M88) (Rich) Route 1, Box 1369, Bowersville, GA 30516. Dy: (912) 352-5887. Res: (912) 927-6340. Dy: Avn Maintenance Co., Executive Off. C Co, 324 Avn, Hunter AAF, GA. Rtg: AA. RW Qual. FW Qual. Time: 291 Hrs./Cdt 4 AM/1.

## HHHHHHHHHH

**Hackney, Malcolm L.**, (CW4) (M90) (Max) 1720 Coventry Place, Decatur, GA 30030-1005. Dy: (404) 421-5289. Res: (404) 373-7547. S: Liz. Dy: 148th Medical Co. (AA), Dobbins AFB, GA. Rtg: MAA TP MTP. RW Qual. Time: 4,000 Hrs./Cdt 760 DFC1 OLC3, AM/32.

**Hagaman, Perry L.**, (CPT) (M90) 2211 Brentford Rd. W., Jacksonville, FL 32225. Dy: (904) 641-8144. Res: (904) 646-1958. S: Susan. Dy: Aircraft Pilot Supervisor, FLARNG. Rtg: MTP. RW Qual. FW Qual. Time: 2,300 Hrs.

**Hager, Jeffrey E.**, (CPT) (M88) (Jeff) 18 Normandy Drive, Fort Bragg, NC 28307. Dy: (919) 432-7755. S: Andrea. Dy: Assistant S-3. RW Qual. Time: 460 Hrs./Cdt 35 Life Member.

**Halovecky, Jonathan P.**, (COL) (M84) 115 Josephine Street, Minersville, PA 17954. Dy: (717) 544-7203. Res: (717) 544-8252. S: Mary Ann. Dy: State Srvp. Rtg: AA. Time: 900 Hrs.

**Hamer, Faye S.**, (CPT) (M83) 903 Astronaut Drive, San Antonio, TX 78217. Dy: (512) 661-2111. Res: (512) 650-3730. S: Steve. Dy: Cdr, D Co, 149th Avn, 48th AD, TXARNG. Rtg: SAA. RW Qual. Time: 1,500 Hrs. Past Vp, Schwabach Hill Chapter.

**Hancock, Geary W.**, (COL) (M84) 305 Natheez Road, Enterprise, AL 36330. Res: (205) 347-1727. S: Joyce. Dy: IRR, St. Louis, MO. Rtg: AA. RW Qual. FW Qual. Time: 5,020 Hrs./Cdt 636 DFC1, AM/29. Past Vp, Colonial Virginia Chapter.

**Hansen, Mark S.**, (CW4) (M80) 27023 47th Avenue South, Apt. 108, Kent, WA 98032-7187. Dy: (206) 448-3663. Dy: Mgr. Act. Svcs, King Broadcasting Co. RW Qual. FW Qual. Time: 11,500 Hrs./Cdt 1,000 DFC1, AM/29.

**Hara, Gary M.**, (LTC) (M84) 94-366 Hokusai St., Millani Town, HI 96789. Dy: (808) 656-2712. Res: (808) 822-8558. S: Dianne. Dy: S-3 H-3's Trip Cmd, Pearl City, HI. Rtg: SAA SP. RW Qual. Time: 3,100.



## Aviation Reserve Components

**Harkin, John P., (1LT) (M91)** 1468 Summit Boulevard, Broadview Heights, OH 44147. Dy: (216) 494-3191. S: Victoria. Dy: O Troop, 4107th ACR, Alcon-Canton Airport, Greensburg, OH. RW Qual. Time: 300 Hrs.

**Harmon, Edward L., (SFC) (M91)** (Ed) 470 Donna Drive, Jonestown, PA 17038. Dy: (717) 865-8655. Res: (717) 865-3893. S: Kathy. Dy: Medical Branch Sergeant, Eastern AATS.

**Harris, John M., (CW4) (M71)** 4592 Lanwin Avenue, Cypress, CA 90630-3509. Dy: (310) 493-8444. Res: (714) 229-8447. Dy: AH-1 P, C Troop, 118th Cav, CAARNG, Los Alamitos AAF. Rpt: MAA SIF. RW Qual. Time: 6,900 Hrs./Cdt 337 AM/5. Past Vp, Southern California Chapter.

**Harrison, Robert W., (MAJ) (M91)** (Bob) 7 Windsor Drive, The Woodlands, TX 77381. Dy: (201) 961-1818. Res: (713) 363-4562. S: Becky. RW Qual. FW Qual. Time: 6,500 Hrs.

**Harris, Stephen M., (LTC) (M77)** 105 Nottingham Court, Enterprise, AL 36330. Dy: (205) 255-6066. Res: (205) 347-2090. S: Amalie. Dy: Ft Inst Staff Soc, for Dr of Stand & Eval, Ft Rucker. Rpt: MAA IP IFE. Time: 4,400 Hrs./Cdt 600 AM/14.

**Harrison, William T., (COL) (M84)** (Bill) 10099 Adare Drive, Fairfax, VA 22032. Dy: (703) 274-9663. Res: (703) 239-9648. S: Carol. Dy: Sr. Army National Guard Aviator, HQ AMC, Alexandria, VA. Rpt: MAA IFE IP MTP. RW Qual. FW Qual. Time: 4,000 Hrs.

**Harsh, Timothy J., (MSG) (M89)** (Skip) 34 Dallas Drive, Granville, IA 57026. Dy: (717) 865-9797. Res: (717) 869-2769. S: Michelle. Dy: Aerosout Observer, Eastern ARNG Avn Trng Sqn, (AGR).

**Hart, Larry A., (MAJ) (M82)** (Larry) Wright Brothers Sr. Vp, 85 Winthrop Road, Columbus, OH 43214-3630. Dy: (614) 492-3443. Res: (614) 262-8461. S: Mary Helen. Dy: Maint. Off., 1-137th Aviation Bn (AVIM), Rpt: SAA. RW Qual. Time: 1,000 Hrs. Past Vp, Schwaebich Hill Chapter.

**Harwell, Raymond B., (WO1) (M89)** P.O. Box 153, Heron, GA 96113. Dy: (702) 972-2710. Res: (916) 827-2261. Rpt: AA. RW Qual.

**Haug-Bernatz, Beverly M., (CW3) (M83)** (Ms Peggy) 1867 Valley View Avenue, Norco, CA 91760-2528. Dy: (619) 386-5566. Res: (714) 736-7466. S: John. Dy: Lead Pilot, Aspen Helicopters. Rpt: AA. RW Qual. Time: 2,800 Hrs. Past Vp, Washington DC Chapter.

**Hayes, Percy B., (CW3) (M91)** 6626 RFD, Long Grove, IL 60047. Dy: (312) 701-3178. Res: (708) 949-1957. S: Beverly. Dy: Controller/Evaluator-65th Div, Mac.

**Hays, William D., (SSG) (M89)** 1401-O South First Street, Jacksonville Beach, FL 32250. Res: (904) 249-7943. Dy: UH-1 Helpt Crewchief, USAR Con. Gp. (Relief).

**Healey, John C., (CW3) (M86)** Minuteman Chapter Sr. Vp, 2 Sequoia Drive, Holyoke, MA 01040. Dy: (413) 744-2878. Res: (413) 536-8000. S: Helen. Dy: HQ STAPC, MAARNG. Rpt: IFE SIP. RW Qual. FW Qual. Time: 4,150 Hrs.

**Heckel, Richard P., (WO1) (M91)** (Rick) 1817-104th Street, Lot 65, Kenosha, WI 53143. Dy: (414) 944-1376. Res: (414) 894-8986. S: Lisa. Dy: B Co, 3158th Avn Regt, Waukesha, WI. Rpt: AA. RW Qual. Time: 300 Hrs.

**Helmer, Joel L., (WO1) (M91)** 426 Hedgewood Drive, Gallopole, OH 46631. Res: (614) 448-0684. Dy: Student. RW Qual. Time: 265 Hrs.

**Heng, Lynn M., (2LT) (M91)** 1505 1st Avenue, Nebraska City, NE 68410. Dy: (402) 274-4035. Res: (402) 873-3546. S: Sharon. Dy: C Troop, 1-167 Cav., Lincoln, NE. RW Qual. Time: 300 Hrs.

**Hengeveld, Cecil B., (LTC) (M81)** 16 Ardmore Drive, Hummelstown, PA 17036. Dy: (717) 865-8924. Res: (717) 566-8941. S: Peggy. Dy: AASF-FTG/PAPRNG. Rpt: MAA IP IFE. RW Qual. FW Qual. Time: 6,175 Hrs./Cdt 960 AM/28.

**Hepner, Edward O., (SGT) (M90)** (Ed) 1190 Travis Drive, Watkinsville, GA 30677. Dy: (706) 867-6214. Res: (706) 789-0439. S: Janice. Dy: WG-10 Aircraft Tech., AASF #1.

**Herd, Mark E., (CW2) (M88)** 1443 East Sunnyslope Lane, Phoenix, AZ 85020. Dy: (604) 258-6048. S: Valerie. Rpt: MTP. RW Qual. Time: 750 Hrs. Life Member.

**Hess, Gerald L., (CW4) (M82)** (Jerry) 2440 East Bayberry Drive, Harrisburg, PA 17112. Dy: (717) 865-8882. Res: (717) 657-3595. S: Sheryl. Dy: EAATS, FTG, ASD. Rpt: MAA SIP IFE. RW Qual. Time: 4,450 Hrs./Cdt 400 DFC/1, AM/16.

**Heuer, Craig A., (CW3) (M90)** 1007 W. Capitol Ave., Bismarck, ND 58501. Dy: (701) 224-5278. Res: (701) 222-1281. S: Angela. Dy: C-12 Pilot, HQ STAPC, Bismarck, ND. Rpt: IP. RW Qual. FW Qual. Time: 4,500 Hrs.

**Hickey, William L., (CSM) (M92)** (Bill) 13 North Pearson Drive, Warwick, RI 02888-2908. Dy: (401) 941-5113. Res: (401) 785-1772. S: Jacqueline. Dy: HQ, 1126th Avn Bn, Quorsst Point, N. Kingstown, RI.

**Hicks, Donald W., (CW2) (M90)** 3920 Merrifields Blvd., Portsmouth, VA 23703. Dy: (804) 393-8961. Res: (804) 483-8337. S: Coleen. Dy: Police Helicopter/Squad, Portsmouth Police Dept. Rpt: AA. RW Qual. Time: 4,200 Hrs.

**Hicks, Joseph S., (SFC) (M73)** (Joe) 13135 Backhawk Trail S., Jacksonville, FL 32225-2725. Dy: (904) 641-8144. Res: (904) 221-6973. S: Betty. Dy: Aircraft Technical Inspector, AASF 1, FLARNG.

**Higgins, Michael R., (CPT) (M90)** (Mike) 9031 Fairway Drive, Montclair, VA 22026. Dy: (703) 805-7000. Res: (703) 590-2177. S: Pamela. Dy: Asst S-3, 1132 Avn Bn (DCARNG), Fort Belvoir, VA. Rpt: SAA IP. RW Qual. Time: 1,900 Hrs.

**Hill, Chris W., (WO1) (M91)** 11925 217th St. E., Graham, WA 98338. Res: (206) 847-6550. Dy: O1-166th Aik. Hst. Bn. WAWG. RW Qual. Time: 750 Hrs.

**Hillwig, Michael C., (CW3) (M90)** (Sk Butts) P.O. Box 422, West Jordan, UT 84084. Dy: (801) 524-3890. Res: (801) 963-1446. S: Rebecca. Dy: 1-211 Bn, AH-64 P, Utah NG. Rpt: SAA IP. RW Qual. Time: 2,300 Hrs.

**Hippo, Gary W., (CPT) (M89)** 15534 Zabolo Drive, Apt. 242, Houston, TX 77596. Dy: (713) 959-2705. Res: (713) 486-5851. Dy: Company Cdr, A Co, 1-149th Avn Regt, Ellington Field, Houston, TX. Rpt: AA. RW Qual. Time: 800 Hrs.

**Hobby, Jesse M., (CPT) (M85)** (Jess) 450 S. Peachtree Parkway, Apt. K-300, Peachtree City, GA 30269. Dy: (404) 421-5922. Res: (404) 631-1968. Dy: Ft Ft Ldr, A Co, 151st MI Bn, Dobbins AFB, GA. Rpt: SAA. RW Qual. FW Qual. Time: 3,445 Hrs.

**Hogan, Donald D., (MAJ) (M91)** P.O. Box 572, South Hill Road, Long Lake, NY 12847. Dy: (518) 624-3941. Res: (518) 624-2282. S: Frances. Dy: SA, 1st Bn, 142 Avn, AASF #3, Latham, NY, Formen NG Unit. RW Qual. Time: 3,000 Hrs.

**Holden, David E., (MSG) (M90)** RD 1, Box 2106, Higgins, PA 17938-9766. Dy: (717) 865-8929. Res: (717) 862-8236. S: Robin. Dy: Avn Opns Sgt, EAATS.

**Holden, James D., (COL) (M85)** (Jim) 9203 Avalon Drive, Richmond, VA 23229. Dy: (804) 222-4580. S: Betty. Dy: State Army Aviator Officer, Richmond, VA. Rpt: MAA IFE SIP. Time: 7,000 Hrs./Cdt 1,042 DFC/1, AM/43.

**Holland, John C., (MAJ) (M87)** 1419 Blackhawk Trail, east, Jacksonville, FL 32225. Dy: (904) 641-6003. S: Betty. Dy: Commander, 1st Bn, 111th Avn. Regt., Rpt: MAA IFE SIP. RW Qual. Time: 8,300 Hrs.

**Hollenbeck, Thomas N., (CW2) (M90)** (Tom) 1871 Lakeside Drive, Salt Lake City, UT 84117. Dy: (801) 524-3715. Res: (801) 272-6007. S: Coleen. Dy: Supervisory Maintenance Test Pilot, 1/211 Avn-AASF.

**Hopper, James M., (CW2) (M88)** (Jim) 150 Clairmont Road, Salisbury, NC 28144. Dy: (704) 637-0471. Res: (704) 634-4788. S: Linda. Dy: Quality Control, NCAARNG, Rowan County Airport. Time: 1,408 Hrs.

**Houtman, Patrick J., (2LT) (M91)** 1100 N. Over Hill Court, Wilmington, DE 19810-5000. Dy: (302) 324-7365. Res: (302) 475-8634. Dy: Patson Leader DEARNG. Rpt: AA. RW Qual. FW Qual. Time: 400.

**Howey, Melvin A., (MAJ) (M85)** (Mel) P.O. Box 80679, Phoenix, AZ 85060-0679. Dy: (602) 381-3296. Res: (602) 946-2281. S: Linda. Dy: Staff Attorney, 466th Civil Afs, Brown Arrow, OK. RW Qual. Time: 100 Hrs.

**Hoyt, John A., (LTC) (M91)** 245 SW 196th Place, Seattle, WA 98166. Dy: (206) 769-0210. Res: (206) 844-6242. S: Elisabeth. Dy: 6th Avn Bn 159th Regt, Everett, WA. Rpt: AA. RW Qual. Time: 1,000 Hrs.

**Hughes, Kevin R., (SSG) (M82)** 358 Bitter Street, Chocoma, PA 01020. Dy: (413) 557-3254. Res: (413) 535-2974. Dy: C Troop, 1/110th Air Cav, Westover AFB, MA.

**Hull, Peter G., (CW3) (M86)** (Pete) 3850 Aladdin Terrace, No. 2, Jacksonville, FL 32223-2122. Res: (904) 393-2139. Res: (904) 260-1796. S: Laina. Dy: EMS Helpt Pilot, Rocky Mtn. Helicopters, Jacksonville, FL. Rpt: IP. RW Qual. Time: 8,280 Hrs./Cdt 1,801 DFC/3, AM/42.

**Hunt, Michael J., (CW2) (M80)** P.O. Box 3142, NAS Glenview, IL 60026. Dy: (708) 657-2281. Res: (708) 724-4714. S: Donna. Dy: Aviation Safety Officer, 3501st Avn Regt, NAS Glenview, IL. RW Qual. RW Qual. Time: 625 Hrs.

**Hunt, Terry C., (CW4) (M91)** 54244 Faye Drive, Ocoosa, IN 46661-9434. Dy: (219) 657-2727. Res: (219) 674-5703. S: Karen. Dy: C Co, 3158th Avn Regt, NAS Glenview, IL. Rpt: IP MTP. RW Qual. Time: 4,000 Hrs./Cdt 1,000

**Hyde, Jack K., (CW3) (M89)** P.O. Box 62422, San Angelo, TX 76906. Dy: (915) 942-6840. Res: (915) 944-2130. S: Janice. Dy: US Customs Pilot, San Angelo, TX. Rpt: AA. RW Qual. FW Qual. Time: 6,500 Hrs.

**Hyland, Robert A., (1LT) (M88)** 3145 Charing Cross Drive, Wilmington, DE 19808. Dy: (302) 324-7419. Res: (302) 254-1037. S: Beth Anne. Dy: Patson Ldr, E Co, 150th Avn, New Castle, Rpt: AA. RW Qual. Time: 500 Hrs.

**Ide, Phillip E., (MAJ) (M92)** 165 Browncroft Boulevard, Rochester, NY 14609. Dy: (716) 263-5880. Res: (716) 288-9171. S: Christine. Dy:



Principal Cons Inspector, FAA. Rtg: IFE SIP IP. RW Qual. RW Qual. Time: 8,500 Hrs./Cdt 1,000 DFC2, AM/56.

**Ingleton, Joseph L.**, (CPT) (M88) P.O. Box 3202, Conroe, TX 77305. Dy: (409) 539-4311. Res: (409) 788-8230. Dy: Ft. Operations Officer, 7th Sqdn., 6th Cav. Regt.. RW Qual. Time: 500 Hrs.

**Ingle, Stephen J.**, (CWS) (M76) (J.P.) 1711 Carol Lee Lane, Conroe, TX 77301. Dy: (409) 539-4151. Res: (409) 539-2788. S: Jaana. Dy: AH-1S/4H-64A IP, 76th Cav (Asst Hqdr). Rtg: SIP. RW Qual. RW Qual. Time: 2,000 Hrs. Past Sec, Armadillo Chapter.

**Intini, Frank P. Jr.**, (COL) (M90) (Frank) AASF #1, Hangar A, 11 MacArthur Blvd, Ronkonkoma, NY 11779. Dy: (516) 588-2277. Res: (516) 698-5293. S: B.J. Dy: Actl Pilot Supr Avn Bde Cdr, Army Avn Spt Facility #1, NYARNG. Rtg: MAA. RW Qual. Time: 5,500 Hrs.

**Ivers, Edward C.**, (CW3) (M92) (Ed) 4 Wellford Road, Forestale, MA 02644. Dy: (508) 968-8856. Res: (508) 477-8218. S: Nicole. Dy: Ft Instructor, AASF 1, Ots, ANGB, MA. Rtg: SAA IFE SIP. RW Qual. RW Qual. Time: 3,000 Hrs.

**Ives, John B.**, (CW3) (M91) 13 Cedar Lane, Scotia, NY 12302. Dy: (505) 645-3397. Res: (516) 399-9553. S: Cathy. Dy: Airline Captain DC-9, Atlantic City International Airport. RW Qual. Time: 12,000.

**Jackovick, Michael**, (CSM) (M91) 5049 N. Mozart Street, Chicago, IL 60625. Dy: (708) 667-2123. Res: (312) 989-4312. S: Sheila.

**Jackson, John C.**, (WO1) (M91) (Chris) 3762 NE 166th Street, North Miami Beach, FL 33163-3874. Dy: (305) 963-0413. Res: (305) 956-9943. Dy: Airline Pilot-American Airlines. RW Qual. Time: 4,400

**Jackson, Stephen R.**, (LTC) (M86) (Stick) 3585 East Bengal Blvd, Salt Lake City, UT 84121. Dy: (801) 524-3708. S: Shauna. Dy: XO, 211th Avn Gp (Altack Hel), West Jordan, UT. Rtg: MAA SIP IP. RW Qual. RW Qual. Time: 7,600 Hrs./Cdt 1,600 AM/56.

**Jacoby, Thomas G.**, (COL) (M81) (Tom) P.O. Box 612, Valley Rd, Mount Gretna, PA 17064-0612. Dy: (717) 865-8825. S: Rosemarie. Dy: St Army Avn Ofc, PAARNG. Rtg: MAA IFE IP. RW Qual. RW Qual. Time: 5,700 Hrs./Cdt 1,069

**James, Richard B.**, (CW2) (M88) (Rick) 108 Foxwood Road, Conocochee, PA 15106-2418. Dy: (412) 472-4303. Res: (412) 262-7931. S: Volk. Dy: 8 Co, 1-130th Avn Bn, Morristown, PA. Rtg: AA. RW Qual. Time: 500 Hrs.

**Jennings, Philip W.**, (CW2) (M89) (Phil) 2121 University Avenue, Apt. 5, Madison, WI 53705. Dy: (414) 544-1150. Res: (608) 231-2926. Dy: Student, Univ. of WI Law School. Rtg: AA. RW Qual. RW Qual. Time: 800 Hrs.

**Jimenez, Alberto J.**, (LTC) (M83) 1209 Mystic Court, Churchville, MD 21028. Dy: (410) 671-1745. S: Maria T. Dy: 1224th Avn Regt, MDARNG, Edgewood, MD. Rtg: MAA TP. RW Qual. RW Qual. Time: 3,700 Hrs./Cdt 590 AM/1.

**Johnson, David W.**, (CW2) (M89) (Glade) 29M/332 Anderson Road, Naperville, IL 60564-5725. Dy: (708) 657-2118. Dy: Aviator. C Co, 3/158th Avn Regt.

**Johnson, Philip G.**, (MAJ) (M73) 8305 N. 125th St. E. Ave., Owasso, OK 74055. Res: (918) 286-6334. S: Pam. Dy: USAR Control Group, St. Louis, MO. Rtg: SAA TP. Time: 3,000 Hrs. Charter Life Member.

**Johnson, Thomas M.**, (CW4) (M86) (T.J.) 85-A Greenleaf Road, Huntington, NY 11743. Dy: (516) 588-5321. Res: (516) 549-2306. S: Virginia. Dy: Corporate Pilot. Rtg: MAA IFE IP. RW Qual. RW Qual. Time: 10,000 Hrs./Cdt 914 AM/23.

## K Aviation Reserve Components

**Jones, Larry M.**, (LTC) (M70) 3703 Roxbury Lane, Alexandria, VA 22309. Dy: (202) 307-8843. Res: (703) 799-7452. S: Faye. Dy: Liaison Ofc, Drug Enforcement Administration, Washington, DC. Rtg: SAA. RW Qual. RW Qual. Time: 1,700 Hrs./Cdt 322 AM/7.

**Jones, Theodore C.**, (WO1) (M91) 1202 3908 Jeffery Road, Huntington Valley, PA 19068. Res: (215) 947-4753. Dy: Scout Pilot, C Trp, 1-104th Cav (AIR), 28th Avn Bde, 28th ID, PAARNG. RW Qual. Time: 300 Hrs.

**Jordan, Louis H.**, (CPT) (M91) (Lou) 204 E. Ellington Avenue, Garden City, NY 11530. Dy: (516) 447-5823. Res: (516) 794-2663. S: Karen. Dy: HQ Avn. Bde, 42nd Infantry Division. RW Qual. Time: 800 Hrs.

**Joyce, Stephen E.**, (CPT) (M86) (Juice) 300 Green Street, Oakville, AL 36302. Dy: (907) 866-6190. Dy: UH-60 PPL Ldr, C Co, 122nd Rpt. AA IP MTP. RW Qual. Time: 1,500 Hrs. Life Member.

**Juarbe, Richard**, (SGT) (M88) 128 N. Franklin Street, Lancaster, PA 17602. Dy: (717) 865-8780. Res: (717) 397-8929. S: Bernice. Dy: Ft Ops Sgt, Eastern Avn Army Tng Site.

**Julian, Mark D.**, (CPT) (M81) 946 Nims, Wichita, KS 67203-3334. Res: (316) 265-3645. Dy: IRR, APPERCEN, St. Louis, MO. Rtg: AA. RW Qual. Time: 824 Hrs.

## KKKKKKKKKK

**\*Kalogris, Peter R.**, (CW4) (M87) (Pete) 701 Summer Terrace, Dothan, AL 36303. Dy: (206) 256-3917. Res: (206) 794-0152. S: Sharon. Dy: Ft. Training Systems Manager, Fort Rucker, AL. Rtg: IFE SIP IP MTP. RW Qual. Time: 6,200 Hrs./Cdt 1,254 AM/19 STAR.

**Kamimura, Dennis A.**, (LTC) (M81) 836 16th Avenue, Honolulu, HI 96816. Dy: (808) 737-6821. Res: (808) 732-7547. S: Diane. Dy: HD 1st Bn 487th FA, Bn Cdr, Fort Rucker. Rtg: MAA IP. RW Qual. Time: 4,000 Hrs./Cdt 400 AM/15. Life Member.

**Kanas, Thomas**, (CW3) (M82) 271 Peconic Street, Ronkonkoma, NY 11779. Dy: (516) 588-2552. Res: (516) 737-0474. S: Gail. Dy: B2-142 Avn, NYARNG, Ronkonkoma, NY. RW Qual. Time: 7,000 Hrs.

**Karas, Andrew P.**, (LTC) (M86) (Andy) 244 Plantation Circle, Riverside, GA 30296. Dy: (404) 669-6046. Res: (404) 994-9932. S: Barbara. Dy: Avn Df, FORSCOM (FCJG-OV), Fort McPherson, GA. RW Qual. Time: 2,100 Hrs./Cdt 500 AM/14.

**Karn, Bruce R.**, (CW4) (M91) HCR 1, Box 98-C, Central Bridge, NY 12035-9706. Dy: (518) 896-4389. Res: (518) 868-2507. S: Patricia. Dy: NYARNG. Rtg: SIP. RW Qual. Time: 5,500 Hrs./Cdt 1,992 DFC2, AM/86.

**Kasprzyk, Daniel S.**, (CW4) (M71) (Staszky) 2256 E. Ingwood Street, Mesa, AZ 85213-3428. Dy: (602) 891-3405. Res: (602) 964-3690. Dy: Manufacturing Engineer, McDonnell Douglas Helicopter Co. Rtg: MAA. RW Qual. Time: 2,838 Hrs.

**Kee, Edward M.**, (SSG) (M91) (Mike) 2465 Bishop Estates Road, Jacksonville, FL 32259. Dy: (904) 641-8378. Res: (904) 287-3323. S: Darla. Dy: 19th Md Co (AA), Crew Chief, Craig Field, Jacksonville, FL.

**Keith, Douglas R.**, (CPT) (M90) (Dougie) 6009 West 34th, Little Rock, AR 72204. Dy: (501) 758-9663. Res: (501) 582-5656. S: Barbara. Dy: Cmdr, AV-114 AHB, AFARNG. RW Qual. Time: 1,250 Hrs.

**Kellner, J. Phillip**, (WO1) (M90) Route 1, Box 156, Lapine, AL 36046. Dy: (205) 284-0250. Res: (205) 288-2952. Dy: Utility Hqdr Pilot, O Co, 1/131 Avn Bn, ALARNG. RW Qual. Time: 850 Hrs.

**Kellis, Ronald J.**, (CPT) (M80) 360 A Cedar Street, Fort Devens, MA 01433. Dy: (508) 796-2991. Res: (508) 772-2565. S: Mary H. Dy: S-4 Logistics Ofc, 4th Bn, 158th Avn Regt.. Rtg: MTP. RW Qual. Time: 600 Hrs.

**Kelly, Clarence S.**, (MAJ) (M83) 227 Cloverdale Street, Pearl, MS 39208. Dy: (601) 973-6126. Res: (601) 939-9256. Dy: S4, 185th Avn Bn, Jackson, MS. Rtg: SAA TP. RW Qual. Time: 1,900 Hrs.

**Kelly, Timothy C.**, (MAJ) (M91) (Tim) 17 S.E. Kirk Avenue, Pendleton, OR 97801-4520. Dy: (503) 276-4544. Res: (503) 276-4853. S: Janet. Dy: Facility Commander, Army Aviation Flight Activity, ORNG. Rtg: IFE SIP. RW Qual. Time: 8,100 Hrs./Cdt 1,400 AM/31.

**Kennedy, Gregory L.**, (CPT) (M82) (Gregg) 5056 Haring Place, Jackson, MS 39211. Dy: (601) 354-6058. Res: (601) 956-2960. S: Ginny. Dy: A Co, 1/155th Avn Bn, Hawkins Field, Jackson, MS. RW Qual. RW Qual. Time: 1,900 Hrs.

**Kessler, James S.**, (COL) (M88) (Office/Adjutant General, 7700 NW Beaver Drive, Johnston, IA 50131-1902. Dy: (515) 242-5376. Res: (515) 225-7707. Dy: Director of Army Aviation, IAARNG.

**\*Kilchens, Milozed P.**, (MAJ) (M91) 112 East 63rd, Chicago, IL 60619. Dy: (206) 586-6702. Res: (312) 673-3663. S: Sheolar. Dy: Flight Surgeon Lyster US Army Hospital, Fort Rucker, AL.

**\*Kittler, Kurt R.**, (WO1) (M81) 1211 Ashover Drive, Bloomfield Hills, MI 48304-1105. Dy: (313) 466-5152. Res: (313) 852-9677. S: Nancy. Dy: A Co, 3-158th Avn, selfridge ANGB. RW Qual. Time: 225 Hrs.

**Keys, Thomas W.**, (CW2) (M85) (Tom) 1815 Longwood Drive, Raleigh, NC 27612. Dy: (919) 664-7530. Res: (919) 849-6085. S: Anne. Dy: C-E Maintenance Tech, E Co, 130th Avn, Raleigh, NC.

**King, James M.**, (CW3) (M90) (Jim) Route 2, Box 1225, High Springs, FL 32643. Dy: (904) 462-2257. Res: (904) 454-7600. S: Janice. Dy: 199th Md Co, Jacksonville, FL. RW Qual. Time: 2,500 Hrs./Cdt 1,295 DFC2, AM/2.

**Kline, John A.**, (CSM) (M87) RD 2, Box 3552, Granville, PA 17028. Dy: (717) 865-8252. Res: (717) 469-7469. S: Connie. Dy: CSM, Avn Bde, 28th, Fort Irwin/Dartmouth Gap, PA.

**Knapp, Karl A.**, (CW4) (M71) 9111 N. Crane Hawk Place, Tucson, AZ 85741. Dy: (602) 624-9188. Res: (602) 744-1800. S: Diane. Dy: OES SP Attack Hqdr, WHATS, Marana, AZ. Rtg: MAA SIP. RW Qual. Time: 4,000 Hrs.

**Knight, Walker L.**, (LTC) (M84) 1773 Schoettler Valley Dr, Chesterfield, MO 63017-5302. Dy: (314) 265-1237. Res: (314) 637-9282. S: Jo Ann. Dy: ARNG Advisor, ATDOM, Directorate Field Operations. Rtg: IP. RW Qual.

**Knudson, Andrew C.**, (LTC) (M91) (Zeike) 112 Anacortes Court Ne, Clinton, WA 98058. Dy: (206) 228-8333. Res: (206) 271-8638. Dy: A6, Platoon Leader, A Co, 1/168th ABnB, Fort Lewis, WA. RW Qual. Time: 230 Hrs.

**Konradly, Joel V.**, (LTC) (M91) 4411 Royal Oaks Drive, Davenport, IA 52806. Dy: (319) 391-8344. Res: (319) 386-2481. S: Karen. Dy: B Co, 2/147th Avn Bn, Davenport, IA. RW Qual. Time: 180 Hrs.

**Koontz, Wade D., (1LT) (M87) 13670 S.E. 108th Ct. Rd., Oklawaha, FL 32179. Dy: (305) 491-5999. S: Susan. Dy: FLRANG, AH-64A Pil Ldr. Rtg: AA. RW Qual. FW Qual. Time: 1,800 Hrs.**

**Korsky, Robert A., (CW2) (M89) 5832 S. Sacramento Ave., Chicago, IL 60629-2229. Dy: (309) 671-3251. Res: (312) 776-3261. Dy: UH-1 Helicopter Pilot. A Co, 17100th Avn, Peoria, IL. Rtg: AA. RW Qual. Time: 800 Hrs.**

**Krejci, Michael F., (LTJG) (M86) PSC 303, Box 27, EAIC-EO, AP 96204-0027. S: Linda. Dy: Opty EUSA Avn Officer.**

**Kress, Paul, (CPT) (M84) (Paul) 3 Bear Knoll Drive, Asheville, NC 28805. Res: (704) 299-3327. S: Kathy. Dy: E Co, 1300th Aviation, Salisbury, NC. RW Qual. Time: 1,000 Hrs.**

**Kuhn, Gilbert W., (SSG) (M79) 222 Bentwood Lane, St. Peters, MO 63376. Dy: (314) 751-9881. Res: (314) 441-3355. S: Charlotte. Dy: UH-1A Tech Inspector, 456th Avn Det (OCCAT), MDIARF.**

**Kuhn, Herman J., (LTJG) (M92) (Jim) Niagara Falls ARNG Sr VP, 378 Danworth Road, Youngstown, NY 14174. Dy: (716) 298-1420. Res: (716) 745-3298. Dy: Avn Spf Cdr, NYARNG. Rtg: MAA. SP. RW Qual. FW Qual. Time: 8,550.**

**Kyle, Allen R., (CWS) (M82) 1075 Third Street, Box 87, Perry Point, MD 21902. Dy: (410) 642-2411. Res: (410) 642-0085. S: Lydia. Dy: Aeromedical Physician Asst. Time: 21 Hrs. AM/1.**



**Laborie, Joseph G., (COL) (M85) (Joe) 45 Woodland Avenue, Smithfield, RI 02917. Dy: (401) 267-3000. Res: (401) 231-8487. S: Ann. Dy: Ft. Rucker Support, FLRANG, Kingstown. Rtg: AA. IFE SIF MAA. Time: 8,000 Hrs./Cdt 950 AW/22.**

**Lamb, Todd A., (2LT) (M82) 212 Richmond Avenue, Enterprise, AL 36330. Res: (205) 369-0375. S: Kim.**

**Lamm, Mark D., (SFO) (M91) (Mad Dog) 115 San Fernando Blvd., Swainson, GA 31419-1105. Dy: (912) 352-5778. Res: (912) 925-4302. S: Dixie. Dy: Component Repair Supv., G Co, 244th Avn Regt, Hunter AAF.**

**Lamont, Thomas R., (WO1) (M91) (Boston) 66 East Central Street, Natick, MA 01760-4621. Dy: (508) 551-5776. Res: (508) 653-2294. Dy: USPFO For Mass. France. Rtg: AA. RW Qual. Time: 300 Hrs.**

**Lamorese, Antonio G., (CPT) (M90) (Tony) 218 East Wheeler Avenue, Garden City, NY 11530. Dy: (516) 447-5922. Res: (516) 794-6084. S: Nancy. Dy: Asst S-4, HQ & HHC, Avn Bde, 42nd Id, NYARNG. Rtg: MTP. RW Qual. Time: 900 Hrs.**

**Lansry, Howard J., (WOC) (M82) (Howie) CMR 2, Box 8-12686, Fort Rucker, AL 36332. Dy: (205) 255-4006. Res: (508) 655-5776. Dy: Flight School, Fort Rucker, AL. Time: 30 Hrs.**

**Landstrom, Robert E., (MAJ) (M88) 8639 Noble Lark, Boerne, TX 78006. Dy: (512) 661-3631. Res: (512) 666-2759. S: Carolyn. Dy: Col, San Antonio Avn Support Facility, TXARNG. Rtg: IP MTP. RW Qual. FW Qual. Time: 5,110 Hrs./Cdt 671 AW/17.**

**LaPlante, Claude D., (1LT) (M91) P.O. Box 131, Mt. Carbon, WV 25139. Res: (304) 442-4554.**

**Larsen, Richard A., (WO1) (M91) (Dick) 1734 Pinto Place, Bismarck, ND 58501. Res: (701) 255-1063. Dy: Pilot, Flight Line Dept. Supervisor. RW Qual. Time: 400 Hrs.**

**Larson, Joseph G., (CW2) (M92) 51 Oceanshore Drive, Ormond Beach, FL 32175. Dy: (904) 441-8334. Res: (904) 441-8334. Dy: Student. RW Qual. FW Qual. Time: 1,200 Hrs.**

## M Aviation Reserve Components

**Lasser, Thomas E., (LTJG) (M87) (Tom) Los Alamitos AAF #1, AFRC Los Alamitos, Bldg 43, Los Alamitos, CA 90720-6000. Dy: (910) 795-2001. Res: (310) 318-5364. S: Laura. Dy: Co, 3-140th Avn, Stouckon, CA, CAARNG. Rtg: MAA. IP. RW Qual. Time: 6,060 Hrs./Cdt 1,215 DFC/1, AW/35. Past VP, Valley Forge MA & Jc.**

**Latham, Scott C., (WO1) (M82) (Kentuck) 18 Peterson Drive, Fort Rucker, AL 36362-5000. Dy: (202) 444-8228. Res: (205) 588-5494. S: Tracy. Dy: State Trooper, KY State Police, 8229th Ash Hill Bn, Fort Knox, KY. RW Qual. Time: 185 Hrs.**

**Lattimer, Lawrence G., (MAJ) (M91) (Larry) 58 Maryland Avenue, Freeport, NY 11520-2030. Dy: (516) 447-5822. Res: (516) 868-2339. S: Karen. Dy: S4 Avn Bde, 420 NYARNG, Patchogue, NY. Rtg: MAA MTP. RW Qual. Time: 4,000 Hrs.**

**Lavender, David A., (CPT) (M77) (Dave) 8822, 8543, 6th Armored Cav. Road, Fort Meade, MD 20755. Dy: (410) 677-5666. S: Grace. Dy: 31st Avn Bde, Fort Meade, MD. Rtg: MAA. IP. RW Qual. FW Qual. Time: 2,000 Hrs.**

**Lavigne, David E., (SSG) (M82) (Big Ben) 52-B Cedar Street, Ludlow, MA 01066. Dy: (413) 571-3242. Res: (413) 589-7380. S: Pamela. Dy: Act Mech Foreman, AASF 2, MAARNG.**

**Lavigne, Mark A., (SGT) (M82) 65 Meadow Street, Ludlow, MA 01066. Dy: (413) 557-3254. Res: (413) 583-2941. S: Patricia. Dy: MAARNG, STARFC, Act Crewchief, Westover AFB, Chicopee, MA.**

**Lee, Alan R., (SSG) (M82) (Al) 939 Prospect Avenue, Buffalo, NY 14213-2023. Dy: (716) 763-5365. Res: (716) 861-3160. S: Joyce. Dy: Readiness NCO, C Co, 2-142 Avn, NYARNG.**

**Lee, David H., (CW4) (M82) 562 South Deerfield Drive, Canton, MS 39046. Dy: (601) 354-7540. Res: (601) 856-2298. S: Debbie. Dy: Safety Officer, HHC 186th Avn Group, MSARNG, Jackson, MS. Rtg: MTP. IFE. SP. RW Qual. FW Qual. Time: 12,000 Hrs.**

**Lee, James M., (CW2) (M75) (Jim) 9653 Jefferson Highway, Apt. F23, Baton Rouge, LA 70809. Dy: (504) 388-2736. Res: (504) 291-6310. Dy: Research Assoc, Coastal Ecology Inst, Ctr for Wetland Resources LSU. Rtg: MAA. RW Qual. Time: 2,300 Hrs.**

**Lemens II, Joseph L., (CW2) (M91) (Joe) 349 Willow Road, Lombard, IL 60148. Dy: (708) 990-7981. Res: (708) 268-0752. S: Kathryn. Dy: UH Pilot/UPS Mgr, Greenville NAS, IL. RW Qual. FW Qual. Time: 800 Hrs.**

**Leinstrom, Neal C., (MAJ) (M91) 101 Westwood Avenue, Stony Brook, NY 11790. Dy: (516) 921-0800. Res: (516) 689-8717. S: Anne. Dy: S-3 Aviation Brigade, 420, NYARNG. IP. SAA. RW.**

**Levin, Victor A., (LTJG) (M87) (Vic) 8729 Sheridan Farms Court, Springfield, VA 22152-2216. Dy: (703) 746-7048. Res: (703) 451-7175. S: Deborah. Dy: Engineer, NGB-ADE, Arlington Hall Station. Rtg: MAA. TP. IP. RW Qual. FW Qual. Time: 3,500 Hrs./Cdt 1,845 DFC/1, AM/12.**

**Lewis, Edward L., (CW3) (M86) (Ed) 676 N. State Road 101, Milan, IN 47031. Res: (812) 654-3830. S: Darlene. Dy: Pilot, Det 1, CoC 2228th AHB, Shelbyville. RW Qual. Time: 1,500 Hrs.**

**Libby, Gregory K., (CW4) (M88) (Greg) 1414 East Lake Drive, Weatherford, TX 76087. Dy: (817)**

566-0085. Res: (817) 411-8209. S: Carolyn. Dy: Co G, 149th Avn Bn, TXARNG, Grand Prairie, TX. Rtg: MAA. IP. TP. RW Qual. FW Qual. Time: 4,857 Hrs./Cdt 986 AM/5. Life Member.

**Uindgren, Lester J., (SFC) (M83) (Les) P.O. Box R, Unit 27935, APO AE 03222. S: Edith. Dy: Platoon Sergeant, Past VP, Redcatcher Chapter.**

**Lit, Jack H., (CSM) (M82) (Old Tucson) Chapter Pres, 407E West Bluebell Way, Tucson, AZ 85741-4137. Dy: (602) 267-2700. Res: (602) 744-9737. S: Phonda. Dy: WAATS-AZARNG.**

**Livorno, Michael J., (2LT) (M92) (Go) 609 Melrose Drive, Enterprise, AL 36330. Dy: (205) 255-3311. Res: (205) 393-4900. Dy: D/1-149th. Time: 250 Hrs.**

**Lohn, Bruce F., (CSM) (M90) 670 Labore Road, Little Canada, MN 55117-1219. Dy: (612) 572-2006. Res: (612) 463-1217. S: Nancy. Dy: USAF, 5501st USAH, St. Paul, MN.**

**Long, Frederick D., (2LT) (M92) 31 Boyce Lane, Fort Rucker, AL 36362. Dy: (208) 389-6089. Res: (205) 586-1988. S: Roanne. Dy: IDARNG, Gower Field, Boise, ID. Rtg: MAA. RW Qual.**

**Long, Kevin W., (CPT) (M85) 319 Fairbury Lane, Fairfax, VA 22031. Dy: (202) 647-6083. Res: (703) 359-0696. S: Annetta. Dy: Foreign Service Officer, Dept of State. Rtg: AA. RW Qual. Time: 1,300 Hrs.**

**Long, Richard E., (SGM) (M92) (R.L.) 3356 Redford Road, Spring Lake, NC 28390. Dy: (404) 752-3825. Res: (919) 436-2153. S: Karin. Dy: Aviation Maintenance, USAF, Fort McPherson, GA.**

**Lounney, James B., (COL) (M92) (Jim) 9 Lake Drive, Round Rock, TX 78664. Dy: (512) 465-5088. Res: (512) 244-5411. S: Carmen. Dy: Commander, Avn Bde, 4940 Austin, TX. Rtg: SP. RW Qual. FW Qual. Time: 1,000 Hrs.**

**Lund, Dennis J., (LTJG) (M87) (Denny) 15700 Loggert Lane, Burnsville, MN 55337. Dy: (612) 296-4585. S: Karen. Dy: MN Army NG, St. Ann Office/Cdr. Rtg: AA. IFE. SIF. Time: 10,000 Hrs./Cdt 1,100 DFC/1. Past Pres, North Star Chapter.**

**Lucey, Michael W., (1SG) (M89) 3815 Suttonford Drive, Houston, TX 77066. Dy: (409) 539-4151. Res: (713) 893-2634. S: Judith. Dy: 7th Sqn, 6th Cav Regt, Conroy, TX.**

**Luyanchuk, Richard E., (CW4) (M78) (Studs) 1141 Daisy Circle, Juana, CA 91720-5821. Res: (714) 736-8458. S: Georgiann. Rtg: MAA. RW Qual. Time: 15,000 Hrs./Cdt 1,100 AW/11.**

**Luzarski, Thomas P., (LTJG) (M91) 11838 Lodge Road, Coral Gables, OH 44814. Dy: (216) 494-3191. Res: (216) 854-3839. S: Theresa. Dy: Facility Commander, AASF-1, OHPARNG, North Canton, OH. Rtg: IFE. SP. RW Qual. Time: 4,500 Hrs. AM/1.**

**Lundager, Michael S., (WO1) (M91) 3305 Wooded Way, Jeffersonville, IN 47130. Res: (812) 285-8649. Dy: B Co, 2-238th AHB, Shelbyville, IN. RW Qual. Time: 212 Hrs.**

**Luther, Jeffrey A., (CPT) (M91) 110 Abbey Lane, Enterprise, AL 36330. Dy: (205) 347-4238. Res: (205) 347-3834. S: Barbara. Dy: Financial Programming, USPA6RA. Rtg: AA. RW Qual. Time: 1,050 Hrs.**

**Lutz, Eric W., (MAJ) (M89) 3048 Eaglet Loop, Orlando, FL 32837-6931. Dy: (407) 356-9148. Dy: Staff Officer, 166th MI D (S), Miami, FL.**



**Mabey, Robert O., (COL) (M86) 556 Indian Springs Road, Bountiful, UT 84010. Dy: (801) 524-3709. Res: (801) 292-3106. S: Pat. Dy: State Army Avn**



Off for Utah, Cdr, 211th Avn Gp, (ATK), Rtg: MAJ. RW Qual. RW Qual. Time: 8,200 Hrs./Cdt 1,063 DFC3, AMW3. Life Member.

**Maclejowski, Donald M.**, (MAJ) (M84) (Mac) 444 East Duval Street, Jacksonville, FL 32202. Dy: (904) 354-8310. Res: (904) 292-2375. S: Carolyn. Dy: Attorney-Private Practice. Rtg: SAA. P. Time: 1,600.

**Mac Vay, James W.**, (BG) (M82) RD 2, Box 4480, Jonestown, PA 17038. Dy: (717) 787-6706. Res: (717) 865-5559. Dy: Assistant Dir. Cdr.

**Maddox, James H. Jr.**, (1LT) (M80) (Maddox) 154 Appomattox Drive, Daphne, AL 36526-9738. Dy: (205) 821-1971. P: (205) 621-0242. S: Michele. Dy: Section Ldr, 1-133rd Cos (AA), Mobile, AL. RW Qual. Time: 300 Hrs.

**Maher, John J.**, (CPT) (M92) (Jack) 3905 Kemstown Court, Fairfax, VA 22033. Dy: (703) 487-8028. Res: (703) 376-1863. S: Aniko. Dy: Asst Ch, MTF Ddr, JTC3A. Rtg: MAJ. RW Qual. Time: 1,400 Hrs.

**Maloney, Kevin M.**, (CW2) (M92) 108 Westborough Street, Worcester, MA 01604. Dy: (413) 557-3254. Res: (508) 757-7256. Dy: Aik Pilot/Maint Tech, D Tnp, 1-110th Cw.

**Maloy, Curtis J.**, (CPT) (M91) 100 Dixie Drive, Apt. 33, Enterprise, AL 36330. Dy: (205) 255-2522. Res: (205) 353-3535. Dy: Supply Plt Ldr, F/214, 33rd Avn Gp, 121 AFRCOM. Rtg: AA MTP. RW Qual. RW Qual. Time: 750 Hrs./Cdt 40.

**Mann, Ronald B.**, (SSG) (M77) (Ralph) 5041 SW 117th Way, Cooper City, FL 33330. Dy: (305) 665-7080. Res: (305) 434-1121. S: Nancy. Dy: Crew Chief, UH-1V, 347th Med Det (HA), Miami.

**Mariani, Felix M.**, (1LT) (M91) (BOZEMAN) 5th Street, N-16, Reina de los Angeles, Guano, PR 00778. Dy: (809) 722-3916. Res: (809) 258-9206. S: Myrna. Ldr. Dy: PRRNG. 1-192 Avn Bn, Co. Rtg: AA. RW Qual. Time: 300 Hrs.

**Marshall, Richard N.**, (MAJ) (M88) (Rick) Route 6, Box 65, Decatur, AL 35603. Dy: (205) 350-7466. Res: (205) 350-7466. S: Linda. Dy: Tech Rep. Phone-Public Acq Co. Rtg: AA. P. Time: 1,500 Hrs.

**Martin, Jason H.**, (MAJ) (M91) (Jay) 117 Harand Creek Drive, Enterprise, AL 36330. Dy: (205) 255-4099. Res: (205) 347-5051. S: Katharine. Dy: USAR Advisor's Office, Fort Rucker, AL. Rtg: SAA. RW Qual. Time: 1,800 Hrs.

**Martin, Mark A.**, (CW2) (M89) 207 Normandy Road, Fort Ord, CA 90941-1437. Dy: (408) 242-8066. S: Tonya. Dy: Aeroscut, C 29 Cav, Fort Ord. Rtg: AA. RW Qual. Time: 600 Hrs.

**Martins, Marques A.**, (WO1) (M92) (Phe-O) 700 Monts Avenue, Apt. 4A, Bronx, NY 10451. Dy: (516) 737-4948. Res: (212) 585-9448. S: Jacqueline.

**Marty, Wayne D.**, (COL) (M86) 1802 NE Loop 410, Suite 20, San Antonio, TX 78217. Dy: (512) 824-1918. Res: (512) 653-2990. S: Janie. Dy: STAPIC, HQ, TXARNG. Rtg: AA. P. Time: 2,750 Hrs./Cdt 58 AM26.

**Mason, Dawnya H.**, (CPT) (M83) (Skip) 272 Carriage Drive, Nashville, TN 37221. Dy: (615) 355-3675. Res: (615) 646-7732. S: Sandra. A. Dy: CO Cdr, S Co, 4278th ACM, Strym, TN. Rtg: SAA. Time: 1,505 Hrs.

**Mason, Robert L. Sr.**, (COL) (M59) (Bob) 260 Galloworthy Court, Roswell, GA 30075. Res: (404) 982-8800. S: Pat. Dy: ROPAC, St. Louis, MO. Rtg: AA. IFE SIP. P. RW Qual. RW Qual. Time: 25,000 Hrs. Charter Life Member.

**Massengale, Clifford L.**, (COL) (M88) (Cliff) P.O. Box 208, Fort Rucker, AL 36362. Dy: (205) 255-3531. Res: (205) 598-2628. S: Joann. Dy: (205)

## M Aviation Reserve Components

Deputy Asst Commandant-USAR, USAAVNC.

**Mathes, Mark A.**, (1LT) (M91) RD 3, Box 247, Balfour, KS 66808. Dy: (913) 862-0774. Res: (913) 594-2631. Dy: A Co, 1-108th Avn, Forbes Field, Topeka, KS. RW Qual. Time: 250 Hrs.

**Mathias, Ted A.**, (CSM) (M87) 5735 E McDowell Road, Box 35, Mesa, AZ 85205. Dy: (602) 267-2604. S: Cheryl. Dy: HQ STAPIC, AZARNG, State CS, Phoenix, AZ.

**Mathis, Matthew C.**, (MAJ) (M88) (Matt) 6320 Glenburk, Burke, VA 22015. Dy: (703) 848-7880. Res: (703) 445-1532. S: Tricia. Dy: Staff Member, BOM ESC, HHC 31 Cdt Avn Gp (USAR). Rtg: SAA. RW Qual. Time: 2,000 Hrs./Cdt 12.

**Mathews, Robert L.**, (SPC) (M82) (Bob) 7500 Elbrook Court, Lanham, MD 20706. Dy: (301) 455-2422. Res: (301) 582-2422. Dy: Student, U. Maryland College, (CPT)

**May, David M.**, (CW2) (M89) P.O. Box 547783, Orlando, FL 32854. Dy: (407) 856-6155. Res: (407) 897-5466. Dy: 138th Avn., Orlando, FL. RW Qual. Time: 350 Hrs.

**May, Wendell L.**, (CPT) (M89) 642 Maple Street, East Earl, PA 17519-9801. Dy: (717) 865-8253. Res: (215) 445-5921. S: Darla. Dy: Avn Bde Asst S-4, 28th ID, PAARNG. Rtg: SAA. RW Qual. Time: 1,750

**Mayencour, Reginald H.**, (SSG) (M91) (Reg) 12779 Flynn Forest Drive, Jacksonville, FL 32223-1845. Dy: (904) 641-5041. Res: (904) 268-5737. S: Susan. Dy: Technician/FLNG, 199th Med Co, Air Amb.

**Mayenschein, Edlie D.**, (CPT) (M87) 1219 Elm Drive, Olathe, MO 64101-1410. Dy: (412) 223-4575. Res: (412) 787-1872. S: Cynthia. Dy: Company Cdr, HSC 1-104th AHB, Washington, PA. Rtg: AA. RW Qual. RW Qual. Time: 6,400 Hrs.

**Mayrose, David F.**, (LTJG) (M81) (Dave) 3709 S. George Mason Dr., Apt. 604-E, Falls Church, VA 22041. Dy: (202) 267-1724. Res: (703) 845-0234. S: Judy. Dy: Avn Staff Off, IMA, SARDA, Pentagon. Rtg: SAA. P. RW Qual. Time: 1,900 Hrs.

**McBride, Kevin R.**, (MAJ) (M82) 35 Pond Street, Rehoboth, MA 02769-1725. Dy: (401) 333-0100. Res: (508) 252-8430. S: Colleen. Dy: XO, 1/128th ATK Hel. Bn., Quahost Airport, N. Kingstown, RI. RW Qual. Time: 1,250 Hrs.

**McBride, Loyd W.**, (1LT) (M89) 11307 Shapcrest, Houston, TX 77072. Res: (713) 568-8744. S: Charlene. Dy: B Co, 1-149th Avn. Rtg: AA. RW Qual. Time: 400 Hrs.

**McCabe, James D.**, (CW3) (M92) (Tiedown) 125 Heather Lane, North Falmouth, MA 02566-2115. Dy: (508) 968-5659. Res: (508) 564-4061. S: Karen. Dy: TP, RPT. P. RW Qual. RW Qual. Time: 3,000 Hrs.

**McCandless, Brian W.**, (CPT) (M87) 962 SW Hamberland, Fort St. Louis, FL 34963. Dy: (803) 648-3223. Res: (407) 336-3683. S: Janette. Dy: Aviation Maintenance Officer, 50th General Support, RW Qual. RW Qual. Time: 1,000 Hrs.

**McCullum, David E.**, (CPT) (M91) P.O. Box 17, Highland, MD 20777. Dy: (410) 677-4149. Dy: B Co, 5159th Avn Regt, Fort Meade, MD.

**McCormell, Shawn A.**, (1LT) (M91) 122 Cheltenham Drive, Normal, IL 61761. Dy: (309) 679-3251. Res: (309) 452-3427. S: Jimi. RW Qual. Time: 260 Hrs.

**McCoy, Robert E.**, (CW2) (M91) (Bob) 4577

Trevlow Court, Batavia, OH 45103. Dy: (317) 230-3822. Res: (513) 753-7300. S: Monica. Dy: Project Engineer-Allison Gas Turbine, Indianapolis, IN. RW Qual. RW Qual. Time: 1,750 Hrs.

**McDermott, Matthew A.**, (1LT) (M92) (Matt) 306 Melbourne Drive, Enterprise, AL 36330. Dy: (205) 255-3311. Res: (205) 393-4682. Dy: Flight School, Fort Rucker, AL.

**McDonald, Mark H.**, (CPT) (M91) 1320 2nd Street NE, Arab, AL 35016. Dy: (205) 841-1662. Res: (205) 506-1958. S: Sandy. Dy: Avionics Repair Platoon Leader, E Co, 131st Avn (AVM), Rtg: AA. RW Qual. Time: 201 Hrs.

**McElroy, Gary K.**, (1LT) (M92) P.O. Box 620306, Fort Rucker, AL 36362. Dy: (205) 255-3311. Res: (205) 347-9687. Dy: D Co, 1-145th, Student Pilot, Fort Rucker, AL.

**McGrath, John E. Jr.**, (WO3) (M92) 122 Franklin Avenue, Cheltenham, PA 19012. Dy: (215) 379-4045. Dy: A Co, 1-158th Avn, RW Qual. RW Qual. Time: 250 Hrs.

**McGrath, Philip S.**, (CPT) (M86) (Phil) Narragansett Bay Press, Little Pond County Road, Cumberland, RI 02864. Dy: (401) 267-4035. Res: (401) 333-5717. Dy: D Co, B-1-126 Avn, PAARNG. Rtg: AA. Time: 750.

**McInnes, Bruce L.**, (CW2) (M88) 466 Amsterdam Avenue, New York, NY 10024. Dy: (516) 586-2552. Res: (212) 352-2764. Dy: B-2-142 Avn, NYARNG, Islip, NY. RW Qual. Time: 1,700 Hrs. Cdt 980

**McKay, Gary J.**, (CW2) (M91) P.O. Box 237, Pine Island, MN 55963. Dy: (507) 285-8300. Res: (607) 356-8492. Dy: Aeromedical PA, HHC(3) 2147th Avn Bn, St. Paul, MN.

**McKenzies, Dana C.**, (MAJ) (M83) (Mac) Tar Heel Chapter Sq, 320 Holy Street, Vass, NC 28394. Dy: (919) 664-6322. Res: (919) 245-4920. S: Sue. Dy: Countering Coordinator, NCAVRG, Rtg: AA. RW Qual. Time: 600 Hrs. Past Sec, Iron Mike Chapter.

**McKinley, James L.**, (CW4) (M86) (Jim) ARAMCO, P.O. Box 454, Raastana 31311, Saudi Arabia. Dy: Training Captain, Res Tanura, Saudi Arabia. Rtg: AA. MAA. P. RW Qual. Time: 6,600 Hrs./Cdt 600 AM15. Life Member.

**McLaughlin, James A.**, (CW3) (M90) (Jim) 218 Springs Edge, Montgomery, TX 77356. Dy: (409) 539-4311. Res: (713) 367-5687. S: Lorie. Dy: Pilot-RI Examiner, 78th Cav. Rtg: IFE SIP. RW Qual. Time: 11,950 Hrs.

**McNamara, Robert G.**, (MAJ) (M87) RD 3, Box 253A, Susquehanna, PA 18947. Dy: (717) 853-4921. Res: (717) 756-2512. S: Carol. Dy: High School Principal. Rtg: SAA. RW Qual. Time: 1,000 Hrs.

**McNeese, Russell A.**, (WO1) (M91) 2421 Vanderbilt Lane, No. 4, Redondo Beach, CA 90278. Dy: (310) 795-2444. Res: (818) 756-2332. S: Victoria. Dy: C Troop, 1-18 Cav, CAARNG, Los Alamitos, CA. RW Qual. Time: 300 Hrs.

**McReynolds, Gregory S.**, (2LT) (M92) (Greg) 206 Martin Street, Enterprise, AL 36330. Dy: (205) 255-3311. Res: (205) 393-0864. S: Trista. Dy: D Co, 1-145th Avn., Fort Rucker, AL.

**Medley, Brent A.**, (CPT) (M87) (Smalley) 3616 SW Mezon Avenue, Topeka, KS 66614-3635. Dy: (913) 862-0774. Res: (913) 273-5514. S: LaAnn. Dy: Cdr, D Co, 1-108th Avn. Bn, Topeka, KS. Rtg: AA. MTP. RW Qual. Time: 1,000 Hrs.

**Meenan, David E.**, (1LT) (M91) (Dave) 91-1034 Malouha Street, Ewa Beach, HI 96707-1948. Dy: (808) 948-0434. Res: (808) 674-0434. Dy: C Co 1-193 Avn Bn, Scout Plt Ldr, Wheeler AFB, HI. RW Qual. RW Qual. Time: 450 Hrs.



**\*Mehring, Kenneth E.**, (LTC) (M91) 3033 Crystal Springs, Apt. 828, Bedford, TX 76021. Dy: (817) 280-4420. Res: (817) 571-6677. Dy Manager, Tilt Rotor Program, MSE Bell Helicopter, Rpt: SAA MTP. RW Qual. Time: 1,500 Hrs.

**Melendez, William**, (WO1) (M91) (84) 11th St., No. R-17, Ext. Villa Rica, Bayamon, PR 00859. Dy: (809) 722-3916. Res: (809) 786-4394. Dy: B Co, 1-192 Av Bn, PPARNG. Rpt: AA. Time: 456 Hrs.

**Merig, Donald R.**, (CW3) (M89) 7581 Kemper Lakes Drive, Ploverington, OH 43147. Dy: (614) 577-9124. Res: (614) 759-0838. S: Anita. Dy: U-21 Instrument FR Examiner, Det 1, B Co, 2-228 Avn Regt, AGR. Rpt: SAA IFE. RW Qual. FW Qual. Time: 3,700 Hrs.

**\*Meth, Bruce A.**, (CW3) (M77) 41 Shadow Wood Way, Bakston Lake, NY 12019. Dy: (518) 463-1807. Res: (518) 877-6077. S: Carol. Dy: Act Pilot, NY State Avn. RW Qual. FW Qual. Time: 4,600 Hrs.

**\*Messer, Nigel V.**, (M) (M89) 5910 Royal Gate, Apt. 423, San Antonio, TX 78242-1101. Dy: (409) 539-4311. Res: (512) 673-8459. Dy: Airframe & Powerplant Technician, Doss Avn Inc, A Co., 7/6 Cav. Rpt: MTP.

**Meyerhoeffer, Theresa L.**, (SGT) (M90) (Terry) 1625 Janet Avenue, Lubaton, PA 17042. Dy: (717) 865-8686. Res: (717) 270-0318. S: Harvey. Dy: R. Lindtowan Camp, Estm ARNG.

**Michalski, Scott C.**, (CPT) (M91) 25106 Highspring Avenue, Newhall, CA 91321-3416. Res: (805) 253-2986. S: Juliet.

**\*Mignogna, Michael**, (1LT) (M88) (Mike) 65 Sheri Drive, Chalfont, PA 18914. Dy: (215) 356-2910. Res: (215) 822-9396. S: Donna. Dy: School Teacher, A Co, 2-228th Regt, Army Reserve.

**Mikelson, Lail A.**, (CW2) (M89) 415 Paunack Place, Madison, WI 53705. Res: (608) 238-0316. Dy: 1-147th Avn Bn, RW Qual. Time: 650 Hrs.

**Miller, Charles R.**, (CPT) (M90) (Chuck) 5379 Mulwood Place, Powdersprings, GA 30073. Dy: (404) 421-5750. S: Althea. Dy: FR Ops Off, AGR, 145th Med Co, Dobbins AFB, GA. Rpt: AA. RW Qual. FW Qual. Time: 2,300 Hrs.

**Miller, Christopher**, (2LT) (M92) 204 Cardinal Lane, Enterprise, AL 36330. Res: (206) 347-3056. Dy: Student.

**\*Miller, Christopher**, (SGT) (M89) 2316 Nantucket Drive, Orford, MD 21114. Dy: (703) 836-9524. Res: (410) 721-1509. S: Jeanie. Dy: C Company, 4th Bn, 158th Avn. Regt., Fort Eustis, VA.

**Miller, Jon C.**, (CPT) (M85) 1816 Salenda Street, Buffalo, MN 55313. Dy: (404) 421-5633. Res: (612) 862-4252. Dy: HHS, 15 MI Bn, Dobbins AFB, GA. Rpt: AA. RW Qual. FW Qual. Time: 3,900 Hrs.

**Miller, Lori A.**, (SSG) (M91) 131 S. King Street, Annville, PA 17003. Dy: (717) 865-8974. Res: (717) 867-1690. Dy: Admin Supervisor, Eastern AATS.

**Millner, Guy W. Jr.**, (1LT) (M90) (Wes) 107 Fairmont Place, Nashville, TN 37203. Dy: (615) 305-0913. Res: (615) 292-7765. S: Carolyn. Dy: Sales Manager, Norrell Health Care, Inc. RW Qual. Time: 310 Hrs. Life Member.

**Misak, Henry A.**, (LTC) (M90) 99 Woodridge Place, Jackson, MS 39211. Dy: (601) 359-3155. S: Pamela. Dy: Project Mgr, MS Dept of Eco. & Comm. Devt., Intermation Project Mgr. RW Qual. FW Qual. Time: 3,000 Hrs./Cdt 400 AM/21. St. Michael Award 91.

**Mitog, James J.**, (LTC) (M71) (Jim) P.O. Box 589, Burlington, CA 94011-0589. Dy: (805) 238-8181. Res: (415) 347-4470. Dy: Arifed Col, Roberts AAF, Camp Roberts. Rpt: MAA. RW Qual. Time: 4,325

## N Aviation Reserve Components

Hrs./Cdt 1,253 AM/25.

**Monson, James A.**, (1LT) (M91) 100 Mark Lane, No. N4, Waterbury, CT 06704. Dy: (203) 383-3473. Res: (203) 356-4340. Dy: Manprint Mgr - LH Program, Sikorsky.

**Morales, Arcangel**, (CPT) (M92) (Arc) 333 Westmoreland Drive, Rochester, NY 14620. Dy: (716) 783-5365. Res: (716) 473-9756. S: Cornelia. Dy: Cdr, D2-142 Avn, Rochester, NY. Rpt: AA. RW Qual. Time: 470 Hrs.

**Morales, Johnny**, (CW2) (M89) Cond. Laguna Gardens IV, Apt. 8-C, Isla Verde, PR 00979. Dy: (809) 722-3916. Res: (809) 791-4567. S: Jo Ann. Dy: Hcpr Pilot, HD STARC, AASF San Juan. RW Qual. FW Qual. Time: 1,100 Hrs.

**Morrell, Mark D.**, (1LT) (M88) 60 Wadsworth St., No. 227, Cambridge, MA 02142. Dy: (617) 961-4512. Res: (617) 547-0409. Dy: Asst Staff. Rpt: AA. RW Qual. FW Qual. Time: 450 Hrs.

**\*Mortz, Gregory A.**, (2LT) (M92) CMR 2, Box, Fort Rucker, AL 36362. Dy: (205) 255-3311. Res: (205) 598-5325. Time: 120 Hrs.

**Moroney, Brian E.**, (CW2) (M87) 34 Worcester Lane, Waltham, MA 02154. Dy: (603) 225-1234. Res: (617) 893-2608. Dy: NPARNG, 1159th Med Co (Air Ambulance). RW Qual. Time: 725 Hrs.

**Morris, David C.**, (1LT) (M88) 2304 West 7th Street, Apt. 37, Hattiesburg, MS 39401. Dy: (601) 544-7900. Res: (601) 583-6527. S: Tammy. Dy: Police Officer, A Co, 1-186th Avn, Pt Ldr. RW Qual. Time: 520 Hrs. Life Member.

**Morris, Karl G.**, (LT) (M92) 232 Cardbrook Drive, Enterprise, AL 36330. Dy: (205) 251-3311. Res: (205) 347-3643. S: Kimberly. Dy: Student.

**\*Moss, Jeffrey N.**, (CPT) (M89) (Jeff) 525 Washburn Avenue, Louisville, KY 40222. Dy: (502) 423-9449. Res: (502) 425-6096. S: Camille. Dy: Pharmaceutical Sales Rep, Pfizer Pratt. Rpt: AA MTP. RW Qual. Time: 400 Hrs./Cdt 1

**Mossler, Stephen E.**, (1LT) (M91) (Steve) 4A Stoneridge Court, Box 130C, Altamont, NY 12009. Dy: (807) 753-8231. Res: (518) 452-0817. S: Catherine. Dy: Sales Engineer, Proso Products. Rpt: MTP. RW Qual. Time: 800 Hrs.

**Murray, Rodney E.**, (1SG) (M89) (Rod) 9962 Lighter Lane, Jacksonville, FL 32257. Dy: (904) 641-8144. Res: (904) 262-4089. S: Linda. Dy: ACF Ins Airway Avn Maint Shop, HHC, 419th Avn Co.

**Musio, David S.**, (CW2) (M86) 1050 Minnewawa, Apt. 107, Clovis, CA 93612. Dy: (209) 454-5365. Res: (209) 487-0568. S: Cornelia. Dy: 1106th AV-CRAD. Rpt: AA. RW Qual. FW Qual. Time: 2,300.

**Nyers, Rachel R.**, (1LT) (M92) (Frog) 29 Gall Lane, Fort Rucker, AL 36362. Dy: (205) 598-3506. Res: (205) 598-3506. S: Suzanne. Dy: HSC Company Cdr, 1-183rd Avn (ATK). RW Qual. Time: 550 Hrs.

NNNNN-0000

**\*Neal, Gordon S.**, (CPT) (M81) (Scott) 3409 Laura Ashley Circle, Fuquay-Varina, NC 27586. Dy: (919) 557-8695. Res: (919) 552-9621. S: Sandy. Dy: Raychem Corp Safety Manager, Raleigh, NC. Rpt: AA. RW Qual. Time: 560 Hrs.

**Neal, Jeff**, (CW3) (M83) (Neal) P.O. Box 3294,

Eugene, OR 97403. Dy: (503) 964-0776. Res: (503) 345-6128. S: Karen. Dy: Engineer, S.P. RR & Fixed Wing Charter Pilot, Mokane Flying School. RW Qual. Time: 2,300 Hrs.

**Neal, Timothy E.**, (COL) (M87) (Tim) 12325 Holyhook Court, Woodbridge, VA 22192. Dy: (703) 664-2221. Res: (703) 491-8899. S: Margaret. Dy: State Avn Off, DCARNG. Rpt: MAA. RW Qual. FW Qual. Time: 5,000 Hrs./Cdt 1,050 DFO1, AM/33.

**Neay, Stephen J.**, (MSG) (M89) (Steve) 165 Windy Hill Drive, Litz, PA 17543-9038. Dy: (717) 865-8663. S: Carol.

**\*Nield, Patrick O.**, (WO1) (M91) 3515 South Pleasant St., Independence, MO 64065-3211. Dy: (913) 782-1077. Res: (816) 252-9976. S: Elizabeth. Dy: GH-47 Pilot/NBC Officer, C Co., 2nd/158th Avn. Regt. Rpt: AA. RW Qual. Time: 250 Hrs.

**Nikka, John D.**, (1LT) (M91) Rochester Chapter Treas., 346 Shadowbrook Drive, Webster, NY 14580. Res: (716) 872-4254. Dy: 101st Cavalry, Rochelle, NY.

**Norris, Ray R.**, (MAJ) (M73) (Pat Ray) 612 West Pleasant Lane, Lombard, IL 60148. Dy: (708) 767-9151. Res: (708) 495-1047. S: Dale. Dy: Bde Avn Off, Chicago, IL, IFE IP 17A/1H1. Rpt: AA IFE. RW Qual. FW Qual. Time: 12,000 Hrs./Cdt 1,200 AM/28. Past Pres, Greater Chicago Area Chap.

**\*Nykanen, Kevin S.**, (CPT) (M86) 7610 Westwood Ave, Apt. 110, Tamarac, FL 33311. Dy: (817) 287-6562. Res: (305) 795-1518. Dy: Maint. Officer, E Troop, 4th Sp. 8th Cav, Fort Hood, TX. Rpt: AA. Time: 485 Hrs.

**\*Oakley, David L.**, (CW2) (M86) 198 Gentry Trc, Auburn, AL 36850. Dy: (404) 545-3952. Res: (206) 625-9205. S: Wendy. Dy: A Co, 615th Avn. Regt. Rpt: AA. RW Qual. Time: 750 Hrs.

**Odom, Robert P.**, (CW4) (M82) indiantown Gap VPM Memb., 1448 Karen Drive, Harrisburg, PA 17109. Dy: (717) 865-8922. Res: (717) 545-2410. S: Patsy. Dy: F Co, 104th Avn, Harrisburg. Rpt: SAA TP. IFE. RW Qual. Time: 3,400 Hrs.

**O'Connor, Charles J.**, (CW3) (M87) (Charlie) 63 Ridge Road, Glenrock, NJ 07452-2321. Dy: (201) 288-8400. Res: (201) 445-9732. S: Kathleen. Dy: Aeroscout inf, D Troop, 5/117th Cav., NJARNG Picatinny Arsenal, NJ. Rpt: MAA IFE TP. RW Qual. FW Qual. Time: 8,200 Hrs./Cdt 1,500 DFO1, AM/48.

**O'Connor, Gregory T.**, (1LT) (M91) 505 Winfield, San Antonio, TX 78239. Dy: (512) 661-3631. Res: (512) 656-2605. Dy: D Co, 149th Avn, TXARNG, Tap Pt Ldr, San Antonio, TX. RW Qual. Time: 400

**O'Connor, Michael P.**, (COL) (M70) (Mike) 104 Murry Drive, Pennington, NJ 08534. Dy: (609) 530-6945. Res: (609) 737-8092. S: Ronnie. Dy: NJ Army NG - SAAO. Rpt: MAA IFE SIP. RW Qual. FW Qual. Time: 8,000 Hrs./Cdt 950 AM/25. Life Member.

**\*O'Donohue, Raymond V.**, (MAJ) (M90) 40-15 219th Street, Bayside, NY 11361. Dy: (718) 352-5608. Res: (718) 224-3534. S: Sherril. Dy: Aviation Staff Officer, 77th US Army Reserve Cnd, Fort Totten, NY. Rpt: MAA. RW Qual. Time: 2,600 Hrs./Cdt 1,300 AM/33, IV.

**Ogden, Daniel H.**, (SSG) (M92) (Dan) 35 Deepfield Road, Springfield, MA 01118. Dy: (413) 589-3237. Res: (413) 783-1067. S: Eileen. Dy: Act Systems Foreman.

**Ogin, Jack T.**, (CPT) (M86) (Jack) Old Tucson Chapter Sr VP, 521 Mountain Sunrise Pl., Tucson, AZ 85704. Dy: (602) 624-7522. Res: (602) 742-0167. S: Diane. Dy: Dir of Ops, AZARNG AASF2, Marana. Rpt: MAA SIP. RW Qual. FW Qual. Time: 5,500 Hrs. Life Member.

\*Olmos, Felix, (CW4) (M6) McJannet Douglas Hchr, 1300 N. Gentry Street, Mesa, AZ 85203. Dy: (602) 891-3512. Res: (602) 827-0413. Dy: P. C.O.C., 1st Bn, 106th Avn, Phoenix. R: MAA IP. RW Qual. Time: 9,150 Hrs.

Ong, Timothy J., (WO1) (M91) (Tm) 402 Hokley Cir, Pineville, LA 71360. Dy: (318) 597-9998. Res: (318) 473-0512. Dy: C Co, 1244th Avn. Bn, Pilot. RW Qual. Time: 200 Hrs.

Osberg, Daryl F., (CW4) (M76) 7501 Highland Drive, Palestine, TX 76067. Dy: (707) 597-9600. Res: (707) 397-1554. S: Jean. Dy: B Co, 106th Avn Bn, Chicago, IL. Rtr: AA. RW Qual. Time: 3,000 Hrs./Cst 900 AM/24. Past Pres, Greater Chicago Area Chap.

Osborne, Maynard S., (1LT) (M91) (Ozke) 763 Bait & Annap Blvd., Severna Park, MD 21146. Dy: (410) 647-3700. Res: (410) 847-0482. S: Karen. Dy: B Co, 1224th Avn Bn, Aberdeen Proving Ground, MD. RW Qual. FW Qual. Time: 507 Hrs.

## PPPPPPPP

Paden, Richard L., (1LT) (M91) (Rock) RD 3, Box 330, Milltown, PA 17059. Dy: (717) 396-9778. Res: (717) 436-6349. S: Melissa. Dy: PAARNG, HHC 28th Avn Bde. Rtr: AA. RW Qual. Time: 200.

Palmer, James G., (LTC) (M86) (Jm) 121 Franklin Avenue, Harbor, PA 19040. Dy: (215) 396-0160. Res: (215) 672-3440. Dy: Attorney-Advisor, US Army Engineer District, Ft. Belvoir, RW Qual. Time: 2,250 Hrs./Cst 277 JI C8 AMV.

\*Paponek, Lee L., (WOC) (M91) 5734 North LaPorte, Lincolnwood, IL 60466. Res: (708) 677-9532.

\*Papler, John, (LTC) (M82) (John) 1601 Wilkesford Drive, Fallston, MD 21047. Dy: (410) 306-2444. Res: (410) 877-3782. S: Joan. Dy: USARAFR, Rtr: SAA. RW Qual. FW Qual. Time: 2,100 Hrs. Past Pres, Chesapeake Bay Chapter.

Parmlay, Troy A., (WOC) (M82) 316 Colony Drive, No. C, Enterprise, AL 36330. Res: (205) 347-4870. S: Jarine. Dy: B1-145th. RW Qual. Time: 145 Hrs.

Patterson, Jerry K., (MAJ) (M89) 1333-0 Stourton Court, Leavenworth, KS 66048-5906. Dy: (913) 651-9522. Res: (913) 684-0189. S: Christina. Dy: Command and General Staff College, Fort Leavenworth, KS. Rtr: AA TP. RW Qual. FW Qual. Time: 570 Hrs.

Paugh, Jeffrey A., (2LT) (M82) (Jeff) 1603 East Andrews Avenue, Apt. 11B, Ozark, AL 36360. Dy: (205) 255-3311. Res: (205) 774-8509. S: Rebecca. Dy: Act Mech-Delta Airlines, Shreveport-1415th. RW Qual. Time: 300 Hrs.

Paul, John J., (CSM) (M91) (John) 104 Chaucer Court, Worthington, OH 43085. Dy: (614) 431-7769. Res: (614) 865-7296. S: Bonita. Dy: USAR-IRR.

Paul, Timothy S., (CPT) (M88) (Ase) 301 North Roadrunner Pkwy, Apt. 510, Las Cruces, NM 88001. Dy: (505) 524-6947. S: Linda. Dy: Cdr, 461st Avn Detachment, Cdr Reconnaissance & Surveillance Det. Rtr: AA. RW Qual. Time: 1,500.

Paulson, Phillip T., (CW4) (M81) (Tom) 404 Elizabeth Street, Wausau, WI 53097. Dy: (919) 241-6384. S: Sue. Dy: C-268 Pilot, AASF 2. Madison, WI. Rtr: MAA SP. RW Qual. FW Qual. Time: 6,000 Hrs./Cst 850 AM/22.

Paschey, Norman R., (CW4) (M81) (Norm) R.O. No. 2, Box 66-B, Belleville, PA 17004. Dy: (717) 865-6282. Res: (717) 835-2086. S: Regina. Dy: UH-1H Pilot, Co C, 2104th Avn, Fort Indianowen Gap. Rtr: MAA. RW Qual. Time: 3,000 Hrs.

Peacock, Craig A., (1LT) (M91) 14 Fairwood Drive,

## Aviation Reserve Components

Queensbury, NY 12804. Dy: (518) 885-3015. Res: (518) 792-5023. Dy: President, Peacock Construction & Development Inc. RW/FW Qual. Time: 700.

Perry, James F., (CPT) (M91) 402 Cardinal Drive, Skillet, LA 70458. Dy: (601) 668-2339. Res: (504) 649-6880. S: Roxanne. Dy: 1244th Avn Bn, New Orleans, LA. RW Qual. Time: 700 Hrs.

\*Peterson, Kevin G., (CW3) (M82) 166 Crawford Drive, Marlinz, GA 30807. Dy: (803) 857-8172. Res: (404) 860-6372. S: Sheryl Ann. Dy: Principal Engr, Westinghouse.

Phelps, John B., (WOC) (M82) (J.B.) 123 Hillside Drive, Daleville, AL 36322. Dy: (205) 255-4006. Res: (205) 598-4107. S: Shannon. Dy: B1-145th, Fort Rucker. Rtr: MAA. RW Qual. Time: 25 Hrs.

\*Pierce, John M., (CPT) (M78) (Mike) 908 County Route 16, Beaver Dams, NY 14812. Dy: (607) 535-2767. Res: (607) 962-6372. S: Maureen. Dy: AA TP MTP. RW Qual. Time: 710 Hrs.

Pirsky, Melissa L., (SSG) (M88) (Mimi) 5124 W. Malachite Place, Tucson, AZ 85741. Dy: (602) 624-9204. S: Robert. Dy: WAATS, Administrative Supervisor.

Plitchford, James P., (WO1) (M91) (Jim) 13520 Mobile Drive, Little Rock, AR 72206. Dy: (501) 717-5382. Res: (501) 688-7915. S: Sharon. Dy: UH-1 Pilot, 448th Avn Det., Camp Robinson. RW Qual. Time: 500 Hrs.

Plisky, Alan, (SSG) (M74) (F.A.) 61 Gadola Street, New Britain, CT 06053. Dy: (203) 627-4843. Res: (203) 826-7461. Dy: Co D 169th Avn Regt, Hav Hill, CTARNG, Camp Hartel, Windsor Locks.

Pokorski, Kenneth A., (CW3) (M82) (Ken) 133 Currier Street, Sloan, NY 14212. Dy: (716) 296-1240. Res: (716) 892-0887. S: Theo. Dy: A Co, 2 Bn, 142nd Avn, Niagara Falls, NY. RW Qual. Time: 4,000 Hrs./Cst 1,200 DF/1, AM/38.

\*Poland, Robert, (COL) (M79) (Bob) Armadillo Chapter Sr. VP, 18215 North Trail Drive, Houston, TX 77073. Dy: (713) 799-7947. Res: (713) 443-1148. S: Vicki. Dy: 75TH MAC, Houston, TX. Rtr: MAA IP. RW Qual. Time: 8,122 Hrs./Cst 700 DF/1, AM/25. Life Member, Past Pres, Armadillo Chapter.

Ponto, Randy A., (SGT) (M90) 893 Candlerlock Lane, Jacksonville, FL 32225. Dy: (904) 841-8377. Res: (904) 241-8278. Dy: Training NCO, FLARNG, A Co, 1111th Avn (Aik Hel).

Pope, Chalmers D., (CW2) (M85) 12 Chestnut Street, Lexington, NC 27292. Dy: (919) 373-6500. Res: (704) 242-1390. S: Nancy. Dy: Co A, 1/130th Avn Bn, Raleigh. Rtr: AA. RW Qual. Time: 650 Hrs.

Pots, James R., (WO1) (M82) (Bam) RR 1, Box 1086, Grand Mound, IA 52751. Dy: (866) 793-4733. Res: (319) 847-6383. S: Angie. Dy: B1-147th. RW Qual. Time: 190 Hrs.

Powell, Dane W., (CPT) (M87) 108 Whitewood Drive, Madison, MS 39110. Dy: (601) 354-7540. Res: (601) 856-9037. Dy: MSARNG Technician Instructor Pilot UH-1, AASF/1 Jackson, MS. Rtr: P. RW Qual. Time: 1,550 Hrs.

Power, David S., (1LT) (M91) 9257 Mapleview Way, Elk Grove, CA 95758. Dy: (916) 364-4115. Res: (916) 684-5672. Dy: 128th Med Co, (AA) CAARNG, Mather AFB. Rtr: AA. RW Qual. Time: 400 Hrs.

Pratt, Paul W., (WO1) (M86) P.O. Box 575, Silverdale, PA 18982-0575. Dy: (215) 674-0697. Res: (215) 453-0092. S: Vicki. Dy: O4/158th Avn Regt, Willow Grove, PA. Life Member.

\*Prentiss, Donald L., (CW3) (M88) 11442 Aldrich Street, Whittier, CA 90606. Dy: (310) 795-2146. Res: (310) 695-1366. Dy: D Co, 1214 Avn Regt, AFRC Los Alamitos, CA. Rtr: AA. AM/20.

Presley, Benjamin T., (1LT) (M91) 8724 Worthington Road, Westerville, OH 43081-8851. Dy: (614) 492-3485. Res: (614) 891-9835. S: Jennifer. Dy: P. Lt. R. S. Company, 4107th ACR, Rickenbacker ANGB, Columbus, OH. RW Qual. Time: 252 Hrs.

\*Preston, Jeffrey L., (MAJ) (M86) (Jeff) 12335 New Hampton Drive, Tomball, TX 77375. Dy: (713) 964-3500. Res: (713) 370-2182. S: Sandra. Dy: Project Mgr, Centex Companies. Rtr: SAA. RW Qual. Time: 2,000 Hrs.

Preston, Kurt T., (CPT) (M82) 719 Meadowlake Drive, Ozark, AL 36360. Res: (205) 774-6478. Dy: E1-13, Fort Rucker. RW Qual. Time: 800 Hrs.

Price, Gregory L., (WO1) (M91) P.O. Box 400, Plumettica, AR 72127-0400. Dy: (501) 354-2155. Res: (501) 354-2571. S: Karen. Dy: Aeroscout Pilot, Det. 1, C Co, 2-137th Avn, Camp Robinson. AR. RW Qual. RW Qual. Time: 620 Hrs.

\*Priest, John L., (MAJ) (M74) P.O. Box 129, White Marsh, VA 23163. Dy: (804) 725-3702. Res: (804) 683-5605. S: Janet. Dy: Teacher, Mathews County School System. Rtr: SAA TP. Time: 1,639 Hrs. Charter Life Member, Past Sec, Mainz Chapter.

Proven, Donn R., (CW2) (M89) ("Doc") 1872 Abbott Court, Northfield, IL 60083. Dy: (708) 729-8553. Res: (708) 446-8140. S: Barbara. Dy: OIC Scout/Shipper School, Little Rock. AR. Rtr: MTP. RW Qual. Time: 9,286 Hrs./Cst 850 AM/5.

Pugliese, Robert J., (SFC) (M91) 10 Phyllis Court, Schenectady, NY 12306. Dy: (518) 798-4394. Res: (518) 356-4848. S: Marina. Dy: Aircraft Tech, AASF #3, Albany County Airport.

## QQQQ-RRRR

\*Qualls, Michael L., (MAJ) (M83) (Mike) 601 S. Rodney Parham Rd., Apt. 19C, Little Rock, AR 72206-4348. Res: (501) 221-1226. Rtr: SAA. RW Qual. FW Qual. Time: 1,630 Hrs.

Quarlock, Neil D., (CSM) (M91) 35 Sage Road, Waterford, NY 12188. Dy: (518) 786-4375. Res: (518) 237-2070. S: Cindy. Dy: Military Tech Act Foreman, 1/142 AVN BN.

Quinton, Patrick J., (WO1) (M91) Blake Court Rd, Box 129-C, York, PA 17403. Dy: (717) 865-8289. Res: (717) 792-4259. Dy: A Co, 2104th Avn, Fort Indianowen Gap, PA. Rtr: P. RW Qual. Time: 161 Hrs.

\*Raber, Terry L., (SGM) (M82) 301 Brandy Lane, Mechanicsburg, PA 17055. Dy: (717) 790-3669. Res: (717) 697-4955. S: Beverly. Dy: Ops Sgr, USAR Control Co Reserve, St. Louis.

\*Ramer, Albert W., (MAJ) (M81) (Bill) RD 2, Box 1938, Newport, PA 17074. Dy: (717) 249-5622. Res: (717) 567-3491. S: Marcia. Dy: FEMA Ops Off, EOC, Cumberland Co. PA. AA. RW Qual. Time: 2,000 Hrs.

Ransley, A.W., (SFC) (M90) (Bill) 4315 Senne Way, Lynnwood, WA 98037. Dy: (206) 281-3045. Res: (206) 745-6269. Dy: Bn S-4, NCOIC, 6158th CAB, Everett, WA.

Rapp, David A., (SFC) (M82) (Dave) 21 Woodland Drive, Salem, CT 06420. Dy: (203) 441-2923. Res: (203) 699-0017. S: Susan. Dy: Production Controller, CT AVRCAD, Groton, CT.



**Rasmus, John R.**, (CW2) (M91) (Ret) 22 Cambridge Drive, Clifton Park, NY 12065. Dy: (518) 786-0385. Res: (518) 371-2975. S: Kathy. Dy: Safety Officer, B Co., 1-142nd Avn., Latham, NY. RW Qual. Time: 3,000 Hrs./Cdt 435 AM/17.

**Ratczak, David P.**, (COL) (M87) 12408 North 58th Street, Scottsdale, AZ 85254-4333. Dy: (602) 267-2721. S: Cheryl. Dy: Chief of Staff, AZ Army NG, Phoenix, AZ. Rtg: MAA IFE SIP. RW Qual. RW Qual. Time: 8,000 Hrs./Cdt 924 DFC1, AM/37.

**Raw, Mark L.**, (CW2) (M91) 1326 Rigbie Hill Court, Belcamp, MD 21017-1106. Dy: (410) 671-2006. Res: (410) 273-6647. Dy: B Co., 1st Bn, 224th Avn (AH), APG, MD. Rtg: P. RW Qual. Time: 2,200 Hrs.

**Ray, Charles R.**, (COL) (M86) Box 363, Strong City, KS 66869-0363. Dy: (316) 273-6333. Res: (316) 273-6630. S: Mary. Dy: State Army Avn Off, KSARNG, and Army at Law. Rtg: MAA. Time: 2,500 Hrs./Cdt 500 Life Member.

**Reavis, Benjamin H.**, (1SG) (M82) (Ben) 9929 Sage Tree Court, Jacksonville, FL 32257. Dy: (904) 641-8144. Res: (904) 268-0243. S: Reavis. Dy: C/1-11th Avn, Craig Field, Jacksonville, FL.

**Redman, Richard S.**, (1LT) (M88) (Kiliga) 3459 W. Mercer Way, Mercer Island, WA 98040. Res: (206) 236-5912. Time: 43 Hrs.

**Redfield, Robert J.**, (WO1) (M91) (Red) 3236 S. Whitehurst Way, Eagle, ID 83615. Dy: (208) 389-5288. Res: (208) 377-6620. S: Tina. Dy: AH-64 Aviator, 1-183 Atk Bn Avn, Boise, ID. RW Qual. Time: 500 Hrs.

**Reece, Steven E.**, (1LT) (M91) 9032 Ferry Pike, Oak Ridge, TN 37830. Dy: (615) 981-2364. Res: (615) 927-8108. Dy: O Trip, 4278th ACR, TNARNG. RW Qual. Time: 350 Hrs.

**Reed, Calvin E.**, (CW2) (M78) (Cal) 6202 Elmer Avenue, Uxlingstone, PA 17112. Dy: (717) 561-6195. Res: (717) 545-0250. S: Ada. Dy: LH-1 Pilot, Fort Irwin Gap. Rtg: SAA. RW Qual. Time: 2,400 Hrs.

**\*Regalado, Raul L.**, (COL) (M81) 4916 Yeakum, Houston, TX 77006. Dy: (713) 230-2815. Res: (713) 523-3340. S: Helen. Dy: DCSD & T, 75th US Army Maneuver Area Cnd, Houston, TX. Rtg: MAA. RW Qual. Time: 4,000 Cdt 1,803 DFC1, AM/49.

**Reilly, Robert W.**, (1LT) (M91) (Bob) 2400 Dinwiddie Street, Arlington, VA 22206. Dy: (703) 845-1000. Res: (703) 820-0182. S: Mary. Dy: C Co, 1224th Atk Hel Bn, Edgewood, MD. RW Qual. Time: 600 Hrs.

**Reinhart, Alfonso**, (1LT) (M91) (A) 2239 N.W. 4th Terrace, Miami, FL 33125. Dy: (305) 393-1919. Res: (305) 393-6152. Dy: Pilot, 199th Med Co. (-) Air Amb.

**Reisling, Charles N.**, (MSG) (M84) (Chuck) 8028 Mansa View Drive, Harrisburg, PA 17112-9301. Dy: (717) 865-8797. Res: (717) 657-3434. S: Dorl. Dy: Chief, Enlisted Tmg, EAATS, FTG, PA.

**Reiter, Douglas C.**, (OPT) (M87) 5076 Carrollton Drive, Harrisburg, PA 17112. Dy: (717) 865-8780. S: Mary. Dy: Tmg Off, Ft Irwin Gap, EAATS. Dy: AA IP. RW Qual. Time: 1,500 Hrs.

**Rejzke, Neil A.**, (CPT) (M91) 1170 Chambers Road, Apt. 28, Columbus, OH 43212. Dy: (513) 791-7010. Res: (614) 486-7226. S: Susan Z. Dy: Salesman, Eureka Co.

**Resnau, Marc S.**, (SSG) (M84) (Stuch) RD 2, Box 4195, Jonestown, PA 17038. Dy: (717) 865-8325. Res: (717) 866-6464. S: Greta. Dy: RTS-Med, RG, Anville, PA. Life Member.

**Roth, Bernard E.**, (CW4) (M83) 941 Sunnyside

## S Aviation Officer Directory

Road, Hummelstown, PA 17056-9735. Dy: (717) 865-8688. Res: (717) 533-8657. S: Patricia. Dy: OY-GA SIP, OH-58A SIP, OH-54A PIC, EAAT SAs. Ft. Irwin Gap. Rtg: SAA SIP. RW Qual. Time: 6,000 Hrs./Cdt 631 DFC1, AM/16.

**Reynolds, Richard A.**, (SGT) (M82) 460 Lake Avenue, Worcester, MA 01604. Dy: (413) 557-2827. Res: (508) 756-7024. Dy: Act Tech, AFSF.

**Rhule, Steven P.**, (CW4) (M83) Box 175, Mount Gretna, PA 17064. Dy: (717) 865-8920. Res: (717) 964-2149. S: Michele. Dy: C-12F SIP, HDS STARC, Fort Irwin Gap. Rtg: MAA SIP. RW Qual. RW Qual. Time: 10,000 Hrs./Cdt 1,009 AM/15.

**\*Ricciardi, Albert M.**, (CW3) (M81) (Rick) 357 Linden Street, Reading, PA 19604. Res: (215) 374-5686. S: Holy. Dy: Pilot, Continental Express, Newark, NJ. Rtg: AA.

**Richter, Christopher**, (WO1) (M91) 3603 E. Darwin, Cincinnati, OH 45211. Dy: (513) 733-4444. Res: (513) 661-5867. Dy: 2/137th Avn Bn. RW Qual. Time: 400 Hrs.

**Ries, Arthur W.**, (COL) (M81) (Art) 201 Oak Woodland Way, Abington, MD 21009-1508. Dy: (301) 671-1844. Res: (301) 838-0071. S: Jamie. Dy: Chief, AIAV Op and Standardization Div, H88, Edgewood, MD. Rtg: MAA IP. RW Qual. RW Qual. Time: 2,465 Hrs./Cdt 800 AM/11.

**\*Ripandelli, Alfonso**, (1SG) (M80) (Rip) 23 Boston Lane, P.O. Box 353562, Palm Coast, FL 32135. Dy: (904) 232-2486. Res: (904) 446-3830. S: Carol. Dy: Quality Assurance Rep, IRR, Reinforcement Group, St. Louis, MO.

**Roach, Gene T.**, (1LT) (M91) (Tom) 901 24th Avenue SW, Apt. 212, Norman, OK 73069. Dy: (405) 527-7272. Res: (405) 447-1169. Dy: PI Ldr, A Co, 1/132nd Cnd Avn, (Corps) (TAFIC), Lexington, OK. Rtg: AA. RW Qual. Time: 430 Hrs.

**Rodda, Charles W.**, (CW2) (M91) (Chuck) 18 Electric Avenue, East Greenbush, NY 12061-2202. Dy: (518) 479-3117. RW Qual. Time: 1,800 Hrs.

**Rogers, David W.**, (CW3) (M89) P.O. Box 900714, Houston, TX 77259-0714. Dy: (713) 929-2706. Res: (713) 480-9878. S: Taml. Dy: Training Officer, Bn ASO, 1-149th Avn, Houston, TX. Rtg: SAA. RW Qual. Time: 2,000 Hrs.

**\*Rogers, Paul T.**, (CW2) (M89) 124 Ilwama Avenue, Apt. B, Fort Richardson, AK 99505. Dy: (907) 364-2527. Res: (907) 428-1551. S: Susan. Dy: LH-1 Huey Pilot, B Co, 4/123 Avn. RW Qual. Time: 450.

**Rohm, Robert A.**, (OPT) (M82) (Bob) 25 Boyce Lane, Fort Rucker, AL 36362. Dy: (205) 255-4616. Res: (205) 598-9183. Dy: Act Maint Off, F214th. Rtg: MTP. RW/FW Qual. Time: 1,100 Hrs./Cdt 10

**Rolg, Jose R.**, (CPT) (M90) Juan Ramos St. V-11, URB Santa Paula, Guaynabo, PR 00969. Dy: (809) 722-3916. Res: (809) 790-3318. S: Sonia. Dy: USAFNG Pilot, ASF at Puerto Rico. Rtg: MTP. RW Qual. Time: 540 Hrs.

**\*Rollins, Scott D.**, (WO1) (M80) PSC 2, Box 2123, APO AA 34002. S: Leslie. Dy: UH60 Pilot, 214 Med Evac Det, Albrook AFS, Panama. RW Qual. RW Qual. Time: 400 Hrs./Cdt 11

**\*Root, Roland W.**, (SFC) (M88) 581 Fawnwood Drive, Marietta, GA 30060. Res: (404) 432-8415.

**Ross, David A.**, (1LT) (M82) 101 Candlebrook Drive,

Enterprise, AL 36330. Res: (205) 347-2634. Dy: Director Off IIRGreenboro Police. Time: 32 Hrs.

**Ross, Bruce E.**, (SFC) (M80) 8743 Pinon Drive, Jacksonville, FL 32221. Dy: (904) 641-8875. Res: (904) 783-2751. S: Kristle L. Dy: Ops Spt, 1st Bn/11th Avn Regt (AK Hel).

**Roubian, Istephan L.**, (SFC) (M82) 11718 Starfish Avenue, Jacksonville, FL 32216. Dy: (904) 731-0898. Res: (904) 641-6130. S: Gaele.

**Rountree Jr., Edward C.**, (CW4) (M85) (Ed) 6304 West Mountain View, Gadsden, AZ 85302. Dy: (602) 757-9400. Res: (602) 496-5612. S: Laurel. Dy: Air Rescue Pilot/Police Off, AZ Dept of Public Safety. Rtg: MAA. RW Qual. RW Qual. Time: 7,509 Hrs.

**Rowe, Robert H.**, (CW4) (M73) (Bob) 8804 Paragon Circle, Grantwood Village, MO 63123. Res: (314) 849-6644. S: Marion. Rtg: TP. RW Qual. RW Qual. Time: 30,000 Hrs. Charter Life Member. Past VP, Greater Chicago Area Chap.

**Rudacki, William D.**, (WO1) (M91) (Bud) Route 5, Box 137, Lury, VA 22825-9413. Res: (703) 778-3590. S: Kim M. Dy: B Co, 2nd Bn, 224th Avn, Sandston, VA. RW Qual. Time: 300 Hrs.

**Ruppert, Robert W.**, (CW2) (M82) 5498 Merlus Road, RD 3, East Aurora, NY 14052. Dy: (716) 783-5411. Res: (716) 662-0960. S: Judy. Dy: Quality Control-AAF&A, Rochester, NY.

**Rushing, Millard C.**, (MAJ) (M87) (Jimmie) 3814 Crater Lake, Irving, TX 75092. Dy: (214) 263-0566. Res: (214) 262-7223. Dy: S-3, 3-149 Avn, TXARNG. RW Qual. Time: 5,000 Cdt. 819. Silver Star/1, DFC2, AM/29.

**Ryan, John F.**, (CW4) (M91) P.O. Box 146, Pine Plains, NY 12567. Rtg: P. RW Qual. Time: 12,000 Hrs./Cdt 545 AM/19.

## SSSSSSSSSS

**Salgado, Ramon E.**, (WO1) (M80) (Quiqui) P.O. Box 8558, Ponce, PR 00732-8558. Dy: (809) 722-3916. Res: (809) 840-1401. S: Janette. Dy: 1/192nd Cnd Avn Bn (Corps), PVARNG. Rtg: AA. RW Qual. Time: 300 Hrs.

**\*Sandfer, Terry E.**, (WO1) (M91) 159th Medical Co. (AA), APO AE 09175. S: Angel. Dy: Medevac Pilot, Wiesbaden, Germany. RW Qual. Time: 500.

**Santuzza, Hugo S.**, (CPT) (M85) (Schud) 5218 West Nighthawk Way, Tucson, AZ 85741. Dy: (602) 824-7514. Res: (602) 744-3919. S: Kimberly. Dy: Army Ground Liaison Officer, 162nd TRG, AZARNG, Tucson, AZ. Rtg: AA. RW Qual. Time: 750 Hrs.

**Saviano, Christopher**, (WOC) (M82) 26648 Military Road, Portage, WI 53901. Dy: (205) 255-4711. Res: (608) 429-2572. Dy: B Co, 1-149th Avn Regt, Fort Rucker, AL.

**Scanlan, Francis G.**, (LTC) (M83) (Jenny) 8200 S. Kostner, Chicago, IL 60652-2188. Dy: (708) 582-9100. Res: (708) 582-9100. Dy: State Chaplain, IARRNG, Springfield, IL.

**Schafer, Barry R.**, (CW2) (M91) HCR 1, Box 10, Calvin, MD 85823. Dy: (701) 224-5160. Res: (701) 293-5402. S: Nancy. Dy: P NDARNG, HQ STARC, Bismarck, ND. Rtg: P. RW/FW Qual. Time: 4,300.

**\*Schain, J. Gunnar**, (COL) (M72) (Gunner) 4846 Valinda Way, San Diego, CA 92124-2429. Dy: (619) 569-2437. Res: (619) 565-4852. Dy: APPEREN, Navy War College, San Diego, CA. Rtg: MAA. RW Qual. RW Qual. Time: 2,500 Hrs./Cdt 800 DFC2, AM/23. Charter Life Member.

**Schwanbacher, Grant T.**, (1LT) (M88) 12227 Canterhurst Way, Houston, TX 77065. Dy: (713) 651-3294. Res: (713) 894-8668. S: Laurie. Dy:



C Co, 1-149MCI Telecomm. RW Qual. Time: 700.

**Schenking, Michael W.**, (1LT) (M91) (Mile) 1800 Still Pond Way, Bel Air, MD 21014. Dy: (301) 321-4300. Res: (301) 853-4338. Dy: Avn. B. Rpt. 1/15th. RW Qual. Time: 300 Hrs.

**Schneider, P. A.**, (CW3) (M80) 24 Turkey Lane, Cold Spring Harbor, NY 11724. Dy: (516) 588-2552. Res: (516) 367-6671. S: Linda. Dy: B2-142 Avn, NYARNG. Islip, NY. RW Qual. FW Qual. Time: 10,000 Hrs.

**Schmitt, John C.**, (CW2) (M91) (Jack) 4639 Elm Street, West Des Moines, IA 50265-2994. Dy: (515) 285-9878. Res: (515) 226-1169. S: Joanne. Dy: Pilot. Rpt: SAA. RW Qual. FW Qual. Time: 2,000.

**Schmidt, Kenneth D.**, (MAJ) (M83) (Ken) 3939 Willow Run, Flower Mound, TX 75028. S: Kimberly. Dy: 28th Avn. Group, Arlington, TX. Rpt: SAA MTP. RW Qual.

**Schneider, Linda S.**, (CW3(P)) (M77) (Suz) 909 Army Road, Suite 169, Barstow, CA 92311. Dy: (919) 386-3441. Res: (619) 252-7417. S: Charles. Dy: 247th Med Det, Fort Irwin, CA. Rpt: SAA. RW Qual. Time: 1,700 Hrs.

**Schultz, Robert E.**, (BG) (M91) 807 2nd Avenue N.W., Mandan, ND 58554. Dy: (701) 224-5158. Res: (701) 663-8913. S: Euelia. Dy: ASST AG NDHNG, Bemis, ND. RW Qual. Time: 3,000.

**Schultz, Terry L.**, (COL) (M91) (Terry) Route 3, Box 128, Manor, TX 78653. Dy: (512) 465-5167. Res: (512) 285-2156. S: Audrey. Dy: SAAD Army Avn Texas National Guard. Rpt: MAA IFE SIP. RW Qual. FW Qual. Time: 11,400 Hrs.

**Schwarz, Michael J.**, (CPT) (M90) (Mike) 23 Captains Court, Mansquart, NJ 08736-3303. Res: (908) 223-2636. Dy: Pilot. American Airlines, Newark International Airlines (ENR). Rpt: AA. RW Qual. FW Qual. Time: 2,000 Hrs.

**Souly, John E.**, (MG) (M82) (John) 258 Livingston Road, Riverside, IL 60546. Dy: (312) 781-8183. Res: (708) 447-7531. S: Judy. Dy: Col. 102nd ARCOM.

**Sollam, Stephen R.**, (CW2) (M89) (Steve) 8346 Gadbeck Avenue, Northridge, CA 91324-4745. Dy: (916) 686-7799. Res: (818) 686-6942. Dy: PFS Officer. RW Qual. Time: 470 Hrs.

**Solling, William J.**, (CSM) (M85) (Bill) 715 York Street, Lodi, CA 95240-5206. Dy: (209) 736-2589. Res: (209) 368-3574. S: Darlene. Dy: CSM IRR USAR APCEN, St. Louis.

**Sonne, George L.**, (CW4) (M75) Flight Det (OKAFNG), 2222 Goddard Ave, Norman, OK 73069. Dy: (405) 360-1281. Res: (405) 872-5655. S: Rita. Dy: Det Supr, FW Det Supr, SIP, OKAFNG, HQ STAFAC, Norman, OK. Rpt: MAA IFE SIP TP. RW Qual. FW Qual. Time: 17,446 Hrs.

**Settino, Richard W.**, (2LT) (M92) 507 Briarwood Drive, Apt. 8C, Enterprise, AL 36330. Res: (205) 393-0863. Dy: DVI-145th, Home Unit/F Co, 142nd Avn Bde/42nd Inf Div, Ronkonkoma, NY. Time: 60.

**Shaw, William P.**, (CPT) (M86) (Bill) 46 Fisher Road, Middletown, CT 06457-2502. Dy: (203) 627-4654. Res: (203) 344-9036. S: Carolyn. Dy: Col. B Co, 2-128th Avn Regt, Windsor Locks, CT. Rpt: AA. RW Qual. Time: 700 Hrs.

**Shelley, Gregory S.**, (WO1) (M90) (P.O.) Box 35113, Fort Wainwright, AK 99703. Dy: (907) 333-7295. Res: (907) 479-5101. S: Jeanne. Dy: C Co, 228 Avn Regt, Ft. Wainwright, AK. RW Qual. Time: 500.

**Sheppard, F. David.**, (MAJ) (M89) Hudson-Mohawk Vp Memb., 1907 Providence Avenue, Schenectady, NY 12309. Dy: (518) 786-4300. Res: (518) 374-4294. S: Vicki. Dy: AASF Cor, NYARNG. Rpt:

## S Aviation Reserve Components

**MAA IFE SIP. RW Qual. FW Qual. Time: 6,000 Hrs./Ct 841 AM/17.**

**Sherman, Richard A.**, (LTC) (M88) (Rick) 4830 Austin Road, Aberdeen Proving Rd, MD 21010. Dy: (410) 671-1754. Res: (410) 676-2971. S: Marilyn. Dy: NGB Avn Safety Branch Chief, NGB Safety & Occup. Health Div, Avn Dir. Rpt: MAA. RW Qual. Time: 2,400 Hrs./Ct 1,025 AM/1.

**Shuman, Kenneth E.**, (LTC) (M67) 5691 Marilyn Drive, Pittsburgh, PA 15236. Dy: (412) 644-5406. S: Diane. Dy: M08 DES CCAD, TX. Rpt: MAA SIP MTP. RW Qual. FW Qual. Time: 10,000 Hrs./Ct 2,450 AM/35.

**Siles, James M.**, (LTC) (M84) (Jim) Tarheel Chapter Sr VP, P.O. Box B, Morrisville, NC 27560-8002. Dy: (919) 664-7506. S: Laura. Dy: HGS, STARC, NCAFRNG. Rpt: MAA IFE SIP. Time: 8,400 Hrs./Ct 1,691 AM/38, DFC1. Past Sec, Tarheel Chapter.

**Simerson, Thomas A.**, (CSM) (M90) (Tom) 511 Mulberry Road, Bellingham, WA 98225. Dy: (206) 734-7730. Res: (206) 734-0844. S: Jud. Dy: Insurance Broker, Simerson/Pettit-Mony Ins.

**Sircusano, Richard A., Jr.**, (CPT) (M91) 19 Kenmore St., West Babylon, NY 11704. Dy: (516) 447-6623. Res: (516) 321-4483. S: Janice. Dy: HHC Avn Bde, 42nd ID, NYARNG, Patchogue, NY. RW Qual. Time: 760 Hrs.

**Skinner, David W.**, (CPT) (M90) 305 Lake Shore Drive, Montgomery, AL 36108-1320. Dy: Hqs 1-131st Avn, Montgomery, AL. Rpt: AA. RW Qual. Time: 400 Hrs.

**Skordis, James J.**, (1LT) (M90) (John) 1322 Bay Ridge Avenue, Annapolis, MD 21403-2906. Dy: (301) 688-7110. Res: (410) 263-4020. S: Kimberly. Dy: C Trp. 1-158 Cav, 29th Ct Avn Bde.

**Smith, Craig L.**, (CW4) (M67) (C.L.) 3040 N. Farwell Avenue, Milwaukee, WI 53211. Dy: (708) 657-2355. Res: (414) 332-8768. Dy: C Co, 3/158th Avn Regt, NAS Glenview, IL. Rpt: MAA. RW Qual. Time: 4,150 Hrs./Ct 1,077 AM/1. Past Vp, Greater Chicago Area Chap.

**Smith, Mark A.**, (MAJ) (M81) (Smitty) 1288 Fir Street, Apt. B, Fort Dix, NJ 06640-1707. Dy: (215) 784-1782. Res: (609) 723-5808. S: Barbara. Dy: Bn XO (AGR), HQ, 2-228th Avn Regt. Rpt: SAA IP TP. Time: 2,600 Hrs.

**Smith, Mark D.**, (1LT) (M88) (Smitty) B Company, 2228 Avn Regt, Building 122, NAS Glenview, IL 60028-5510. Dy: (708) 657-2203. Res: (708) 541-3820. S: Linda. Dy: AGR FW Pt Ldr. RW Qual. FW Qual. Time: 500 Hrs.

**Smith, Paul N.**, (CPT) (M82) 4501 Phenix Drive N.E., Cedar Rapids, IA 52402. Res: (319) 978-9781. S: Cindy. Dy: Collins AGO. Rpt: AA IP. RW Qual. Time: 2,000 Hrs.

**Smith, William H.**, (LTC) (M91) (Butch) Minuteman Chapter VP Prog, P.O. Box 119, Belchertown, MA 01007. Dy: (413) 557-3234. Res: (413) 323-5881. S: Diane. Dy: AASF 2, Supr, MAARNG. Rpt: MAA IFE SIP IP. RW Qual. FW Qual. Time: 8,000 Hrs./Ct 1,500 AM/1.V.

**Soll, Robert W.**, (COL) (M91) 1044 Fourth Street, Des Moines, IA 50314. Dy: (515) 247-8750. Res: (515) 285-1313.

**Songin, Joseph S.**, (MAJ) (M92) 28 Lowell Road, Kenmore, NY 14217-1204. Dy: (716) 298-1431. S:

Mary. Dy: XO, 2nd Bn, 142nd Avn, Niagara Falls, NY. RW Qual. Time: 1,400 Hrs.

**Soper, Robert C.**, (2LT) (M91) P.O. Box 782, Concorville, PA 19331. Res: (215) 459-2638. Dy: D Co, 150th Avn, Newcastle, DE. RW Qual. FW Qual. Time: 400 Hrs.

**Sosa, Arthur J.**, (LTC) (M88) (Art) 114 Summer Brooks, Peachtree City, GA 30269. Dy: (404) 669-6007. Res: (404) 681-8733. S: Jo Ann. Dy: ARNG Avn. Coordinator, HQ FORSCOM, FC J3-0V, Fort McPherson, GA. Rpt: SAA. RW Qual. FW Qual. Time: 1,200 Hrs.

**Spongler, Charles R.**, (1LT) (M89) (Benn) 703 Golfcrest, Austin, TX 78734. Dy: (512) 465-5066. Res: (512) 261-3972. S: Toni. Dy: P. Supr, Austin Army Avn Support Fac. Rpt: SAA SIP MTP. RW Qual. Time: 2,300 Hrs. Past Treas, San Jacinto Chapter.

**Springs, Wayne A.**, (MAJ) (M90) FD 2, Box 516R, Pine Grove, PA 17963. Dy: (717) 865-8688. Res: (717) 345-2922. S: Barbara Lyn. Dy: Branch Chief, Rotary Wing Branch, PAARNG, E. ARNG Avn. Temp. Site. Rpt: IFE. RW Qual. FW Qual. Time: 2,500.

**Sparks, Richard A.**, (CW3) (M57) (Dick) 945 West Edmund Avenue, Morgan Hill, CA 95037. Dy: (408) 742-6888. Res: (408) 779-5821. S: Jeannie. Dy: ASD, 1-140, 4th Bn, Stockton, Rpt: MAA. RW Qual. Time: 4,020 Hrs. Charter Member. Life Member.

**Spolias, Angelo**, (CW4) (M84) (Ang) 110 Camelot Drive, Weatherford, TX 76086. Dy: (817) 491-5000. Res: (817) 599-8814. S: Sue. Dy: Individual Ready Reserve, Aeronaut Reserve, St. Louis, MO. Rpt: MAA IFE SIP. Time: 9,700 Hrs./Ct 989 AM/220.C.

**Spillner, Charles A.**, (CW4) (M80) (Charlie) 110 Camelot Drive, Fayetteville, GA 30214. Dy: (404) 994-5276. Res: (404) 460-9084. S: Debbie. Rpt: MAA IFE IP. RW Qual. FW Qual. Time: 7,000 Hrs./Ct 1,000 AM/20.

**Stagg, Don E.**, (LTC) (M80) (Don) 1st Bn, 131st Avn Regt, P.O. Box 3338, Montgomery, AL 36193. Dy: (205) 242-3514. Res: (205) 567-2658. S: Shirley. Dy: Bn Cdr. Rpt: AA. RW Qual. Time: 1,800 Hrs.

**Stangis, Morgan G.**, (MAJ) (M84) 206 Red Oak, Harter Heights, TX 76543. Dy: (817) 287-8330. Dy: Deputy G-3 Avn, 1st Corps, Fort Hood, TX. RW Qual. Time: 1,300 Hrs.

**Stanko, John J.**, (COL) (M74) (John) AAAA Natl Member-at-Large, Bldg, Aberdeen Proving Gd, MD 21010. Dy: (301) 671-1741. Res: (301) 676-3735. S: Princy. Dy: Director, ARNG Avn and Safety, NGB. Rpt: MAA IFE. RW Qual. FW Qual. HOF. NEB.

**Stanton, Stewart P.**, (1LT) (M89) (Stew) P.O. Box 7289, Laguna Beach, FL 32413-0289. Dy: (409) 539-4311. Res: (904) 233-7967. Dy: 77th Cav, Conroe, TX. RW Qual. Time: 700 Hrs.

**Starfman, S. Michael.**, (MAJ) (M82) (Mike) 1409 Ashcroft Drive, Downingtown, PA 19335. Dy: (717) 865-8859. Res: (215) 873-0636. S: Mary E. Dy: General Supply Officer, 28th DMCC, 28th ID, Harrisburg, PA. Rpt: SAA. RW Qual. Time: 1,100 Hrs.

**Stearns, Bryan F.**, (MAJ) (M86) (P.O.) Box 156, Aberdeen Proving Gd, MD 21010-0156. Dy: (301) 671-1850. Res: (301) 273-6510. Dy: NGB Avn Div, Section Ldr OSACSS. Rpt: SAA. RW Qual. Time: 1,800 Hrs.

**Steber, Jerome J.**, (CW2) (M91) (Jerry) P.O. Box 871, Stroudsburg, PA 18360. Dy: (608) 544-3735. Res: (717) 476-4852. S: Nydia. Dy: F Co, 150th Avn Bn (AR), Picatinny Arsenal, NJ. Time: 2,000 Hrs./Ct 1,000 AM/1.

**Steiner, Stephen J.**, (WO1) (M90) 2210 Northampton Avenue, Northampton, PA 18067. Res: (215)

262-6943. Dy: FT Student, Temple Univ. RW Qual. Time: 300 Hrs.

**Stephens, Duncan M.**, (COL) (M86) 111 Fairway Road, Jacksonville, NC 28546. Dy: (919) 455-1414. Res: (919) 345-3214. S: Connie. Dy: 44th Avn GP. NCARNG, Kinston, NC. Rtg: MAA. RW Qual. Time: 3,000 Hrs.

**Stephens, James L.**, (CW3) (M88) (Jim) Route 1, Box 524, Advance, NC 27006. Dy: (704) 637-0471. Res: (919) 998-5571. S: Linda. Dy: Superftr Inst. NCARNG, Salisbury, Rtg: SAA IFE SIP MTP. RW Qual. Time: 3,500 Hrs.

**Stopp, Joseph H., III** (MAJ) (M82) (Joe) Box 362, Rappahannock Academy, VA 22538. Dy: (804) 236-7326. S: Suzanne. Rtg: XO, 22nd 4th Avn Bn, 29th (DL), AGR, Sandston, VA. Rtg: AA, RW Qual.

**Stovens, Herbert E.**, (WO1) (M91) (Atashi) 1713 Rockingham, Apt. C, Normal, IL 61761. Dy: 1st Bn, 106th Avn, ILARNG. Rtg: AA, RW Qual. Time: 500 Hrs.

**Stewart, Debbie**, (CPT/P) (M82) 2720 Hubbard, Paris, TX 75460. Dy: (808) 856-2641. Res: (808) 637-4865. S: Jimmy. C. Dy: Production Cntr Off, Hq Co, 25th Avn Regt, Schofield Barracks, HI. Rtg: SAA TP. RW Qual. Time: 1,500 Hrs.

**Stewart, Ronald B.**, (COL) (M86) (Ron) 4504 Pebble Drive, Rockwood, Wilmington, DE 19802. Dy: (302) 324-7418. Res: (302) 796-2448. S: Nancy. Dy: State Army Avn Officer, Delaware Army National Guard. Rtg: MAA SIP. RW Qual. FW Qual. Time: 2,600 Hrs./Cdt 450 AM11.

**Stewart, Walter L.**, (BG) (M82) (Walt) R 4, Box 155, Bernille, PA 19606. Dy: (215) 376-6361. Res: (215) 486-7741. S: Sheila. Dy: AOC-S, 28th Div, Harrisburg, PA. Rtg: MAA, RW Qual. FW Qual. Time: 2,300 Hrs./Cdt 900 Life Member.

**Strowell, Charles H.**, (CW4) (M88) 1754 Holland Road, Willow Springs, NC 27592. Dy: (919) 552-3890. Res: (919) 552-1923. S: Mary. Dy: Safety Off RW Pilot, Co A 1130 Avn Bn, NCARNG. Rtg: MAA. RW Qual. Time: 3,100 Hrs./Cdt 1,098 AM22.

**Sites, Paul M.**, (MAJ) (M77) Minuteman Chapter VP Member, AASF 2, Bldg 7400, Westover AFB, MA 01022-1082. Dy: (413) 551-3240. Dy: XO, 1-110 Cavalry Squadron, Rtg: MAA MTP. RW Qual. Time: 2,300 Hrs.

**St. Martin, Jean J.**, (MSG) (M92) (Saint) 16 Lamphire Road, Westery, RI 02891. Dy: (203) 441-2920. Res: (401) 596-0805. S: Andrea. Dy: Ft Ogrs Spt/Avn Ops Svc, CT AVRARD.

**Ston, John**, (MAJ) (M86) (John) 2331 Telford Lane, Charlotte, NC 28210-6771. Dy: (704) 377-7376. Res: (704) 553-9638. S: Cheryl. Dy: Bn XO, 1130th Avn Regt, NCARNG. Rtg: MAA IP MTP. RW Qual. Time: 2,200 Hrs./Cdt 975 DFC1, AM39.

**Stons, Doyle L., Jr.**, (CW3) (M80) (Doyle) 4827 Trail Crest Circle, Austin, TX 78735. Dy: (512) 465-5088. Res: (512) 882-2594. S: Debbie. Dy: ASO, HQ Avn Bde, 49th AD, Austin, TX. Rtg: MAA IP. Time: 3,500 Hrs./Cdt 750 Fast Snp, Lone Star Chapter.

**Stons, Gary C.**, (LTC) (M91) (66) Magellan Aisle, Irvine, CA 92720. Dy: (714) 890-7251. Res: (714) 786-0335. S: Susie. Dy: XO, 168th Avn Co, Los Alamitos AFRL. RW Qual. FW Qual. Time: 4,000 Hrs./Cdt 1,067 AM42.

**Stons, Richard D.**, (MAJ) (M76) (Rich) 18528 SE 263rd Street, Kent, WA 98042. Dy: (206) 857-8138. Res: (206) 830-2212. S: Donna. Dy: Kent Industrial Mgmt Svc, Defense Logistics Agency. Rtg: MAA TP. RW Qual. Time: 3,400 Hrs./Cdt 1,000 AM22.

**Stons, Shepard B.**, (CPT) (M87) 712 Robert Frost Drive, Brantford, CT 06405. Dy: (203) 785-2822.

## T Aviation Reserve Components

Res: (203) 481-7008. S: Marlene. Dy: Aeromedical Physician Asst, 2nd Bn, 126th Avn Regt, Windsor Locks, CT. Time: 250 Hrs. Life Member.

**Strell, Joseph J.**, (2LT) (M89) P.O. Box 230701, Anchorage, AK 99523-0701. Dy: (907) 428-6333. S: Lynn. Dy: B Co, 1/207th Avn Regt, AKARNG, Ft. Richardson, AK. Rtg: AA, RW Qual. Time: 675.

**\*Stringer, Kevin D.**, (CPT) (M91) Kofelstrasse 20, CH-8004 Zurich, Switzerland. S: Beatrice. Dy: Swiss Bank Corporation, IMA USASETAF. Rtg: AA, RW Qual. Time: 805 Hrs.

**Sturges, W.**, (SGT) (M82) 27 Sheldon Place, Commack, NY 11725. Dy: (516) 588-2562. Dy: B2-142 Avn, NYARNG.

**Sullivan, David W.**, (CW4) (M89) (Dave) 23 Village Lane, Porter, TX 77365. Dy: (713) 929-2708. Res: (713) 354-9074. S: Yolanda. Dy: 1st Off Airline Pilot, Continental Airlines, C71-149TH DXARNG. Rtg: MAA SIP IFE. RW Qual. FW Qual. Time: 18,200 Hrs./Cdt 1,134 DFC1, AM28.

**Sullivan, Terence P.**, (CPT) (M91) (Terry) 305 N. Pratt Avenue, Carson City, NV 89701. Dy: (702) 972-2721. Res: (702) 882-7898. S: Millie. Dy: Nevada Natl Guard, Det Commander. Rtg: AA MTP. RW Qual. FW Qual. Time: 1,900 Hrs.

**Sutton, James E.**, (LTC) (M91) (Jim) P.O. Box 4175, Fort Eustis, VA 23604-0175. Dy: (804) 678-6100. S: Margaret. Dy: Dep Asst Cntrl, US Army Avn Log Schl. Rtg: MAA IP MTP. RW Qual. Time: 2,100 Hrs./Cdt 1,100 AM24. Past Pres, Bereux Chapter.

**Swann, Thomas B., Jr.**, (MAJ) (M85) 1201 Brookgreen Drive, Cary, NC 27511. Dy: (919) 523-5211. Dy: Asst S-3, 449th Avn Gp. RW Qual. Time: 1,500 Hrs. Life Member.

**Sweeney, Luke D.**, (WO3) (M91) 10306 Oakdale Drive, Houston, TX 77065. Dy: (713) 444-8622. Res: (713) 955-5517. S: Gwen. Dy: Ackerman & Co Real Estate, Houston, TX. RW Qual. Time: 400 Hrs.

**Sweeney, Michael K.**, (MAJ) (M85) (Mike) 1860 Oldfield Drive, Huntington, MD 20639. Dy: (301) 671-3395. Res: (301) 535-3047. S: Janet. Dy: GA Officer, MACC, MDARNG, APG, MD. Rtg: SAA, RW Qual. FW Qual. Time: 1,900 Hrs.

**\*Swiger, Jason D.**, (WO3) (M92) (Sandman) CWR 2, Box C-12048, Fort Rucker, AL 36362. (309) 526-8704. Dy: Flight Student, B Co, 1-145th Avn. Time: 577 Hrs.

**Tadson, Thomas A.**, (MAJ) (M85) (Higgins) 1077 Jessie Avenue, Kent, OH 44240. Dy: (216) 334-3286. Res: (216) 678-8648. S: Frankie. Dy: Avn Safety Off, STARC, OH. Rtg: SAA TP. RW Qual. FW Qual. Time: 3,000 Hrs. AM2.

**Tanaka, Nelson K.**, (MAJ) (M91) 3642 Sunset Place, Honolulu, HI 96816. Dy: (808) 624-9300. S: Peggy. Dy: Executive Officer, 1-193rd Avn. RW Qual. FW Qual. Time: 2,500 Hrs.

**Tannynhill, James W.**, (LTC) (M82) (Jim) 57 East Broadway, Bel Air, MD 21014. Dy: (410) 671-2635. S: Karen. Dy: Deputy Commander, MACC, Aberdeen Proving Ground, MD. RW Qual. FW Qual. Time: 2,400 Hrs./Cdt 40 AM7.

**\*Taylor, Terrence L.**, (WO1) (M91) (Terry) 1390

North Main, Apt. 228, Eules, TX 76039. Dy: (817) 280-7082. Res: (817) 354-1029. S: Amanda. Dy: Quality Assurance Spec, Bell Helicopter Textron. RW Qual. Time: 250 Hrs.

**Tetlock, Paul J.**, (MAJ) (M91) 51 Wheeler Drive, Clifton Park, NY 12066. Dy: (518) 336-4215. Res: (518) 371-0325. S: Pamela. Rtg: MAA SAA. RW Qual. FW Qual. Time: 2,100 Hrs.

**Thibodeau, Richard H.**, (1LT) (M91) (Rich) 3661 Cherrylyn Court NE, Kaler, OR 97033-4134. Dy: (800) 321-3348. Res: (803) 390-8156. S: Lori Jean. Dy: Liaison Officer, B Co, 110th Avn, Salem, OR. RW Qual. Time: 340 Hrs.

**Thiesmeyer, Erik L.**, (1LT) (M89) (Spole) 490 North Street, Morro Bay, CA 93442-1862. Dy: (805) 549-3400. Res: (807) 722-0268. S: Akeda. Dy: Chief, Tech Svcs Div, Natl Interagency Countering Inst. RW Qual. Time: 340 Hrs.

**Thomas, Samuel E.**, (CW2) (M84) (Sam) 613 Red Oak Avenue, Edgewood, MD 21040. Dy: (301) 671-3536. Res: (301) 676-3646. S: Ann Marie. Dy: Safety Officer, Aik Hl Pilot, Scout Plt/Unit Trainer, MDARNG. Rtg: AA, RW Qual. Time: 4,000 Hrs.

**Thompson, Ray L.**, (LTC) (M88) 1122 North 22nd Street, Bismarck, ND 58501. Dy: (701) 224-5180. Res: (701) 268-6517. S: Kathy. Dy: State Army Avn Off, HQ STARC, NDNG. Rtg: MAA IFE SIP. RW Qual. FW Qual. Time: 6,500 Hrs./Cdt 750 AM12.

**Thompson, W. William A.**, (CW2) (M90) (Tim) 6241 South Mulberry Way, Sandy, UT 84093-1230. Dy: (801) 524-3715. Res: (801) 561-9169. S: Jude. Dy: AH-64 Maint Test Pilot/P, AV1-211th. Rtg: MTP P. RW Qual. Time: 1,300 Hrs.

**Thoren, David A.**, (CW2) (M89) 211 South Boone Street, Boone, IA 50096-4710. Dy: (515) 432-6351. Res: (515) 432-4970. S: Janet. Dy: Army Avn Support Facility #1. Rtg: MTP. RW Qual. Time: 600 Hrs.

**Timms, Peter E.**, (WO1) (M92) (Pete) 210 Washington Avenue, Enterprise, AL 36330. Res: (205) 371-0731. S: Tammy. Dy: 1-145th. RW Qual. FW Qual. Time: 430 Hrs.

**Tison, Brian J.**, (CW2) (M93) 113 Summerfield Drive, Ponte Vedra Beach, FL 32082. Dy: (904) 771-2100. Res: (904) 223-4236. S: Kelley. Dy: Pilot, 1-111th Avn Regt, FLARNG. Rtg: AA, RW Qual. Time: 2,600 Hrs.

**Tompkins, Timmy L.**, (CW2) (M91) Minuteman Chapter Pres, 4 White Pine Drive, Florence, MA 01060. Dy: (413) 557-3246. Res: (413) 586-1022. S: Valerie. Dy: Maint. Test Pilot/OC Supervisor MAARNG. Rtg: MTP. RW Qual. Time: 1,200 Hrs. Life Member.

**Toot, Peter**, (SG) (M90) (Pete) HQs STARC AZARNG, 1665 East Grandview, Mesa, AZ 85203. Dy: (602) 267-2713. Res: (602) 962-9059. S: Jeanne. Dy: Dr of Military Afs, Phoenix, AZ.

**Toth, David A.**, (1LT) (M88) (Wheet) P.O. Box 65, 201 East 8th Street, Westfield, WI 53964. Dy: (608) 241-6384. Res: (608) 296-3949. Dy: Aik Pl Lt, C Co, 147th Avn Regt, WIARNG. Rtg: AA, RW Qual. Time: 700 Hrs.

**Trapani, Brian C.**, (1LT) (M82) Narragansett Bay Terrace, 40 Tower Hill Road, North Kingstown, RI 02882-4908. Dy: (401) 267-4036. Res: (401) 295-8382. Dy: C Co, 1/126th Attack Helicopter Bn, RIARNG. RW Qual. Time: 700 Hrs.

**Trask, James C.**, (1SG) (M88) (JT) 314 Hillside Drive, Edridge, IA 52748-3644. Dy: (319) 391-3635. Dy: D Co, 2nd Bn, 147th Avn Regt, Davenport, IA.

**Travens, John M.**, (CW4) (M81) (J.T.) 1413-A Skyview Circle, Harrisburg, PA 17110. Dy: (717) 865-6686. Dy: Instrument R Examiner, EAATS, Fort Indiantown Gap. Rtg: MAA IFE SIP MTP. RW Qual.



Time: 8,500 Hrs./Cdt 1,200 Past Vp, Indiantown Gap Chapter.

**\*Treadway, Charles D., (CPT) (M85)** (Chuck) 110 Valley View Drive, Enterprise, AL 36330. Dy: (205) 255-4006. Res: (205) 393-3796. S: Ladonna. Dy: B. Co., 1/145th Avn. Regt. Commander, Fort Rucker, AL. Rtg: AA. RW Qual. Time: 566 Hrs.

**\*Trullio, Gilbert R., (SFC) (M91)** (T.J.) P.O. Box 24, Antioch, IL 60002-0024. Dy: (312) 455-0022. Res: (414) 862-6820. S: Karen. Dy: HHC 3/1528th Avn. Regt. NAS Glenview, IL.

**Turk, Sam C., (SG) (M64)** (Sam) 318 Riverwood Drive, Gonzales, TX 78629. Dy: (512) 485-9027. Res: (512) 672-2537. S: Pat. Dy: Deputy Cdr. Trip Cmd, HQ STARC, TXARNG. Rtg: MAA. RW Qual. RW Qual. Time: 5,500 Hrs./Cdt 685 AM/13.

**Turkock, William S., (CW4/P) (M89)** (Turk) 106 Forest Street, P.O. Box 642, Slocomb, GA 30375. Dy: (202) 255-3151. Res: (405) 886-3384. S: Jane. Dy: E/SP. P. 6-159th Avn. Regt. Rtg: MAA. SP. IFE. RW Qual. Time: 9,000 Hrs./Cdt 800 AM/14.

## W

**Wacok, Randall K., (CW2) (M82)** 4201 Fairmont Parkway, Apt. 1611, Pasadena, TX 77504. Dy: (713) 929-2332. Res: (713) 498-9278. Dy: HAA/SP Ops Tech, TXARNG.

**\*Valentine, Daniel P., (MAJ) (M82)** (Dan) 1210 Cliff Pine Court, Marietta, GA 30064. Dy: (404) 933-1623. Res: (404) 425-3821. S: Lindy. Dy: Sales Mgr, Electronic Info Systems. RW Qual. Time: 1,500 Hrs.

**VanDeLuyter, James W., (SGT) (M82)** 607 Britton Road, Rochester, NY 14616. Dy: (716) 793-5400. Res: (716) 621-4549. S: Kathleen. Dy: Mach, AASF 4.

**Vanderbosch, Lee E., (CW4) (M68)** (Vande) 218 Cottswald Drive, Delaware, OH 43015. Dy: (614) 492-3668. Res: (614) 399-8653. S: Kathy. Dy: Section Leader, B Co, 2/137th Avn Bn, Columbus. Rtg: MAA. RW Qual. Time: 3,000 Hrs./Cdt 363 AM/10.

**\*Van Dorp, Lancy, (CW4) (M89)** 8455 West Leland Avenue, Chicago, IL 60656. Dy: (708) 939-3074. Res: (708) 625-1006. Dy: Col. Fire Dept, Chicago Fire Dept, Chicago, IL. Rtg: MTP. RW Qual. RW Qual. Time: 8,000 Hrs.

**Van Egge, Raymond B., (1SG) (M91)** Hudson-Mohawk Chap Sr VP, 83 Oak Street, FD 1, Rensselaer, NY 12144. Dy: (518) 457-2831. Dy: Supv. of EDP, NYS GASAS, Albany, NY.

**VanPelt, Albert E., (CPT) (M91)** (Al) 5201 I Street, Little Rock, AR 72205. Dy: (501) 711-5382. Res: (501) 663-1350. Rtg: P. RW Qual. Time: 2,500 Hrs.

**Vanture, Homer S., (MAJ) (M89)** (Chip) 322 Jennie Jewel Drive, Orlando, FL 32086. Dy: (407) 356-1222. Res: (407) 648-0726. S: Holy. Dy: Col, 199th Med Co, (Air Amb) Staff Engr, Martin Marietta. Rtg: MAA. RW Qual. Time: 2,300 Hrs.

**Vega, Scott A., (WO1) (M91)** 3111 Dewey Place, S.W., Canton, OH 44710. Dy: (216) 455-6142. Dy: Director, Service Rep, Ford Motor Credit, Akron, OH. RW Qual. Time: 300 Hrs.

**\*Vehlow, Charles A., (COL) (M73)** (Chuck) 1734 E. Coco Palm Drive, Gilbert, AZ 85234. Dy: (602) 891-5829. Res: (602) 497-8702. S: Katy. Dy: Director AH-64 Deliveries, McDonnell Douglas Helicopter Co, Mesa AZ. Rtg: SAA. RW Qual. RW Qual. Time: 2,200 Hrs./Cdt 825 DFC3, AM25.

**Venzke, Elmer W., (SFC) (M89)** 2518 20th Avenue, North Texas City, TX 77990. Dy: (713) 929-2706. Res: (409) 948-9048. S: Linda. Dy: 1/145th Avn. Regt. Ellington Field, Houston.

## W Aviation Reserve Components

**Vernonia, Jay B., (WOC) (M82)** 19 Eighth Street, Locust Valley, NY 11560. Dy: (516) 671-9143. Dy: Delta Airlines, Mechanic A & P Line Maint.

**Vinclair, Kevin A., (WOC) (M82)** GMR 2, Box C-12175, Fort Rucker, AL 36362. Res: (916) 961-0169. Dy: B/1-145.

**\*Vosty, Robert A., (SGM) (M89)** (Bob) 560 East Serena Avenue, Fresno, CA 93720-1618. Dy: (209) 445-6136. Res: (209) 434-0313. S: Yvonne. Dy: Avn Bde Opns Sgt, 40th ID(M).

## WWW

**Waschli, James R., (CW4) (M89)** 3003 Shoot Out Court, Austin, TX 78748-1938. Dy: (512) 465-5088. Res: (512) 260-1255. S: Gloria. Dy: P, TXARNG. Rtg: AA IFE SP. RW Qual. Time: 7,000 Hrs./Cdt 1,200 DFC1, AM35.

**\*Wagner, Keith C., (CPT) (M86)** 32 S. Nicholson Circle, Savannah, GA 31419. Dy: (912) 352-3500. Res: (912) 927-8429. S: Tana. Dy: 800.336.0516 Investment Broker, A.G. Edwards & Sons. Rtg: AA. RW Qual. RW Qual. Time: 1,200 Hrs.

**Wagner, Scott D., (CPT) (M82)** Indiantown Gap Acty Pres., 405 Wilshire Boulevard, Reading, PA 19608-1043. Dy: (717) 865-8929. Res: (215) 678-1784. S: Betsy. Dy: Opns Off. Rtg: SAA IFE. RW Qual. Time: 2,100 Hrs. Past Sec, Indiantown Gap Chapter.

**\*Walefield, Mark S., (CW2) (M89)** 1923 Haniman Lane #2, Redondo Beach, CA 90278. Dy: (310) 755-2794. Res: (310) 376-3639. Dy: 10214th Avn. Regt, Los Alamitos. Rtg: AA. RW Qual. Time: 500.

**Walker, John T., (SPC) (M92)** 1050 South Winterhawk Dr., St. Augustine, FL 32086. Dy: (904) 641-8675. Res: (904) 797-2917. Dy: HSC, 1-111th Avn (Air Hel), Jacksonville, FL.

**Wall, Larry A., (COL) (M79)** Route 1, Box 8, Purcell, OK 73080. Dy: (405) 425-8294. Res: (405) 527-7306. S: Tommie. Dy: State Avn Off, OKARNG, Norman, OK. Rtg: MAA IFE, SP. RW Qual. RW Qual. Time: 11,000 Hrs. Past Sec, Sooner.

**Wallace, Glenn N., (CW4) (M92)** (G.W.) 5321 SE Shawnee Hls Road, Tecumseh, KS 66642. Dy: (913) 862-9159. Res: (913) 862-1569. Dy: Instructor Pilot, AASF #1. Rtg: IFE SP. RW Qual. RW Qual. Time: 7,600 Hrs./Cdt 1,141 DFC1, AM38.

**Walsh, John P., (2LT) (M82)** 31 Maplewood Drive, Northport, NY 11768. Res: (516) 368-5201. Dy: Student-Univ of Stonybrook.

**Walkermyer, Patricia, (CW2) (M77)** (Patsy) P.O. Box 402, Jonestown, PA 17038. Dy: (717) 865-8960. Res: (717) 865-6040. Dy: ATC Tech, 28th Avn Platoon, Harrisburg, PA.

**Walter, Thomas C., (CSM) (M80)** 4 Korr Drive, Trenton, NJ 08610-1010. Dy: (609) 724-7530. Res: (609) 585-5883. S: Mary Ann. Dy: Division CSM, 50th Armored Division, Fort Dix, NJ.

**\*Wandel, Warren W., (CW4) (M78)** 2717 Warren Lane, Fort Worth, TX 76112. Dy: (817) 885-6800. Res: (817) 496-1979. S: Dara. Dy: Air Safety Investigator, Ov Safety Spec, IRRM. Rtg: MAA. RW Qual. RW Qual. Time: 3,400 Hrs./Cdt 700 DFC, AM13.

**Warren, Russell L., (1SG) (M88)** (Rusty) 1051 Cedar Glen Drive S., Plainfield, IN 46168. Dy: (317)

392-8271. Res: (317) 839-8686. S: Karen. Dy: Operations Sgt, Avn Bde (38ID), Shelbyville, IN.

**Waslewicz, Eric J., (WO1) (M91)** (Wo-Jo) 20 Brown Street, N. Dartmouth, MA 02747. Dy: (508) 968-5650. Res: (508) 933-6322. Dy: A Co, 2/126th Avn Bde, Ots ANSB, MA. RW Qual. Time: 182 Hrs.

**Watts, Vern, (LTC) (M82)** (Sonny) 3113 Bertles Bay Loop, Anchorage, AK 99515. Dy: (907) 429-6630. Dy: (907) 344-2776. S: Dot. Dy: Avn Bn Cdr, AKARNG, Fort Richardson, AK. RW Qual. Time: 6,500 Hrs./Cdt 1,195 AM29.

**Waugh, Donald C., (COL) (M91)** (Don) 4160s Aikewees Way, Andover, MA 01810. Dy: (508) 960-2074. Res: (508) 470-2875. S: Nancy. Dy: Medical Director, AT&T Network Systems, North Andover, MA. Time: 350 Hrs.

**Weaver, Roger L., (CW4) (M84)** (Fuzzy) 9047 Furrow Avenue, Elcott, MD 21042-1841. Dy: (301) 244-3889. Res: (301) 750-3274. S: Rebecca. Dy: C/2224 Avn, 29th Div, Weide AAF, Asst VP, 1st Maryland Leascope. Rtg: MAA P. RW Qual. Time: 4,300 Hrs./Cdt 945 AM29/93LC.

**Webb, Jesse H., (1LT) (M90)** P.O. Box 947511, Fort Belvoir, IL 32794-7511. Dy: (404) 641-6003. Res: (407) 256-1641. Dy: 1/111 Avn Regt, FLARNG, Craig Airfield, Jacksonville, FL. RW Qual. Time: 350 Hrs.

**Weinberg, Robert M., (SFC) (M80)** (Bob) 2511 Plantation Court, Pearland, TX 77584. Dy: (713) 929-2767. Res: (713) 495-1629. S: Billie Jo. Dy: HSC, 1st Bn, 149th Avn Regt, Ellington Field.

**Weilman, William J., (SFC) (M89)** (Jim) 10923 Steveding Horse Dr., Jacksonville, FL 32257. Dy: (904) 641-6378. Res: (904) 262-3863. S: Mary Ann. Dy: Readiness NCO, 199th Med Co (Air Ambulance).

**Wells, David B., (CW4) (M90)** (Dave) 4150 Caslebury Drive, Jacksonville, FL 32257. Dy: (904) 636-2199. Res: (904) 262-0434. S: Barbara. Dy: Exec Mgr, AT&T, Jacksonville, FL. RW Qual. RW Qual. Time: 5,000 Hrs./Cdt 300

**Wertheim, Joshua A., (MAJ) (M90)** (Jack) MacArthur Chapter Trees, 355 Pine Stave Hollow, Miller Place, NY 11764. Dy: (516) 447-5823. Res: (516) 929-7696. S: Laura. Dy: Suffolk Co, NY Police SGT, HHC Avn Bde Hanger A, Ronkonkoma, NY. RW Qual. Time: 1,800 Hrs.

**Wewoda, Michael F., (1SG) (M91)** (Mike) RD 1, Box 1839, Jonestown, PA 17038. Dy: (717) 865-8966. Res: (717) 865-6333. S: Patricia. Dy: Aircraft Mechanic Foreman, AASF-FITG.

**Whelan, Michael A., (1LT) (M91)** (Mike) P.O. Box 66, White Marsh, MD 21162-0666. Dy: (410) 671-3244. Res: (410) 862-6693. Dy: MDARNG, HHC, 29th Avn Bde, Edgewood, MD. RW Qual. Time: 250 Hrs.

**Wilbur, James M., (CW4) (M90)** (Mike) 1131 Harbour View Circle, Longwood, FL 32750. Dy: (904) 641-9677. Res: (407) 767-2578. S: Paige. Dy: Florida Army National Guard, Rtg: IFE IP. RW Qual. RW Qual. Time: 5,000 Hrs./Cdt 1,000

**Wilcoxon, Alan V., (CPT) (M89)** 63 Vista Drive, Shelton, CT 06484. Dy: (203) 380-4143. Res: (203) 925-8892. S: Lynn. Dy: 2/126th Avn Regt, CTARNG. RW Qual. Time: 700 Hrs./Cdt 60 DFC1, AM1V.

**\*Wilcox, Thomas H., (MAJ) (M84)** NTSB, 1515 W. 190th St, #555, Gardena, CA 90248-4319. Dy: (213) 297-1041. Res: (818) 334-4553. Dy: Air Safety Investigator, Natl Transportation Safety Board. Rtg: SAA. RW Qual. RW Qual. Time: 2,000 Hrs.

**\*Wilkinson, Joseph W., (MAJ) (M91)** (Jody) 1725 Jefferson Davis Hwy., Crystal Square 2, Ste 901, Arlington, VA 22202. Dy: (703) 271-4638. Res: (703) 683-1310. Dy: Market Development, Alliant Technologies Inc.. RW Qual. Time: 1,000 Hrs.

Wilkinson, Gary W., (SFC) (M89) 1380 Meadowbrook Lane, Lubson, PA 17042. Dy: (717) 865-8623. Res: (717) 865-5705. S: Karen. Dy: Eastern APMG Avn Trng Site, Ft Inlandown Gap.

Wilkinson, Robert M., (1LT) (M88) (Bob) Greater Chicago Chap Secy, 1332 Greenview, No. 5, Glenview, IL 60025. Dy: (312) 648-7444. Res: (708) 729-8197. S: Chris. Dy: AMO & PR Ldr, A2-502 Avn Regt (AVM), NAS Glenview, IL. Rg: AA MTP. RW Qual. Time: 660 Hrs. Past Vp, Greater Chicago Area Chap.

Williams, Edward A., (CPT) (M87) (Ed) 1335-B Werner Park, Fort Campbell, KY 42223-5000. Dy: (618) 796-5375. Res: (615) 431-2000. S: Sheila. Dy: Company Cdr, HHC, 9-101 Avn Regt. Rg: AA. RW Qual. Time: 600 Hrs.

Williams, Jesse J., (CPT) (M90) 772-1 Catocin Circle, Fort Ritchie, MD 21719. Dy: (717) 597-7103. Res: (301) 241-6940. S: Debra. Dy: C Co, 8th Bn, 158th Avn Regt., Greencastle, PA. Rg: MTP. RW Qual. Time: 900 Hrs.

Williams, John A., (CW4) (M88) 15910 Riverpointe Drive, Charlotte, NC 28278-9007. Dy: (704) 359-3708. Res: (704) 588-4072. S: Susan. Dy: B-737 Captain, Charlotte, NC. Rg: SAA IP. RW Qual. RW Qual. Cbr, 1,100 DFC21, ANW39.

Williams, Kurt E., (WOC) (M91) 341 Boulevard Street, Shreveport, LA 71104. Dy: (318) 640-6998. Res: (318) 222-4728. Dy: C Co, 1244th Avn, Camp Bearegard, LA. RW Qual. Time: 285 Hrs.

Williams, Kurt A., (2LT) (M92) 205 West Ponderosa Drive, Enterprise, AL 36330. Dy: (205) 255-5226. Res: (205) 383-2596. S: Susan. Dy: Training Officer, HHSC, 1/135th Avn, Viennsburg, OH.

Wilson, Charles H., (COL) (M82) (Rank) 700 Carter Road, Antioch, AR 71923. Dy: (501) 771-5361. Res: (501) 246-2728. S: Lela. Dy: SAAO, Camp Robinson, AR. Rg: IP. RW Qual. FW Qual. Time: 2,400 Hrs.

Wilson, Daniel H., (2LT) (M91) (Cherry) 247 South 650 West, Farmington, UT 84025. Dy: (801) 375-4889. Res: (801) 451-7096. Dy: C Co, 142nd Bn, 300 Bde, MI.

Wilson, Wayne A., (SGT) (M92) 7 Glandell Terrace, Springfield, MA 01108. Dy: (413) 557-3404. Res: (413) 748-4367. S: Margaret. Dy: RMO/Unit

# Z

## Aviation Reserve Components

Administrator, Det 1, HHF 1-110th Cav Sqdm, Westover AFB.

Zinco, Richard, (WOC) (M92) (Finster) CMR 2, Box B-12646, Fort Rucker, AL 36362. Dy: (205) 255-4171. Dy: B1-145th.

Zinser, Richard C., (CW4) (M92) (Nid) 133 Rock Road, Holliston, MA 01746-1118. Dy: (508) 968-5184. Res: (508) 429-6170. Dy: Firefighter, Firefighting Fire Dept, Cdr, D Co, 2/128th Avn Det. Rg: MTP. RW Qual. Time: 2,300 Hrs./Cdt 784 AM32.

Zold, Robert S., (CW3) (M92) (Bob) P.O. Box 62, Philadelphia, NY 13673. Dy: (315) 772-7532. Res: (315) 642-0622. S: Cheryl. Dy: AH-1 Pilot, NYARNG, AASF #4. Rg: MTP. RW Qual. Time: 2,350 Hrs.

Zolfa, Christopher, (SSG) (M91) America's 1st Coast Memb., 421 Renne Drive North, Jacksonville, FL 32218. Dy: (904) 641-8377. Res: (904) 757-6651. S: Lela. Dy: Training N Cdr/111th Avn Regt.

Woodard, Gregory L., (CPT) (M83) (Greg) 8104-B Falconer Court, Fort Meade, MD 20755. Dy: (410) 677-7593. Res: (301) 672-0670. S: Kim. Dy: S-1, AGR. Rg: SAA IP. RW Qual. Time: 1,700 Hrs.

Woods, Ralph L. Jr., (LTC) (M91) 106 Woodwinds West Drive, Columbia, SC 29212-3630. Dy: (404) 559-5506. Res: (803) 731-0758. S: Sherry. Dy: Chief, Aviation Division, HQ 81st AFDCM, East Point, GA. Rg: MAA. RW Qual. FW Qual.

Woods, William P., (CPT) (M92) Niagara Falls NYARNG Secy, 1360 Cambridge Avenue, North Tonawanda, NY 14120. Dy: (716) 633-2568. Res: (716) 692-5416. Dy: NY State Trooper. RW Qual. FW Qual. Time: 700 Hrs.

Woodworth, Randall W., (1LT) (M87) (Rand) 7700 Kingswood Drive, Apt. 3128, Kingwood, TX 75389. Dy: (713) 654-5436. Res: (713) 359-2564. S: Meri Kay. Dy: Scout Pl Ldr, B Tip, 7th Cav Regt. RW Qual. Time: 450 Hrs.

Wright, Wallace A., (CW4) (M90) (Wally) 708 Brewster Drive, Fort Jefferson, NY 11777-1929. Dy: (516) 588-2532. Res: (516) 473-8863. S: Joanne. Dy: Instructor Pilot, AAFS 1, L1, MacArthur AFB, NY. Rg: MAA IFE. SP. RW Qual. RW Qual. Time: 5,000 Hrs./Cdt 500

Wyman, Arthur H., (LTC) (M92) 7 Mill Pond Road, Kittery, ME 03904. Dy: (603) 883-1911. Res: (207) 439-6582. Dy: Asst Prosecutor, Salem Police Dept, NH.

Yood, Richard P., (LTC) (M86) (Rick) 208 Lexington Road, Tallahassee, FL 32312. Dy: (904) 878-7082. Res: (904) 385-9663. S: Penelope. Dy: Spec Asst to Dir, USAFAC Activity, Ft. Rucker. Rg: MAA IP. RW Qual. Time: 3,100 Hrs./Cdt 1,500 DFC01, AM32. Life Member.

Youngblood, Sorens G., (CPT) (M84) 251 Housatonic Avenue, Stratford, CT 06467. Dy: (203) 383-3005. Res: (203) 375-6865. Dy: Asst. Program Mgr. RAH-66, Siversky Act. Rg: MTP AA. RW Qual. Time: 600 Hrs. Life Member.

# ZZZZZZZZZZ

Zachary, Grant E., (CPT) (M92) (Zach) 458 Greenmill Lane, Hudson, VA 54016. Dy: (612) 296-4947. Res: (715) 386-3641. S: Brenda. Dy: Cdr, A Co, 2-147 Avn, St. Paul, MN. Rg: AA. RW Qual. Time: 800 Hrs.

Zelman, Russell H., (MAJ) (M91) (Russ) P.O. Box 650, Margateville, NY 12465. Dy: (514) 586-2166. Res: (807) 832-4669. S: Linda. Dy: Physician/Surgeon, Flight Surgeon, 42 Inf Avn Bde, Patchogue, NY. Time: 40 Hrs.

Zell, Ann M., (SGT) (M91) 801 Noble Street, Lebanon, PA 17042. Dy: (717) 866-8655. Res: (717) 274-1997. S: Ralph. Dy: EAATS, Flight Medic, Eastern AAATS.

Zimmer, William J., (CSM) (M91) (Bill) 27 Pidgeon Hill Road, Huntington Station, NY 11746. Dy: (516) 447-5923. Res: (516) 423-6081. S: Carol. Dy: Avn Bde, 42nd Id, Patchogue, NY.

Zuschlag, Eric W., (1LT) (M89) Greater Chicago VP Membr, 217 N. Oak Park Ave, No. 1W, Oak Park, IL 60302. Dy: (708) 524-5168. Res: (708) 524-5168. Dy: Geologist Rg: AA. Time: 8 Hrs.

## Officer Course (continued from page 28)

Often when asked a question by a student, the SGI's response is, "Have you looked in FM so and so?" The SGI reiterates the motto, "Students who learn by effort are more apt to retain what is learned."

What does the future Aviation Advanced Course look like? Many of the ideals and future changes will come from the students currently attending the course, and those who will attend in the near future. One of the major ideas being expressed for the future deals with the time available. As earlier suggested, the course over time has accumulated more and more information to stuff into the proverbial five pound bag. The academic load has

increased, but the course length has not. A correspondence portion of the course is currently under development. It is believed this will allow the students to start the course on a more even knowledge base. Less time will be spent on subjects such as Organization of the U.S. Army and more time spent on practical exercises.

Whatever changes are implemented, the person who claims the Aviation Advanced Course is "the best six months of your life" was probably not in the top 20% of his class. The Aviation Advanced Course continues to take leading steps in the development of a total quality Army officer. The Aviation Branch faces many challenges in the future and the Aviation Advanced Course stands ready to help its officers face those challenges.

WARFIGHTER!



# ARMY AVIATION CUB TO COMANCHE

Featuring descriptions and photos of five decades of U.S. Army Aviation aircraft from 1942 to the present.

Paperback, 68 pages, 160 photos.

ISBN 0-9629073-0-8

\$8.95



Please send me: \_\_\_\_\_ copies at \$8.95\* per copy

\$ \_\_\_\_\_

Shipping/Handling

\$ 3.00

Total

\$ \_\_\_\_\_

I prefer to pay as follows:

By Check enclosed payable to "AAPI"

By Credit Card:  Mastercard  VISA

Credit Card # \_\_\_\_\_ Expiration Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Please send my order to:

Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

If I need to be reached, please call me at ( ) \_\_\_\_\_ - \_\_\_\_\_

Fax or mail this form with payment to:

## ARMY AVIATION PUBLICATIONS, INC. (AAPI)

49 Richmondville Avenue, Westport, CT 06880 USA

Telephone: (203) 226-8184 • FAX: (203) 222-9863

***Allow 6-8 weeks for shipment***

\* Discounts available for quantities of 10 or more — contact publisher.

## **AAAA offers \$114,000 in 1993**

### **Two scholarships now open to upperclassmen**

### **One scholarship now open for graduate study**

#### **■ ■ BACKGROUND:**

The AAAA Scholarship Foundation, a separate non-profit, tax-exempt corporation created to render financial assistance to members of the Army Aviation Association of America, Inc. (AAAA) and spouses, unmarried siblings, and unmarried children of current and deceased AAAA members, expects to make available \$114,000 in assistance funds for the 1993 college-entry year.

#### **■ ■ SCHOLARSHIP GRANTS AND LOANS:**

A minimum of thirty scholarships will be presented to entering freshmen — ranging from \$1,000 to \$12,000 grants given out as one, two or four year scholarships; five interest-free loans of up to \$4,000 (\$1,000 a year); a \$4,000 scholarship (\$1,000 a year) to an eligible applicant pursuing a four-year B.S. degree in an aeronautical-related science.

In addition, one \$2,000 scholarship will be "reserved" for spouses of AAAA members, two will be presented to undergraduate sophomores, juniors or seniors (\$1,000 a year) and one will be presented (\$1,000 a year) for graduate study.

#### **■ ■ AWARD PHILOSOPHY:**

The AAAA National Scholarships are awarded on the basis of academic merit and personal achievement.

#### **■ ■ APPLICATION PROCEDURE:**

To apply, please request a Scholarship Grant/Loan Application and return it to the AAAA Scholarship Foundation, 49 Richmondville Avenue, Westport, CT 06880-2000 on or before May 1 (postmark will govern). On our receipt of the completed application, you will be mailed further instructions and assigned an AAAA interviewer. All forms, together with other supporting data, must be received by the Foundation on or before June 15 for consideration by the AAAA Awards Committee.

#### **■ ■ ELIGIBILITY CRITERIA:**

The applicant must be attending an accredited college or university for Fall entry as a full-time undergraduate or graduate student. No recipient can hold concurrent AAAA Scholarships. The AAAA member to which the applicant is related must have an effective date of membership on or before **October 15** of the year preceding the year in which the applicant is seeking aid unless the member is deceased.

#### **■ ■ SELECTION AND NOTIFICATION:**

Selection of winners will be made by the AAAA National Scholarship Selection Committee during mid-July with each applicant to receive a list of the winners not later than August 1.



# Solicitation now underway for CY 92 AAAA National Awards: NOMINATIONS DUE AT THE AAAA NATIONAL OFFICE ON OR BEFORE JAN. 15, 1993.

## "Award Presentations"

Up to eight AAAA National Awards for accomplishments made during Calendar Year 1992 will be presented at the 1993 AAAA Annual Convention in Fort Worth, TX. Senior members of the U.S. Army will be invited to present the AAAA's top awards to the 1992 winners.



## "Outstanding Aviation Unit Award"

Sponsored by the McDonnell Douglas Helicopter Company, this award is presented annually by AAAA "to the Active Army aviation unit that has made an outstanding contribution to or innovation in the employment of Army Aviation over and above the normal mission assigned to the unit during the awards period encompassing the previous calendar year." Any Active Army Aviation unit that has met the foregoing criteria is eligible for consideration.

## "ARNG Aviation Unit of the Year Award"

Sponsored by Textron Lycoming, this award is presented annually by the AAAA "to the Army National Guard aviation unit that has made an outstanding contribution to or innovation in the employment of Army Aviation over and above the normal mission assigned to the unit during the awards period encompassing the previous calendar year." Any Army National Guard aviation unit or organization that has met the foregoing criteria is eligible for consideration.

## "USAR Aviation Unit of the Year Award"

Sponsored by Textron Lycoming, this award is presented annually by the AAAA "to the U.S. Army Reserve aviation unit that has made an outstanding contribution to or innovation in the employment of Army Aviation over and above the normal mission assigned to the unit during the awards period encompassing the previous calendar year." Any U.S. Army Reserve aviation unit or organization that has met the foregoing criteria is eligible for this award.

## "The Robert M. Leich Award"

Sponsored by the Grumman Corporation, this award is named in memory of Brigadier General Robert M. Leich, USAR, the AAAA's first president (1957-1959) and its Awards Committee Chairman for 23 years. It is presented periodically to a unit for sustained contributions to Army Aviation, or to a unit or an individual for a unique, one-time outstanding performance.

### "Army Aviator of the Year Award"

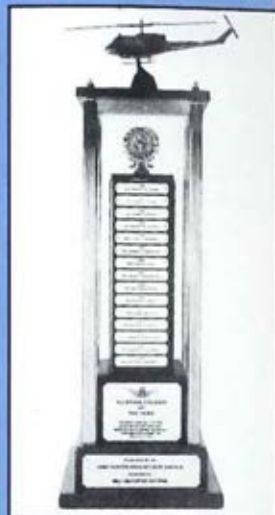
Sponsored by the Sikorsky Division of United Technologies Corporation, this award is presented annually through the AAAA "to the Army Aviator who has made an outstanding individual contribution to Army Aviation during the Awards period encompassing the previous calendar year." Membership in AAAA is not a requirement for consideration. A candidate for this award must be a rated Army Aviator in the Active U.S. Army or Reserve Components, and must have made an outstanding individual achievement.

### "Aviation Soldier of the Year Award"

Sponsored by Bell Helicopter Textron, this award is presented annually by AAAA "to the enlisted man serving in an Army Aviation assignment who has made an outstanding individual contribution to Army Aviation during the awards period encompassing the previous calendar year." Membership in AAAA is not a requirement. A candidate for this award must be serving in an Army Aviation assignment in the Active U.S. Army or the Reserve Components, and must have made an outstanding individual achievement.

### "James H. McClellan Aviation Safety Award"

Sponsored by General Electric Aircraft Engines in memory of James H. McClellan, a former Army Aviator who was killed in a civil aviation accident in 1958, this award is presented annually to an individual who has made an outstanding individual contribution to Army Aviation safety in the previous calendar year." The award is NOT intended to be given for the accumulation of operational hours without accidents by any aviation unit.



### "Joseph P. Cribbins DAC of the Year Award"

Sponsored by Boeing Helicopters, this award is named for Mr. Joseph P. Cribbins, the award's first recipient in 1976. It is presented annually by AAAA "to the DAC who has made an outstanding individual contribution to Army Aviation in the awards period encompassing the previous CY." Membership in AAAA is not a requirement. A candidate for this award must be a current Department of the Army Civilian.

#### Administrative Details

ACCOMPANYING DATA FOR INDIVIDUAL AWARDS: A standardized "Nomination Form for Submission of All AAAA National Awards" is the sole form utilized by the Awards Committee in its selection of annual AAAA National Award Winners. Copies may be obtained from any Chapter Secretary or by writing to AAAA, 49 Richmondville Ave., Westport, CT 06880-2000.

The form should be accompanied by a recent photo and biographical sketch of the nominee. Photos of the commander and the senior NCO must accompany each unit nomination. The "Nomination Form for Submission of All AAAA National Awards" and the accompanying photo(s) must be received at the AAAA National Office on or before January 15. Please use stiffeners to protect the photo(s) being submitted. The receipt of each nomination and seconding nomination will be acknowledged by the AAAA. However, awards nominations materials - to include photographs - cannot be returned.



## BRIEFINGS

**McDonnell Douglas Corporation** announced it will consolidate its six Government Aerospace companies into two groups to streamline operations. Effective 10 August 1992, the two groups will be led by **John P. Capellupo**, currently president of McDonnell Aircraft Co. in St. Louis, MO, and **Kenneth A. Francis**, currently president of McDonnell Douglas Space Systems Co. in Huntington Beach, CA. Capellupo will become executive vice president and will be responsible for **McDonnell Aircraft, McDonnell Douglas Missile Systems Co., and McDonnell Douglas Helicopter Company**. Francis will become executive VP responsible for **McDonnell Douglas Space Systems, McDonnell Douglas Electronic Systems, Co., and the C-17 Program**.

**CAE Electronics LTD.** has sold its first MAXVUE™ visual system for military applications to the U.S. Army. A two-channel MAXVUE™ Image Generator (IG) will be featured using CAE's Fiber Optic Helmet Mounted Display (FOHMD) visual system as part of a three year development program. The units will be provided for the Simulation and Improved Rotorcraft Integration Technology (SPIRIT) program, a five year development project jointly funded by Canada and the U.S.

**Grumman Corporation, Schweizer Aircraft Corporation, and UNC Aviation Services** have

teamed to bid for the U.S. Army's New Training Helicopter (NTH) program. Grumman will be the team's prime contractor. Schweizer will provide the FAA type-certified TH-330 design and manufacture TH-330 detail parts, subsystems, and assemblies, while Grumman will be licensed by Schweizer to complete final assembly, testing, and airworthiness certification, as well as produce the Cockpit Procedures Trainer. UNC will provide off-site support and initial maintenance and pilot training at Ft. Rucker, AL.

The **Boeing Sikorsky RAH-66 Comanche Team** recently conducted wind tunnel tests at the Boeing Defense & Space Group's Helicopters Division to evaluate the effects of releasing external fuel stores and weapons while in flight. The tests utilized a 1/6-scale RAH-66 model to measure the characteristics of jettisoning stores such as Hydra 70 rocket launchers, Hellfire missiles and rails, and external fuel tanks from the Comanche's External Fuel/Armament Management System (EFAMS).

**Correction:** The recipient of the AAAA National Scholarship (Aeronautical)—\$4,000, **Kristine M. Singler**, was listed incorrectly. She is the daughter of **George T. Singler, III**, Deputy Assistant Secretary for Research, Technology, and Acquisition, Office of the Assistant Secretary of the Army (RDA). She is attending Duke University.

## CAREER TRACK

If you'd like to take advantage of the Career Track employment referral service, but you're not yet a member of AAAA, the solution is simple: Fill out a membership form and send it in along with your request for a Career Track application. Your ad will run in the next available issue.

Active AAAA members may have a 30-word classified employment ad published in two consecutive issues of ARMY AVIATION MAGAZINE free of charge. Write to the AAAA National Office, 49 Richmondville Avenue, Westport, CT 06880-2000, or call (203) 226-8184 for Career Track applications. Inquiring organizations contact the National Office.

**Seeking flying/non-flying/management position in aviation development/flight test/operations. Seventeen years specialized experience in aviation technical testing and Army project management. Test pilot school and PM course graduate.** 92-08-01

**Seasoned Manager experienced in aircraft systems maintenance, manufacturing and production. Adept at handling continuing change, start-up operations and severe problem situations. Hands-on implementer, team player with excellent people skills.** 92-08-02

**Marketing Executive with considerable experience in domestic and international markets primarily in high technology defense related products seeking a new marketing challenge with initiative to succeed in today's business climate.** 92-08-02



# The Panther 800.

## Multiple missions at a fraction of the cost.

With a 2:1 acquisition cost advantage and a 4:1 operating cost advantage over the UH-60, the Panther 800 is the smart choice for the Army's light tactical helicopter — today and into the next century.

The exceptional cost-effectiveness of the Panther 800 doesn't come at the expense of operational superiority. Its design ensures it can easily satisfy the capability and survivability requirements

of the light utility helicopter role. From search and rescue to air assault, from command and control to medevac and reconnaissance, the Panther 800 is a non-developmental item that is multimission-effective.

The Panther 800 is an outstanding performer backed by the expertise of a strong American team. It's the cost-effective solution to the Army's long-term need.

 **Vought**  
aircraft company  
Dallas, TX

 american  
eurocopter  
Grand Prairie, TX

**IBM**  
Owego, NY

**LHTEC**  
Indianapolis, IN  
Phoenix, AZ





**ARRIVALS &**

**DEPARTURES**

## Major Generals

**Blackwell, Paul E.**  
Otrs 1, Taro Leaf Court  
Fort Seward, GA 31314

**Harvey, Jr., Thomas H.**  
746 Willow Glen  
El Paso, TX 79922

## Brig. Generals

**De Francisco, Joseph E.**  
5 Callaway Circle  
Savannah, GA 31405

## Colonels

**Bodelson, Patrick J.**  
4430 Majestic Lane  
Fairfax, VA 22033

**Bruna, Donald J.**  
MIL/OEL  
PSC 80, Box 12  
APO AE 09724

**Childress, Robert L.**  
301 Bobby Dale Drive  
Waynesville, MO 65583

**Garrett, Thomas W.**  
42 Red Cloud Road  
Fort Rucker, AL 36362

**Gibson, Emmitt E.**  
6214 Lochraven Drive  
McLean, VA 22101

**Hagen, John F.**  
43096 Sachs Drive  
Lancaster, PA 93536

**Idrus, Eldon H.**  
P.O. Box 20  
Fort Meade, MD 20755

**Jones, Charles B.**  
2691 Edlington Drive  
Montgomery, AL 38111

**McGill, William D.**  
PSC 303 Box 45  
APO AP 96205

**Miles, Otha G.**  
130th Station Hospital  
APO AE 09102

**Mowery, James L.**  
617 Longier Drive  
Peachtree City, GA 30269

**Patterson, Albert L.**  
304 Honeysuckle Drive  
Enterprise, AL 36330

**Penny, Palmer J.**  
46 Red Cloud Road  
Fort Rucker, AL 36362

**Player, Harvey L.**  
6758 Old Colony Way  
No. 3A  
Alexandria, VA 22309

**Rausch, Steven F.**  
5942 Ohara Landing Court  
Burke, VA 22015

**Rhodes, Danny L.**  
208 Tiverton Trail  
Peachtree City, GA 30269

**Smith, Doug, Jr.**  
215 Evergreen Drive  
Harker Heights, TX 76543

**Tackaberry, Kief S.**  
8904 Queen Elizabeth Blvd  
Annandale, VA 22003

**Townsend, Donald P.**  
2531 Fair Oaks Drive  
Jonesboro, GA 30238

**Vinson, Don E.**  
439 Harlow Drive  
Fayetteville, NC 28314

**Wood, Gail W.**  
HCR 2, Box 270  
Spicewood, TX 78669

## Lt. Colonels

**Browne, Harvey**  
PSC 303, HQ 8th US Army  
EACJFD, Box 27  
APO AP 96204

**Caesar, Lawrence E.**  
Bldg. 48, Box 10  
Fort Myer, VA 22211

**Comvère, Merle W.**  
3901 Westbank Court  
Manhattan, KS 66502

**Curran, John M.**  
10811 Burr Oak Way  
Burke, VA 22015

**Fanning, Leo N., Jr.**  
8320 Epinard Court  
Annandale, VA 22003

**Fox, Timothy J.**  
4 Callaway Circle  
Savannah, GA 31405

**Hall, David B.**  
Headquarters  
3rd Sqdrn, 1st Cav. Regt.  
Fort Polk, LA 71459

**Hamlin, John L.**  
6870 Deer Run Drive  
Alexandria, VA 22306

**Harrison, Thomas M.**  
P.O. Box 12001  
Huntsville, AL 35815

**Hess, Robert W.**  
3312 Wyncham Circle  
No. 107  
Arlington, VA 22202

**Hirsch, John S.**  
33 Polk Court  
Newport, RI 02840

**Klink, Ralph R.**  
62 Ballerive Acres  
Bellevue, MO 63121

**Krejci, Michael F.**  
PSC 303, Box 27  
EAJC-EA  
APO AP 96204

**Kropf, Carl J.**  
458th Aviation Battalion  
Unit 15276  
APO AP 96205

**Laughlin, James L.**  
PSC 303, Box 12-42  
APO AP 96204

**Leib, Jack R.**  
209 Auburn Drive  
Enterprise, AL 36330

**Lynch, Timothy R.**  
HQ, USAREUR  
CMR 420  
APO AE 09063

**Maca, Bronislav R.**  
4917 Clifton Avenue  
Norridge, IL 60656

**Martin, John R.**  
PSC 450, Box 776  
APO AP 96206

**Myles, James R.**  
8822 Rose Street  
Fort Hood, TX 76844

**Palmer, Clinton E.**  
Delaware Valley Mill Aft.  
825 Locust Grove Road  
West Chester, PA 19382

**Pangman, Myron E.**  
HQ USAREUR, 7th Army  
CMR 420, Box 2502  
APO AE 09063

**Pardue, T.E.**  
317 Riverview Avenue  
Church Hill, TN 37642

**Powell, Richard W.**  
410 Carothers Street  
Coppers Cove, TX 76522

**Ratzlaff, Roger L.**  
6235 Rivers Court  
Parker, CO 80134

**Reininger, Frederick A.**  
HHC, 1-2 Avn (Atk)  
Unit 15420  
APO AP 96257

**Roberts, Leonard J.**  
212 Melody Lane  
Vernon Hills, IL 60061

**Rogers, Michael W.**  
925 Matchbox Drive  
St. Charles, MO 63303

**Shively, Harry A.**  
1207 Hawk Trail  
Coppers Cove, TX 76522

**Smith, Roger N.**  
21 Rose Loop  
Fort Leavenworth, KS 66027

**Stellar, Frederick W.**  
4 Church Street  
Highland Falls, NY 10928

**Stewart, Thomas F.**  
87 Jackson Road  
Newport, RI 02840

**Thompson, Lee A.**  
2-3 Aviation Regiment  
Unit 26417, P.O. Box 1D  
APO AE 09182

**Van Peer, Fred H.**  
2911 Lynnwood Drive  
Omaha, NE 68123

**Waslak, Joseph E.**  
1193 A Drennan Park  
Fort Campbell, KY 42223

**Weaver, William C.**  
18406 Cypress Water Way  
No. 1305  
Tampa, FL 33624

**Williamson, Dennis A.**  
10032 Whoatfield Court  
Fairfax, VA 22032

**Woodson, James B.**  
1367 Normandy Court  
Fort Wainwright, AK 99703

## Majors

**Barfield, Walter R.**  
HHC CMTC  
Unit 28208, Box 305  
APO AE 09173

**Barker, William C.**  
108 Foxhill Drive  
Enterprise, AL 36330

**Berry, Lee W., III**  
A Co, 8-156th  
CMR 430, Box 1742  
APO AE 09096

**Blake, Samuel E. Jr.**  
2300 Huntington Avenue  
Apt. No. 1205  
Alexandria, VA 22303

**Budney, James J.**  
277 Grierson Street  
Fort Leavenworth, KS 66027

**Carlile, Gale R.**  
7 Hunt Road  
Fort Leavenworth, KS 66027

**Carroll, Gerald A.**  
9503 Third Street Road  
Louisville, KY 40272

**Courduff, Randall L.**  
4433 N. Stanton T-27  
El Paso, TX 79902

**Cypher, Dorothea M.**  
1 MI Bn. (AE)  
APO AE 09096

**Devis, Harry G.**  
2417 Hidden Valley Lane  
Silver Spring, MD 20904

**Drumm, Robert H., Jr.**  
9932B Saratoga Road  
Fort Drum, NY 13603

**Ferrell, Mark**  
5849 Hibernia Drive  
Fayetteville, NC 28314

**Frederick, Walter III**  
3720 Stonybrook Drive  
Topeka, KS 66610

**Galbreath, Deward H.**  
10213 Camellion Court  
Ellicot City, MD 21042

**Garvey, Daniel L.**  
CMR 427, P.O. Box 811  
APO AE 09830

**Gavros, William M.**  
898 Brentmoor Court  
Newport News, VA 23602

**Gillick, Paul E.**  
207 Steele Wood Drive  
Richmond Hill, GA 31324

**Granger, Matthew S.**  
29 4th Artillery Road  
Fort Leavenworth, KS 66027

**Hardy, Kirk**  
HPT 2-6 Cavalry  
CMR 416  
APO AE 09140

**Harter, Robert L.**  
HQ Cnd Ft Det  
CMR 450, Box 1492  
APO AE 09705

**Helne, Kurt M.**  
1612 NE 81st Street  
Kansas City, KS 64118

**Hinds, Stanmore J.**  
4508 Overridge Drive  
Chester, VA 23831

**Holliday, Chris E.**  
914 Cheesefactory Road  
Honeye Falls, NY 14472

**Hunsberger, Jerald W.**  
2813 Spring Garden  
Leavenworth, KS 66048

**Jarboe, Douglas R.**  
227 Drexel Avenue  
Decatur, GA 30030

Keilton, James W.  
1162 Drennan Park, Apt. B  
Fort Campbell, KY 42223

Knighton, Christine  
P.O. Box 2655  
Clarksville, TN 37042

Krupczak, Michael J.  
402 Gable Court  
Clarksville, TN 37042

Ladd, Charles B.  
83 Walnut Street  
Fort Davens, MA 01433

Mackey, David C.  
1333 B. Stoneleigh Court  
Leavenworth, KS 66048

MacHealy, Richard E.  
College of Naval Command  
US Navy War College  
Newport, RI 02841

Madden, Craig  
P.O. Box 4108  
Milliani, HI 96789

Marks, Tommy L.  
4901 Barding Trail  
Killeen, TX 76542

Mealer, Robin L.  
1114 N Broadway  
Leavenworth, KS 66048

Messex, Michael L.  
200 TAMMC  
CMR 404, Box 518  
APO AE 09052

Moore, Joseph I.  
7 Barkdale Drive  
Savannah, GA 31419

Napoli, John C., Jr.  
418 Post Oak Drive  
Grand Prairie, TX 75050

Ng, Dennis K.C.  
3118 Lakewood Circle  
Leavenworth, KS 66048

Petlerman, Thomas B.  
92-1293 Alahol Street  
Ewa Beach, HI 96707

Petty, Frank S.  
317-F Pope Avenue  
Fort Leavenworth, KS 66027

Ragland, Dennis L.  
140 Decker Drive  
Richmond Hill, GA 31324

Reinemer, Rno P.  
W 8059 Bayview Drive  
Whitewater, WI 53190

Rodriguez, Herbert A.  
4th Artillery Road  
Box 63  
Fort Leavenworth, KS 66027

Scharrer, Kevin G.  
14308 Arborcrest  
Houston, TX 77062

Seay, Tony S.  
9616 Woodedge Drive  
Burke, VA 22015

Senex, Ronald G.  
74 Fairfield Street  
Springfield, MA 01108

Snyder, James R.  
HHC DISCOM 31D  
Unit 28132  
APO AE 09031

Stuart, Leonard C.  
78 Chappell Hill Road  
Griffin, GA 30223

Summer, Gordon, Jr.  
H.O.A., 4th ROTC Region  
Attn: G3  
Fort Lewis, WA 98433

Taylor, Allen B., Jr  
ATTN: TAPC-OPW  
200 Stovall Street  
Alexandria, VA 22332

Thomas, Kelly J.  
5591 Lockridge Road  
Fayetteville, NC 28311

Trivette, Michael R.  
P.O. Box 11035  
Daytona Beach, FL 32120

Valentine, Mark E.  
HSC 2-1 Avn.  
CMR 454, Box 2625  
APO AE 09250

Varley, Dwight B.  
60 AlCS (GLO)  
Travis AFB, CA  
APO AE 94535

Westphal, Steven D.  
1060 2nd Street  
Apt. F  
Leavenworth, KS 66048

Wilson, Marilee D.  
3rd MI Battalion (AE)  
APO AP 96271

Young, Thomas W.  
HSC 7-1 Avn.  
CMR 454, Box 2778  
APO AE 09250

Zoellers, William D.  
PSC 450, Box 461  
APO AP 96206

## Captains

Alexander, David R.  
19 Montlich Lane  
Fort Rucker, AL 36362

Altmeyer, George A.  
505 Yucca Drive  
Copperas Cove, TX 76522

Baerlein, Christopher  
515-2 Rimrock Terrace  
Fort Riley, KS 66442

Belew, Michael E.  
P.O. Box 11511  
Knoxville, TN 37939

Benjamin, Brian R.  
1250 Chiquitos Road  
Bosque Farms, NM 87068

Beplay, Darryl W.  
175 Fox Road  
Pensacola, FL 32503

Bliland, Kenneth J.  
36 Gail Lane  
Fort Rucker, AL 36382

Bird, Craig H.  
602 Danforth Place  
Fayetteville, NC 28303

Braley, William, Sr.  
6942 Towbridge Road  
Fayetteville, NC 28306

Brucker, Duane E.  
832-E Tamarack Drive  
W. Carthage, NY 13619

Butler, Francis O.  
4071-N. Churchil Dr.  
Fayetteville, NC 28303

Callan, Steven V.  
208 Goddard Avenue  
White Sands, NM 86002

Carmody, Russell D.  
1520 A 2nd Avenue  
Leavenworth, KS 66043

Casemy, Michael L.  
280 Hollander Road  
Wayzata, MN 55391

Choi, Fredrick S.  
6251 Lake Trail Drive  
Fayetteville, NC 28304

Collette, Perry D.  
828 Gaisburg Street  
McKeville, NC 27028

Crabb, Jeffrey A.  
34 Logan Street  
Fort Rucker, AL 36382

Critchfield, Tony G.  
55 Dragon Drive  
Fort Leavenworth, KS 66027

Cumblie, Robert M.  
116 Chapelwood Drive  
Enterprise, AL 36330

D'Alton, Austin L.  
5846-1 Dupas Street  
Fort Hood, TX 76544

Deverill, Shane M.  
HQT, 517th CAW, 2 ID  
Unit 15141  
APO AP 96251

Dubota, Cynthia Ann  
208 Buffalo Street  
Corning, NY 14830

Erker, Michele K.  
D Co, 32d An. Regt., Unit 15431  
APO AP 96257

Fellows, L. Scott  
4507-1 Wolford Street  
Fort Riley, KS 66442

Flewelling, Raymond  
12283 W. Dakota Drive  
Laweswood, CO 80228

Francesconi, Michael J.  
310 S. Box 7891  
Fort Rucker, AL 36382

Galney, Thomas K.  
Washington DC Chap VP Mem  
530-B Forney Loop  
Fort Belvoir, VA 22060

Godfrey, Daniel A.  
748 S. Lower Street  
Vass, NC 28394

Green, Timothy A.  
3403 Foxridge Drive  
Colorado Springs, CO 80916

Grinsell, Christian B.  
HSC 2-227 Avn.  
Unit 20195  
APO AE 09165

Harp, Patrick  
RAAF Amberly  
Unit 11017, Okay  
APO AE 96553

Hawkins, Christopher  
2106 Singletree Drive  
Clarksville, TN 37040

Hill, Jeffrey  
HHC, 7th ATC  
CMR 415, Box 3271  
APO AE 09114

Howard, Randall K.  
P.O. Box 865  
Concordia, MO 64020

Inglignoli, Joseph L.  
P.O. Box 3202  
Conroe, TX 77305

Jackson, Randy K.  
Route 1, Box 1465  
Collins, GA 30421

Jennings, James  
1219 N. 57 Place  
Fort Smith, AR 72904

Jensen, Michael P.  
1363 West Sweeney Lane  
Farmington, UT 84025

Jones, Raymond D.  
410 Bishop Avenue  
Pacific Grove, CA 93950

Kline, Robert W.  
84 5th Artillery Road  
Fort Leavenworth, KS 66027

Lankowicz, Andrew J.  
236th Medical Co (AA)  
Box 317  
APO AE 09180

Lansen, Daniel M.  
3450 Thorndike Drive  
Fayetteville, NC 28303

Lax, Thomas J.  
115 N. Harris Drive  
Fort Rucker, AL 36382

Lazzarini, Edward M.  
1941 S.W. 134 Court  
Miami, FL 33177

Lincoln, Robert W.  
1052 Hollow Road  
Marion, VA 24354

Lind, Greg A.  
6900 Twin Creek Court  
Fayetteville, NC 28314

Long, Stephen W.  
1213 Bethune Road  
Raford, NC 28376

Maraschiello, Michael F.  
403 Buckeye Lane  
Clarksville, TN 37042

McKinley, Brian E.  
HQT, 517th CAW, 2 ID  
Unit 15413  
APO AE 96251

Merritt, Layne B.  
R1, Box 52A  
Dell Rapids, SD 57022

Messall, Todd A.  
26 Edwards Street  
Fort Rucker, AL 36382

Miller, Garrett R.  
E Co, 25th Avn. Regt.  
Fort Drum, NY 13602

Miller, Michael D.  
207 Taylor  
Enterprise, AL 36330

Moreno, Kenneth G.  
221 Skyline Drive  
Daleville, AL 36322

Morris, Steven I.  
USDAO ABIDJIAN-DOS  
Washington, DC 20521

Ochocki, Mark J.  
E Co, 1st Bn. (LI)  
APO AA 34042

Pace, Alva L.  
HHC, 21st TAACOM (ACSPER)  
Unit 23203  
APO AE 09263

Paquette, Derek J.  
107 Blessing Place  
Austin, TX 78719

Phaneuf, Alan M.  
3112 Clydesdale Drive  
Clarksville, TN 37043

Phipps, Warren E Jr.  
3246-B Parsons Place  
West Point, NY 10996

Ridenour, Alvin J.  
3132 Joyce Drive  
Orlando, FL 32827

Ringlieb, Dennis  
2845 Zelds Road  
Apt. B-8  
Montgomery, AL 36108

Robertson, James M.  
D Twp, 5-17 Cav  
Unit 15038, Box 84  
APO AP 96224

Salyer, N. Allen  
121 St. George Blvd.  
No. 6-S  
Savannah, GA 31419

Sanders, Jody S.  
HHC, TFW  
Unit 24215  
APO AE 09185

Sayer, Roy L.  
2321 South 17th Street  
Leavenworth, KS 66048

Sayer, Roy L.  
HHC, 4th Brigade, 1st AD  
Unit 20194  
APO AE 09185

Schlosser, Andrew H.  
P.O. Box 42055  
Savannah, GA 31409

Schoolcraft, David E.  
1817 Rally Lane  
Harker Heights, TX 76543

Schutz, Robert R.  
3301 El Sobrante  
San Mateo, CA 94403

Schultz, Theodore S.  
1612 S. Highland Avenue  
Bloomington, IN 47401

Seltz, Stephen S.  
3359 S. Limberlost Lane  
Terre Haute, IN 47803

Singer, Vincent M.  
HPO 9-92  
G Company, 71st Trans Bn  
Fort Eustis, VA 23604

Snowden, Bradford L.  
141 Lighthouse Avenue  
Apt. 121  
Pacific Grove, CA 93950

Soldan, Alan K.  
3425 S.E. 83rd  
Brenton, KS 66409

Soler, Nancy A.  
Route 1, Box 191  
Chancellor, AL 36316

Steenon, Michael S.  
441 Tainnal Street  
Savannah, GA 31401

Switzer, Michael R.  
B Co, 1-2 Avn.  
Unit 15433  
APO AP 96257



**Templin, Roy D.**  
106 Tracy Circle  
Enterprise, AL 36330

**Tewes, Laura L.**  
MTPC 11-92  
G Company, 71st Trans Bn  
Fort Eustis, VA 23604

**Tinkler, Bobby R.**  
2111 Sifton Hill Road  
Eastley, SC 29840

**Ulah, Gregory J.**  
P.O. Box 719  
APO AP 96508

**Weaver, Michael E.**  
107 Valley View Drive  
Enterprise, AL 36330

**Woods, Kent T.**  
178B Flower Avenue, E.  
Watertown, NY 13601

**Young, Lisa V.**  
1410 New Jersey Circle  
Sanford, NC 27330

## 1st Lieutenants

**Bentley, Erskine II**  
P.O. Box 843  
Daleville, AL 36322

**Borneman, James F.**  
32 Vernon River Drive  
Savannah, GA 31419

**Carr, Michael A.**  
216 W. Bee Line Lane  
Apt. 2  
Harver Heights, TX 76543

**Davidechik, Daniel D.**  
3331 Casey Avenue  
No. 104  
Las Vegas, NV 89120

**Dean, Gary W.**  
107 Valley Drive  
Daloville, AL 36322

**Dupont, Philip A.**  
P.O. Box 620773  
Fort Rucker, AL 36362

**Eddy, Brad S.**  
Village Heights  
217 Apache Drive  
Enterprise, AL 36330

**Franklin, Benjamin J.**  
2301 Muriel Drive  
Barstow, CA 92311

**Graham, Scott A.**  
1070 Turner  
Apt. 201  
Fairbanks, AK 99701

**Henderson, Dale L.**  
9901-B Gates Street  
Fort Drum, NY 13603

**Kirstein, John L.**  
10531 Piacita Loma Verde  
Tucson, AZ 85748

**Marchant, Jason P.**  
118 Graham Street  
Fort Bragg, NC 28303

**Martin, Thomas C.**  
839 Applewood Lane  
Fayetteville, NC 28303

**Matthews, Brent R.**  
31 Endl Avenue  
Fort Rucker, AL 36362

**Mattner, Matthew E.**  
377th Med. Co. AA  
APO AP 96205

**McIntyre, Chris J.**  
603 Lincoln  
Marquette Heights, IL 61554

**Mignogna, Michael**  
65 Sherri Drive  
Challont, PA 18914

**Morelli, Mark D.**  
62 Wadsworth St., No. 22F  
Cambridge, MA 02142

**Nottingham, Sean E.**  
40 Apache Drive  
Apt. D  
Enterprise, AL 36330

**Patronis, Michael G.**  
1619 West Pensacola St.  
Apt. B-4  
Tallahassee, FL 32304

**Ratliff, William Jr.**  
68 R.C. Cloud Road  
Fort Rucker, AL 36362

**Raymond, Steven J.**  
C Co., 2nd Avn. Regt.  
Unit 15426  
APO AP 96257

**Storum, Michael J.**  
3274 Libby Lane  
Evans Mills, NY 13637

**Stephens, Jeffrey D.**  
310 Cartwright  
Fayetteville, NC 28303

**Studer, Tracy S.**  
4425 82nd St., Apt. 2270  
Lubbock, TX 79424

**Thompson, Perin K.**  
204 Salerno Road  
Fort Ord, CA 93941

**Vollmuth, Robert J.**  
4058 Cook Drive  
Clarksville, TN 37042

**Weaver, David J.**  
1862-8 Tyson Drive  
Fayetteville, NC 28303

**Zochert, Skyler M.**  
55070 Baywick Drive  
Spring, TX 77389

## 2d Lieutenants

**Alley, David W.**  
CMR 3, Box 7462  
Fort Rucker, AL 36362

**Bass, Larry E.**  
5560 Remington Point Dr.  
Walkerston, NC 27051

**Burke, Thomas E.**  
45024 Wolford Drive  
Fort Riley, KS 66442

**Cain, Marshall B.**  
2-3 Cav, Unit 28417  
Box 180  
APO AE 09182

**Chen, George E.**  
CMR 2  
Fort Rucker, AL 36362

**Clausen, Trent M.**  
203 Dahlia Court  
Killeen, TX 76542

**Cote, Christopher R.**  
1025 Reynolds Road  
Johnson City, NY 13790

**Craddock, Robb D.**  
1300 Wisteria Drive  
Florence, SC 29501

**Crawford, Richard K.**  
505 Mast Boulevard  
Apt. 414  
Savannah, GA 31406

**Culkin, David T.**  
723 Allison Avenue  
Apt. 2  
Manhattan, KS 66502

**DeCrane, Sharon E.**  
4547 Williamstown Drive  
N. Olmsted, OH 44070

**House, Michael T.**  
Troop A, 2nd Cav.  
CMR 416, Box 113  
APO AE 09140

**Lukow, Ronald G.**  
6720 Willowbrook Drive  
Fayetteville, NC 28314

**Marshall, James A.**  
86 Irwin Street  
Fort Rucker, AL 36362

**McKernan, Dennis J.**  
406 Melbourne Avenue  
Enterprise, AL 36330

**Pothamus, John A.**  
3071 Glenwood Drive  
Apt. 9C  
Enterprise, AL 36330

**Staten, Darrin E.**  
CMR 2, Box 13058  
Fort Rucker, AL 36362

**Starzmann, Gary E.**  
1610 Armour Drive  
Apt. 1B  
Leesville, LA 71446

**Van Riper, Steven G.**  
128 Gunter Lane  
Enterprise, AL 36330

**Zucaro, Richard J.**  
26 Somerset Parkway  
Daleville, AL 36322

## MW4s

**Proctor, Steven V.**  
P.O. Box 10217  
Fort Irwin, CA 92310

**Wernli, Paul W.**  
HHD 7-159 Avn. Regt.  
APO AP 96508

**APO AE 09140**

## CW4s

**Andrews, Rick F.**  
140 Da Vinci Court  
Bella Vista  
Hockessin, DE 19707

**Ashby, Randall V.**  
210 Tibet  
Apt. 1-3  
Savannah, GA 31406

**Beaver, Joe, Jr.**  
P.O. Box 3003  
NAS Glenview, IL 60026

**Burgess, Ronald E.**  
P.O. Box 73942  
Fort Bragg, NC 28307

**Conalidine, Geoffrey A.**  
28 Sonora Parkway  
Rochester, NY 14618

**Dawson, Dale E.**  
5355 Wagonmaster Place  
Boise, ID 83705

**Grubb, William W.**  
1488 Brantley Lane  
Clarksville, TN 37043

**Holmes, James K.**  
56th Avn. Co.  
Unit 29719, Box 123  
APO AE 09628

**Husband, Jimmy**  
327 Kelsey Drive  
Clarkville, TN 37042

**Johnson, Robert S.**  
105 Oxford Road  
Savannah, GA 31419

**Mayers, Ed R., Jr.**  
1104 Craig Street  
Copperas Cove, TX 76522

**Perez, Joseph**  
1902 Eisenhower  
Killeen, TX 76543

**Sparka, Michael R.**  
1305 B. Bastogne Court  
Fort Wainwright, AK 99703

**Weglaz, Joseph**  
RR 1, Box 13A1  
Castorland, NY 13620

**Welds, Jon L.**  
4257 Barrett Drive  
New Windsor, NY 12553

**White, Dennis E.**  
LSE Aviation  
PSC 88, Box 3115  
APO AE 09821

**Williams, William W.**  
4 Lewis Street  
Plymouth, MA 02360

## CW3s

**Asbell, Glenn F.**  
1901-B Seasons Avenue  
Barstow, CA 92311

**Braman, Gary D.**  
62 Endl Street  
Fort Rucker, AL 36362

**Cournoyer, Marc P.**  
125 North Harris Road  
Fort Rucker, AL 36362

**Dragon, Kelley**  
14202 Fairway Oaks  
San Antonio, TX 78217

**Keller, Ronald G.**  
C/2 Avn Regt  
Unit 15426  
APO AP 96257

**Lindsay, Steven W.**  
2030 Plantation Drive  
Apt. C-9  
Conroe, TX 77301

**Loomis, Paul A.**  
HHC's Aviation Regiment  
Unit 26417, Box 68  
APO AE 09182

**Manuel, William K.**  
P.O. Box 523  
APO AP 96508

**Marinelli, Mark**  
5680 Carter Street  
Apt. 1  
Fort Hood, TX 76544

**Mathena, Peter J.**  
A Co., 1-229th Avn  
Fort Bragg, NC 28307

**Mau, Clay A.**  
5141-1 Early Street  
Fort Riley, KS 66442

**Middleton, Brian D.**  
P.O. Box 523  
APO AP 96508

**Unit 15517**  
APO AP 96218

**Mikeaka, E.J., Jr.**  
CMR 454, Box 2516  
APO AE 09250

**Mullen, Paul R.**  
315 Hill Road  
Southern Pines, NC 28387

**Nussbaum, John W.**  
A Co., 1-2 Avn Regt  
Unit 15432  
APO AP 96257

**Reardon, James C.**  
6th Aviation Det.  
CMR 427  
APO AE 09630

**Sondag, John P.**  
710 N. Riverstone  
Conroe, TX 77304

**Statham, Stacy**  
105 Creek Court  
Enterprise, AL 36330

**Tarbin, Donald F.**  
197 Pine Mountain Road  
Clarksville, TN 37042

**Tompkins, William R.**  
501 Willow Drive  
Enterprise, AL 36330

**Walsingham, Joseph R.**  
8272 Lewis Place  
Orlando, FL 32827

**Welsh, Thomas**  
839 Applewood Lane  
Fayetteville, NC 28303

## CW2s

**Barnhill, Shannon K.**  
5584 River Street  
Lowville, NY 13367

**Chamberlin, John E.**  
209 S. Glenwood Avenue  
Orlando, FL 32803

**Chumley, Lowell C.**  
D Troop, 517 Cav  
Unit 15038, Box 185  
APO AP 96224

**Clayton, Richard W.**  
E Troop, 817 Cav  
APO AP 96220

**Conner, Dennis L.**  
377th Med Co (AA)  
Unit 15248  
APO AP 96205

**Culp, Richard L.**  
521 Andover Road  
Fayetteville, NC 28311

**Dyer, Steven G.**  
366 Reservation Road  
Apt. K-5  
Marina, CA 93933

**Evans, Jimmie Jr.**  
5462 Plateau Road  
Fayetteville, NC 28303

Foerchler, Dale L.  
P.O. Box 74000  
Fort Bragg, NC 28307

Frye, Jerry W.  
549 Auburndale Lane  
Fayetteville, NC 28314

Hardy, Michael W.  
6036 Harmon Place  
Fayetteville, NC 28307

Hosmer, Dennis E.  
51 Eason Hill Road  
Cedarzowen, GA 30125

Jewell, William O.  
243 N. Reilly Drive  
Fayetteville, NC 28311

Kinn, Daniel D.  
101 W Central Texas Expwy  
No. 1912  
Killeen, TX 78541

Lewis, David K.  
1429 Gill Street  
Apt. 4458  
Watertown, NY 13601

May, Robert G.  
204 Weatherstone Drive  
Apt. 301  
Fayetteville, NC 28311

Meyer, John P.  
W 1314 N 5 Mile Road  
Spokane, WA 99208

Nash, Jon A.  
40720 Carmelita Circle  
Temecula, CA 92390

Powell, Daniel C.  
301 Aachen Road  
Fort Ord, CA 93941

Rayle, Keith E.  
Corpus Christi Army Depot  
Stop 39, SDSCC-QMF FDOOO  
Corpus Christi, TX 78419

Rosa, Everett W.  
19 Andrews Drive  
Daleville, AL 36322

Rosser, William P.  
236 MD Co, (W064AA)  
APO AA 09180

Sullivan, Martin O.  
2 Johnny Mervin Blvd.  
Apt. 611  
Savannah, GA 31410

Susag, Jeffrey T.  
8555 Sassafras Drive  
Colorado Springs, CO 80920

Zanghi, Michael L.  
594 Britton Road  
Rochester, NY 14616

## WO1s

Carson, Michael T.  
2179 Boyer Circle  
Evans Mills, NY 13637

Dadswell, Martin P.  
3389 Oak Park Drive  
Clarksville, TN 37042

Diaz, Scott C.  
3717 D McCormack Road  
Wahawha, NJ 08786

Dougherty, James J.  
C Troop, 517 Cavalry  
Unit 15037  
APO AP 98224

Eyre, Tait L.  
763 East 620 North, No. 305  
Provo, UT 84606

Green, Phillip A.  
HHC 1-229th Avn  
Fort Bragg, NC 28307

Hahn, Edmund L.  
6121 Waters  
Fort Bliss, TX 79906

Hamm, Eric L.  
66-303 Haleiwa Road  
Apt. 605  
Haleiwa, HI 96712

Hickman, Daniel J.  
21 Beaver Run Drive  
Savannah, GA 31419

Houska, Howard  
9430 Parkland Drive  
St. Louis, MO 63126

James, Jeffrey A.  
1524 Werner Park  
No. A  
Fort Campbell, KY 42223

Kellogg, Michael S.  
601 Dandridge Court  
Fayetteville, NC 28303

Kime, Edward C.  
4824-B South P Street  
Fort Smith, AR 72903

Martins, Marques A.  
703 Morris Avenue  
Apt. 4A  
Bronx, NY 10451

Mattson, Martin E.  
B Co, 1-229th Avn  
Fort Bragg, NC 28307

Mrazak, Tom L.  
371 Ardennes Circle  
Fort Ord, CA 93941

Oilphant, James M.  
774½ Edgeland Way  
Fayetteville, NC 28303

Perez, Blarwendio  
2209 Horse Chestnut Place  
Fayetteville, NC 28304

Schlottemmer, David J.  
8 Diandy Road  
Bourne, MA 02532

Smith, Bernard H.  
1912 Swann Street  
Fayetteville, NC 28303

Soto, Guillermo  
300 Stewart Lane  
Sackets Harbor, NY 13685

Vandevander, Scott L.  
HHC, 2/3 Avn, Regt.  
Unit 26417, Box 205  
APO AE 09182

## WOcs

Boutineau, William F.  
4130 Pebble Ridge Circle  
Apt. 15  
Colorado Springs, CO 80906

Darlington, Kenneth R.  
2303-B Anderson Avenue  
Manhattan, KS 66502

Diederich, Laurie C.  
Bldg. 119, Suite 613  
Fort Rucker, AL 36382

Jones, Jr., Lee J.  
CMR 2, Box 12786  
Fort Rucker, AL 36382

Leary, Jr., Daniel F.  
507 Briarwood  
Apt. 11C  
Enterprise, AL 36330

Shumway, Mark E.  
CMR 2, Box 12862  
Fort Rucker, AL 36382

Sims, John B.  
A Co, 2501st Avn.  
Unit 15210  
APO AP 98271

Thomas, Troy W.  
11 Olsen Lane  
Fort Rucker, AL 36382

Tilley, Jason D.  
CMR 2  
Fort Rucker, AL 36382

## CSMs

Dartez, Raymond P. CSM  
HHC Avn Bde  
Unit 15438  
APO AP 98257

Ehrke, Roger J. CSM  
Hanau Chapter VP Enl Afr  
HHC 4th Bde, Unit 20194  
APO AE 09155

LI, Hans E. CSM  
HHT, CAB (AA)  
1st Cav. Div.  
Fort Hood, TX 76545

Moore, Ronald L. CSM  
Army Avn Cen Chap VP Enl  
19 Nininger Street  
Fort Rucker, AL 36382

## SGMs

Wessel, Richard D. SGM  
105 Pondella Drive  
Enterprise, AL 36330

## 1SGs

Brown, Lawrence E. 1SG  
A Co, 1-229th Avn  
Fort Bragg, NC 28307

## MSGs

Gustafson, Gary O. MSG  
317 Barnett Drive  
Edwardsville, IL 62025

## SSGs

Dvorsky, Ronald W. SSG  
182 Paddon Place  
Marina, CA 93933

Hernandez, E. SSG  
42 Joyce Road  
Hartsdale, NY 10530

Johnston, Becky L. SSG  
H/3 Avn, Regt.  
Unit 29630  
APO AE 09096

Lockhart, Rose L. SSG  
130 Leahardy Drive  
Savannah, GA 31405

McDuffy, Raymond SSG  
5875B Woodlawn Gable Dr.  
Alexandria, VA 22309

## Specialists

Allen, Thomas R. SPC  
A Co, 6/101st Avn. Regt.  
Fort Campbell, KY 42223

Levesque, Paul A. SPC  
Minuteman Chapter VP Ren  
373 White Street  
Springfield, MA 01103

Musick, Larry J. SPC  
B Co, 224th MI BN (AE)  
Hunter Army Airfield, GA 31409

Stalla, John F. SPC  
1393 Beethoven Drive  
Westlake, OH 44145

## DACs

Barrera, Mary V. Mrs.  
913 Ronald  
Corpus Christi, TX 78412

Garcla, Cynthia Ms.  
6233 Hanley Drive  
Corpus Christi, TX 78412

Gentry, C. Patrick Mr.  
P.O. Box 1647  
Killeen, TX 76540

George, William S. Mr.  
106 Morningside Drive  
Warner Robins, GA 31088

Gonzalez, Amanda Mr.  
1141 Manchester Ave.  
Corpus Christi, TX 78407

Gutierrez, Luis Mr.  
4201 Western Drive  
Corpus Christi, TX 78410

Henson, Paul M. Mr.  
4901 Mango Drive  
Corpus Christi, TX 78411

Herrera, Olga Ms.  
538 Rosemary Street  
Corpus Christi, TX 78418

Hicks, Darrell T. Mr.  
CMR 422, Box 906  
APO AE 09274

Howe, Rex I. Mr.  
324 Bellanca Road  
Brick, NJ 08723

Johnston, Larry D. Mr.  
394 Pebble Acres Drive  
St. Louis, MO 63141

Lavelle, Anthony E. Mr.  
332 Halcyon Drive  
St. Louis, MO 63122

Leao, Gilberto Mr.  
7625 Caribou Drive  
Corpus Christi, TX 78414

Leao, Yolanda Ms.  
P.O. Box 730773, Apt. B  
Corpus Christi, TX 78427

Long, Judy E. Mr.  
6404 Whitesburg Drive  
Huntsville, AL 35802

Martinez, Raul M. Mr.  
1341 Devon Drive  
Corpus Christi, TX 78415

Mattingly, Don G. Mr.  
6 Cedar Glade, F  
Eureka, MO 63025

McCravy, William A. Mr.  
746 Chazy Drive  
Corpus Christi, TX 78412

Pineda, Corina Ms.  
2848 Waldron Road  
No. 301  
Corpus Christi, TX 78418

Suever, William H. Mr.  
6114 Hastings Circle  
Corpus Christi, TX 78414

Walker, Charles F. Mr.  
82033 Hanley Drive  
Corpus Christi, TX 78412

## Civilian

Barnett, Miles T.  
Hilton Systems, Inc.  
13801 Riverport, Ste. 303  
Maryland Heights, MO 63043

Bartn, John A.  
Hilton Systems, Inc.  
13801 Riverport, Ste. 303  
Maryland Heights, MO 63043

Cleary, Michael M.  
10518 Tee Court  
Fountain Hills, AZ 85268

Cronin, Edward P.  
3810 Harmony Lane  
Bridgeton, MO 63044

Danielson, Jack  
4466 Dubois Crossing  
Marietta, GA 30066

Dolan, Francis A.  
8085-H Caminito De Pizza  
San Diego, CA 92108

Eger, William B.  
4 Daleville Hts.  
Daleville, AL 36322

Gevers, Laure Marie  
1100 Redman Avenue  
St. Louis, MO 63138

Handley, Robert M.  
600 Six Flags Drive  
Suite 200  
Arlington, TX 76011

Hathaway, Edward N.  
8283 Greensboro Drive  
McLean, VA 22102

Henson, Alice L.  
4901 Mango Drive  
Corpus Christi, TX 78411

Horvath, Leroy L.  
Hilton Systems, Inc.  
13801 Riverport, Ste 303  
Maryland Heights, MO 63043

Hyde, Tommy E.  
4242 Claremont Drive  
Grand Prairie, TX 75052

Indelicato, John G.  
Hilton Systems, Inc.  
13801 Riverport, Ste 303  
Maryland Heights, MO 63043

McConnell, Lewis J.  
181 Columbine Drive  
Bishop, CA 93514

McLaughlin, John A.  
Hilton Systems, Inc.  
13801 Riverport, Ste. 303  
Maryland Heights, MO 63043

Mergenovich, Shirley A.  
230 Bitterwood Street  
Baltwin, MO 63021

Pittman, John S.  
4448 Cloverdale Road NE  
Cedar Rapids, IA 52402



**Rockway, Kathleen R.**  
Hilton Systems, Inc.  
13801 Riverport, Ste 303  
Maryland Heights, MO 63043

**Wade, Michael R.**  
Taleynie Cont. Motors  
76 Getty Street  
Muskegon, MI 49442

**Wilde, John L.**  
1695 Maple Ridge Drive  
Sewanee, GA 30174

**Wolaki, Jerry**  
Kaydon Corporation  
P.O. Box 688  
Muskegon, MI 49443

**Yarmie, Alexander J.**  
13304 119th Avenue N.E.  
Kirkland, WA 98034

**Yates, Leonard E.**  
3471 Jarvis Road  
Hilaboro, MO 63050

## Retired/Other

**Aguanno, Edwin M. MG**  
1709 Montalia Lane  
Vienna, VA 22182

**Bishop, Gary L. MAJ**  
3545 Waters Cove Way  
Alpharetta, GA 30202

**Brown, Edward C. LTC**  
P.O. Box 21034  
Bradenton, FL 34203

**Butland, Edward R. USG**  
199 Powell Avenue  
Springfield, MO 01118

**Conaway, Bruce COL**  
Northpoint Training Ctr.  
P.O. Box 479/D4/No. 99942  
Burgin, VA 40310

**Croft, Daniel A. LTC**  
214 Killington Way  
Orlando, FL 32835

**Crotty, Howard R. CW4**  
1302 Mildred Lane  
Benbrook, TX 76126

**Daneker, John G. CW4**  
14 Oakmont Circle  
Ormond Beach, FL 32174

**Gile, Richard E. LTC**  
185 1st Street  
Destin, FL 32451

**Henry, Edwin H. COL**  
2720 Palmer Drive  
Apt. B6  
Gulport, MS 39507

**Henry, Terence M. BG**  
701 Pelican Bay Drive  
Daytona Beach, FL 32119

**Holder, James D. MSG**  
Route 8, Box 34, No. 79  
Lubbock, TX 79407

**Kavanaugh, Timothy J. CW4**  
17 Woodbridge Lane  
Cromwell, CT 06416

**Kellam, Edwin E. LTC**  
Rt. 1  
Three Rivers, TX 78071

**Lam, John R., Jr. LTC**  
714 Harkness Avenue  
Manhatten Beach, CA 90266

**Miller, Barry W. LTC**  
2315 La Crosse Street  
La Crosse, WI 54601

**Neuhaus, Peter J. LTC**  
501 Avn. Land Headqtrs.  
Victoria Bks, Paddington  
NSW 2021, Australia

**Nutt, William E. COL**  
Lockheed Aircraft Soc. Co  
1800 E. Pioneer Pky, Ste 440  
Arlington, TX 76010

**Ostberg, Gary L. CW4**  
12302 131st St. Circle S.  
Hastings, MN 55033

**Pixton, Marvin F. MR**  
8113 Creekview Drive  
Springfield, VA 22153

**Poore, Richard T. COL**  
1104 Colonial Avenue  
Nortfolk, VA 23507

**Przedpelski, Z. J. COL**  
24 Quartermaster  
Salem, SC 29676

**Ramirez, Rudy A. -SFC**  
13 St. Moritz Court  
Savannah, GA 31419

**Sparia, Guido 1SGT**  
Holunder Weg 9  
Fassberg, W Germany 3105

**Vavroch, Greg L. Mr.**  
429 Casemold Drive  
Brookhaven, PA 19015

**Velasquez, Jose G. LTC**  
2007 Flagstone, No. 407  
Madison, AL 35758

**Westmoreland, Van D. CW4**  
2025 Alawal Boulevard  
Apt. PH2  
Honolulu, HI 96815

**White, Ian P. LTC**  
British Liaison Officer  
USA-AVIC  
Fort Rucker, AL 36362

**Wozniak, Leon S. 1SG**  
6201 Beshire Drive  
Baltimore, MD 49306

**Wulff, Roy A. COL**  
1759 Springhill Avenue,  
Apt. 210  
Mobile, AL 36607

# MARKETPLACE

The **MARKETPLACE DIRECTORY** is a reference guide that offers **ARMY AVIATION** readers easy access to the products and services they need most. Listings are sold on a semi-annual or annual basis at the rates outlined below.

**RATES:** Marketplace: First, Second, Third & Fourth Line (Company Name, Address, Telephone Number & Message): \$250/semi annual. Additional lines: \$50/semi-annual. Box Listing: \$500/semi-annual per column inch. Inclusion of artwork is subject to approval and may involve additional charges. Classified: First Three Lines: \$60; Additional Lines: \$20 per line. For further information, contact **ARMY AVIATION**,

49 Richmondville Avenue, Westport, CT 06880 (Telephone: 203-226-8184; FAX: 203-222-9863).

**CH-47D MAINTENANCE TRAINING --** Boeing Helicopters is now offering a Total Maintenance Training Program at our factory Training Center in Philadelphia, PA. Courses provide our CH-47 customers with a low-cost, responsive alternative for CH-47 sustainment update training. For a free catalog and price listing, contact R. Nell, Boeing Helicopters, PO Box 16858, MS P38-43, Philadelphia, PA 19142, (215) 591-8744.



## ARMY AVIATION ASSOCIATION OF AMERICA (AAAA)

49 RICHMONDVILLE AVE., WESTPORT, CT 06880 • PHONE: (203) 226-8184 • FAX: (203) 222-9863

Please check one:  Change of Address;  New Membership Application

I wish to join the Army Aviation Association of America (AAAA). My past or current duties affiliate me with U.S. Army Aviation and I wish to further the aims and purposes of the AAAA. I understand that my membership includes a subscription to the AAAA-endorsed magazine "Army Aviation" and that my membership will start on the subsequent first of the month. Contributions or gifts to AAAA are not deductible as charitable contributions for federal income tax purposes. Dues payments are deductible by members as ordinary and necessary business expenses.

Rank/US Grade \_\_\_\_\_ First Name \_\_\_\_\_ MI \_\_\_\_\_ Last Name \_\_\_\_\_ Sex \_\_\_\_\_

Mailing Address \_\_\_\_\_

Mailing Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip + 4 Code \_\_\_\_\_

Active Duty or Civilian Job Title and Unit or Firm Name \_\_\_\_\_

Area Code \_\_\_\_\_ Office Phone \_\_\_\_\_ Area Code \_\_\_\_\_ Residence Phone \_\_\_\_\_

Consent:  I do  I do not consent to the publication or release of the above information to third parties.

Signature \_\_\_\_\_ Date \_\_\_\_\_

Nickname \_\_\_\_\_ Spouse's Name \_\_\_\_\_

Date of Birth (Mo/Yr) \_\_\_\_\_ Social Security No. \_\_\_\_\_

### AAAA ANNUAL DUES

Applicants other than those listed below:

( 11 yrs, \$21; ( 12 yrs, \$39; ( 13 yrs, \$57

Full Time Students; Enlisted; WOCs; GS-8 DACs & Below;

Wage Board 12 DACs & Below:

( 11 yr, \$14; ( 12 yr, \$29; ( 13 yrs, \$36

Add \$5 per year if you have a foreign, non-APO address.

Add \$15 if your check is drawn on a foreign bank.

Check enclosed payable to "AAAA" or charge to:

AMEX  Diners Club  Mastercard  Visa

Card No. \_\_\_\_\_

Am't \$ \_\_\_\_\_ Exp. Date \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Check (✓) Your Professional Qualification:

( ) Army Active Duty ( ) US Defense Industry

( ) US-1000 Civilian ( ) Consultant

( ) Army Part Guard ( ) Publishing/Other Ind.

( ) Army Reserve ( ) Foreign Military Service

( ) Army Retired ( ) Foreign Defense Industry

( ) Other US Military Service ( ) Other \_\_\_\_\_

Are you a former AAAA member?  Yes  No

If yes, what year did you join? \_\_\_\_\_

Chapter Affiliation Preferred \_\_\_\_\_

Print Name of Reciter \_\_\_\_\_

# AAAA Gifts for the Holidays!

As a service to active AAAA members, the AAAA National Office maintains an inventory of souvenir and gift items. To place your order, please complete and return this request to the AAAA National Office at 49 Richmondville Avenue, Westport, CT 06880-2000. Please print clearly or type all information. All orders must be prepaid. Please do not send cash. Please allow six to eight weeks for delivery. If you have any questions or require additional information, please feel free to call the AAAA National Office at (203) 226-8184.

① Please complete the information below:

Name \_\_\_\_\_

Mailing Address \_\_\_\_\_

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

Office Telephone (\_\_\_\_) \_\_\_\_\_ Home Telephone (\_\_\_\_) \_\_\_\_\_

② Is this for Chapter use?  Yes  No If yes, Chapter Name \_\_\_\_\_

③ Items Requested:	Quan.	Unit	Unit	Unit	Total
		Price	Price	Price	
		1-10	11-20	21+	
Cap w/Embroidered AAAA logo	_____	\$8.75	\$7.25	\$6.60	\$ _____
Coasters (Set of 4)	_____	\$2.00	\$1.55	\$1.45	\$ _____
Coffee Mug	_____	\$5.35	\$4.45	\$4.00	\$ _____
Coin	_____	\$1.50	\$1.25	\$1.15	\$ _____
Decal 4 inch	_____	\$.30	\$.25	\$.20	\$ _____
Decal 12 inch	_____	\$4.75	\$4.00	\$3.75	\$ _____
Flashlight	_____	\$4.00	\$3.50	\$3.00	\$ _____
Golf Balls (Set of 3)	_____	\$5.00	\$4.75	\$4.50	\$ _____
Key Chain	_____	\$2.75	\$2.25	\$2.15	\$ _____
Manicure Sets	_____	\$5.75	\$4.85	\$4.50	\$ _____
Medallion 3 inch	_____	\$7.25	\$6.00	\$5.50	\$ _____
Patch w/4-color AAAA logo	_____	\$2.75	\$2.25	\$2.15	\$ _____
Plaque 6 inch x 8 inch Walnut w/Medallion	_____	\$10.00	\$8.25	\$7.75	\$ _____
T-Shirt: Circle S,M,L,XL	_____	\$6.85	\$5.75	\$5.25	\$ _____
Wine Glass, 50th Anniv.	_____	\$6.00	\$5.00	\$4.60	\$ _____

PAYMENT METHOD: Total Merchandise Price \$ \_\_\_\_\_  
 (Credit Card orders—Min. \$20.) CT Residents—8% Sales Tax \$ \_\_\_\_\_  
 MasterCard  VISA Shipping & Handling (See Chart) \$ \_\_\_\_\_  
 AMEX  Diners Club  Check TOTAL \$ \_\_\_\_\_

Card Number \_\_\_\_\_ Exp. Date \_\_\_\_\_

Your Signature \_\_\_\_\_

## SHIPPING & HANDLING CHART

	U.S./Canada	Overseas		U.S./Canada	Overseas
Up to \$4.99	\$1.25	\$2.25	\$40.00—59.99	\$6.00	\$15.00
\$5.00—9.99	\$2.75	\$5.25	\$60.00—79.99	\$7.50	\$18.00
\$10.00—19.99	\$3.25	\$8.25	\$80.00—99.99	\$9.00	\$21.00
\$20.00—39.99	\$4.75	\$12.00	\$100.00 or More	\$12.00	\$24.00





# 50 YEARS OF ARMY AVIATION

## Special Orders No. 12

### HEADQUARTERS

Field Artillery School  
Fort Sill, Oklahoma

January 15, 1942

SPECIAL ORDERS:  
NO 12:

EXTRACT

10. Under authority granted by paragraph 6, letter OCFA dated December 23, 1941, subject "Air Observation", the persons below are, each with his own consent, designated as pilots for the purpose of flying light observation aircraft operated by the Field Artillery. The military personnel, though participating regularly and frequently in aerial flights, are not entitled to flying pay.

#### Pilot Instructors

Lt Col WILLIAM W. FORD, O-12667, F.A.  
Mr. RICHARD M. ALLEY  
Mr. LLOYD M. DAMRON  
Mr. EDWARD DRAPELA  
Mr. JOE L. MESSINA  
Mr. THOMAS F. PIPER  
Mr. ALANSON RAWDON  
Mr. T. F. SHIRMACHER  
Mr. H. S. WANN  
Mr. STANFORD J. STELLE

Director of Air Tng  
Chief Fit Instr  
Fit Instr  
Fit Instr  
Fit Instr  
Fit Instr  
Fit Instr  
Fit Instr  
Supt of Mount

#### Student Pilots

Major GORDON J. WOLF  
Captain ROBERT M. LEICH  
1st Lt F. H. COUNE, JR.  
1st Lt EDWIN FREDERIC HOUSER  
1st Lt PAGET W. THORNTON  
1st Lt ROBERT R. WILLIAMS  
2nd Lt LLOYD M. BORNSTEIN  
2nd Lt DELBERT L. BRISTOL  
2nd Lt MARION J. FORTNER  
2nd Lt STEVE E. WATCH  
2nd Lt BERT LAMERLE JACO  
2nd Lt CHARLES W. LEFEVER  
2nd Lt ROBERT RUSH  
2nd Lt BRYCE WILSON

O-225015  
O-258194  
O-338555  
O-330734  
O-326311  
O-22962  
O-423354  
O-386551  
O-415317  
O-416401  
O-300098  
O-409406  
O-318541  
O-364893

F.A.  
F.A.  
F.A.  
F.A.  
F.A.  
F.A.  
F.A.  
F.A.  
F.A.  
F.A.  
F.A.  
F.A.

Sergeant ALWIN R. HACKBARTH: 20653487, Btry C, 121st F.A., Camp Livingston, La.  
Sergeant JAMES W. HILL, JR., 34026570, Hq 1st Bn, 179th F.A., Camp Blanding, Fla.  
Sergeant JOSEPH E. MCDONALD, 20817060, Serv Btry, 2nd Bn, 133rd F.A., Camp Bowie, Texas.  
Sergeant JOHN S. SARKO, 20651424, Hq Btry, 120th F.A., Camp Livingston, La.  
Sergeant JACK K. SVITZER, 20316559, Hq Btry, 1st Bn, 109th F.A., Indiantown Gap Military Reservation, Pa.  
Corporal ROBERT M. FORD, 38050577, Hq Btry, 2nd Bn, 133rd F.A., Camp Bowie, Texas.  
Corporal THOMAS M. SKELLY, 20314874, Hq Btry, 1st Bn, 108th F.A., Indiantown Gap Military Reservation, Pa.  
Corporal ROBERT E. SPAULDING, 20322468, Hq Btry, 1st Bn, 190th F.A., Camp Shelby, Miss.  
Corporal ROBERT W. DONOVAN, 37021811, F.A.S. Det (White), Fort Sill, Okla.  
Pvt 1cl CHARLES D. HOFFMAN, 37022621, Btry E, 125th F.A., Camp Claiborne, La.  
Pvt 1cl WAYNE D. VAN HUSS, 36023418, Hq Btry, 54th F.A., 12th Tng Regt., F.A.R.T.C., Camp Roberts, Calif.  
Private JOHN J. ADKINS, 37119374, Btry E, 32nd Bn, 8th Tng Regt., F.A.R.T.C., Fort Sill, Okla.  
Private FRANKLIN LEE CLARK, 33121241, Btry B, 12th Bn, 4th Tng Regt., F.A.R.T.C., Fort Bragg, N. C.  
Private ROLAND J. COUTURE, 31012966, Btry D, 172nd F.A., Camp Blanding, Fla.  
Private RAYMOND A. GEARHARD, 33115470, Btry C, 8th Bn, 3rd Tng Regt., F.A.R.T.C., Fort Bragg, N. C.  
Private WINSTON W. JOHNSON, 34072013, Hq Co., 973rd Tank Destroyer Bn, Camp Shelby, Miss.  
Private ROBERT S. LEE, 32095675, Btry B, 7th Obsn Bn, Fort Bragg, N. C.  
Private CLYDE CLOE LOVE, JR., 35171340, Btry D, 8th Bn, 3d Tng Regt., F.A.R.T.C., Fort Bragg, N. C.  
Private WILLIAM RANDOLPH MATHEWS, JR., 6284169, Hq Btry, 2nd Inf Div Art., Fort Sam Houston, Texas.  
Private RICHARD O. PALMER, 14051413, Btry B, 12th Bn, 4th Tng Regt., F.A.R.T.C., Fort Bragg, N. C.  
Private GERALD P. UECKER, 37119360, Btry E, 27th Bn, 7th Tng Regt., F.A.R.T.C., Fort Sill, Okla.

X X X

By command of Brigadier General ALLIN:

H. McK. ROPER,  
Lt Col, F.A.,  
EXECUTIVE.

OFFICIAL:

D. L. DUNLAP  
1st Lt, 18th F.A.,  
ASSISTANT SECRETARY.

Five months before the official birth of Army Aviation, and barely a month after Pearl Harbor, Special Orders No. 12 was issued. This order created the first group of organic Field Artillery Army Aviators which has come to be known as the "Class Before One". Consisting of the 14 officers and 21 enlisted men listed at right, who had already earned their private pilot licenses in civilian life, the group began training at 0730, 15 January 1942 on Post Field, Ft. Sill, OK.

After the conclusion of the first phase of training on 28 February, Flight A proceeded to Ft. Bragg, NC (and later Ft. Blanding, FL) and Flight B to Ft. Sam Houston, TX for field trials. This "Class Before One" proved the feasibility of organic Field Artillery Army Aviation and laid the foundation for the subsequent establishment of the Department of Air Training at Ft. Sill on 6 June 1942, the official birthday of Army Aviation.

# AN INTEGRATED TOTAL SYSTEMS APPROACH TO NTH TRAINING

Grumman Corporation, Schweizer Aircraft and UNC Aviation Services, all experienced leaders in military training, have teamed to offer the Army a custom-tailored, total systems approach to entry level training with the Model TH-330 helicopter.

The TH-330's innovative design is manprint tailored and optimized for the training environment.

It is purpose-designed to meet all of the requirements of the U.S. Army's NTH helicopter and at a significant savings in both acquisition and life cycle costs.

Like its predecessors, the TH-55 and TH-300C, the Model TH-330 is an exceptional primary training helicopter with outstanding performance and handling characteristics, high reliability, and low maintenance requirements.

The Grumman, Schweizer, UNC Integrated Total Systems Approach guarantees the Army unparalleled levels of experience in program management, tailored systems design, training, and logistics.

This combination makes the TH-330  
**THE CHOICE** for NTH.



**GRUMMAN**<sup>™</sup>

**Schweizer**  
Schweizer Aircraft Corp.

**UNC**  
THE AVIATION COMPANY





**AIR ASSAULT CHAPTER  
FORT CAMPBELL, KY**

SPC Russell A. Dernaio  
MAJ James W. Kelton  
MAJ Christine B. Knighton  
CW2 Nathan S. Rud  
1LT Robert J. Vollmuth

**ALOHA CHAPTER  
HONOLULU, HI**

1SG Joaquin D. Munis  
SSG Kenneth D. Stephenson

**ARMY AVN CENTER CHAPTER  
FORT RUCKER, AL**

CPT(P) Thomas D. Beato  
1LT Erskine Ramsey Bentley II  
CW2 Ronald W. Bryant  
WOC John M. Burdick  
CPT Francis O. Butler  
2LT George E. Chew  
CPT James J. Connelly  
2LT Patrick R. Cook  
2LT Christopher H. Curtis  
1LT Gary W. Dean  
1LT Brad S. Eddy  
2LT Daniel Friend  
2LT Joseph F. Ganst  
2LT Robert A. Grubbs  
2LT Mark D. Hoyne  
2LT William D. Jackson  
2LT Laura L.R. Jones  
WOC Lee J. Jones, Jr.  
WOC Jonathan P. Kozick  
WOC Daniel F. Leary, Jr.  
CW3 Mark Marinello  
CPT Patrick H. Mason  
1LT Chris J. McIntyre  
2LT Dennis J. McKernan  
2LT Terry A. Meyer  
CPT Michael D. Miller  
CSM Ronald L. Moore  
1LT Sean E. Nottingham  
2LT John A. Potham  
1LT William L. Ratuff, Jr.  
2LT Anthony J. Sieber  
2LT Darrin E. Staten  
Mr. Jason D. Tiley  
CPT Vincent L. Varnoorbeck  
2LT Steven G. Van Riper  
WOC Jerry (Wayne) Wack, Jr.  
SGM Richard D. Wessel  
1LT Ian P. White  
2LT Leslie S. Wilcox  
2LT Richard J. Zucaro

**CHESAPEAKE BAY CHAPTER  
EDGEWOOD, MD**

CW2 David A. Ford

**COLONIAL VIRGINIA  
CHAPTER  
FORT EUSTIS, VA**

Mr. Richard A. Brown  
Mr. William E. Etheridge  
CPT Neal O. Freeman  
Mr. Manuel A. Haller  
Mr. Howard Hudson  
Mr. Harland Roberts III  
Mr. Stan J. Wasick

**CONNECTICUT CHAPTER  
STRATFORD, CT**

CW4 Timothy J. Kavanagh, Ret.

**CORPUS CHRISTI CHAPTER  
CORPUS CHRISTI, TX**

Mrs. Mary Barnera  
Mrs. Hilda M. Berlanga  
Mr. Ruben S. Bernat  
Ms. Molly L. Burdette  
Ms. Charlene J. Cooper  
Mr. Tim A. Cooper  
Ms. Celsa M. Emery  
Mr. James A. Fulton  
Mr. Amanda Gonzalez  
Mr. Luis Gutierrez, Jr.  
Ms. Alice L. Henson  
Mr. Paul M. Henson  
Ms. Olga Herrera  
Ms. Kathy F. Hooge  
Mr. Daniel Leat  
Ms. Maria G. Leal  
Mr. Gilberto Leos  
Ms. Yolanda Leos  
Mr. Paul M. Martinez  
Mr. William A. McCravy  
Mr. Richard O. Menalee  
Mr. David H. Middour  
Ms. Corina Pineda  
CW2 Keith E. Rayle  
Mr. Joe Rodriguez  
Mr. Armando Sandoval  
Ms. Joanne E. Spansky  
Ms. Edna G. Spongston  
Ms. Deborah J. Uhlenhaker  
Mr. Jose F. Ybarra

**DELAWARE VALLEY CHAPTER  
PHILADELPHIA, PA**

CW4 Rick F. Andrews  
Mr. George T. DeCicco  
LTC Clinton E. Palmer  
Mr. Greg L. Vavroch

**GREATER ATLANTA CHAPTER  
ATLANTA, GA**

Mr. Joseph L. Brooks  
Mr. John L. Wilde

**GREATER CHICAGO AREA  
CHAPTER  
CHICAGO, IL**

CPT John S. Gutierrez

**HANAU CHAPTER  
HANAU, GERMANY**

CSM Roger J. Ehrke

**HIGH DESERT CHAPTER  
FORT IRWIN, CA**

CW3 Glenn F. Asbell

**INDIANTOWN GAP CHAPTER  
INDIANTOWN GAP, PA**

SFC Ronald J. Skamanich

**IRON MIKE CHAPTER  
FORT BRAGG, NC**

CPT Tim S. Eyster  
WO1 Bienvenido Perez, Jr.  
WO1 Gary S. Retzlaff, Jr.

**ISTHMIAN CHAPTER  
FT. CLAYTON, PANAMA**

SGT Jay R. Adams  
CW2 Kent T. Sapp

**JACK H. DIBRELL (ALAMO)  
FORT SAM HOUSTON, TX**

SGT Quinton A. Burrough  
CW3 Kelley Dragon

**LEAVENWORTH CHAPTER  
FORT LEAVENWORTH, KS**

MAJ Walter H. Frederick, III  
CPT Wayne A. Sauer

**LINDBERGH CHAPTER  
ST. LOUIS, MO**

Mr. Edward P. Cronin  
Ms. Laura Marie Gevers  
Mr. Don G. Mattingly  
Ms. Shirley A. Mergenovich  
MAJ Kenneth A. Vining  
Mr. Leonard E. Yates

**MINUTEMAN CHAPTER  
WESTOVER AFB, MA**

1SG Dennis M. Asaro  
1SG Edward R. Bullard, Ret.  
SGT Robert K. Edgley, III  
MG Chester E. Gorski, Ret.  
SPC Paul A. Levesque  
WO1 David J. Schlottermier  
MAJ Ronald G. Senez  
1LT Mark A. Thibodeau

**MONMOUTH CHAPTER  
FORT MONMOUTH, NJ**

SSG James M. Bodine  
Mr. Rex I. Howe  
Mr. Robert D. Payton  
Mr. Terry D. Porter

**MONTEREY BAY CHAPTER  
FORT ORD, CA**

CW3 Charles A. Bailey, Ret.  
1LT Keith A. Rial  
1LT Perin K. Thompson

**MORNING CALM CHAPTER  
SEOUL, KOREA**

MAJ Jay R. Burns  
CW2 Lowell C. Chumrny  
MSG Chester W. Clay  
CW2 Richard W. Clayton  
CW2 Dennis L. Conner  
CSM Raywood P. Dartz  
CPT Richard J. Everson  
CW3 Ronald G. Keller  
CW3 John W. Nussbaum

MAJ Wesley D. Potter  
LTC Fredrick A. Reisinger  
CPT Albert E. Richard  
CPT Rodney Smith  
SPC Dwight D. Stinson  
CPT Michael D. Unrekeroff

**NORTH COUNTRY CHAPTER  
FORT DRUM, NY**

CW2 Shannon K. Barnhill  
CPT Duane E. Brucker  
SGT Christopher M. Davis  
1LT Dale L. Henderson  
SGT Remie J. Kiebert  
CW2 David K. Lowes  
CW3 Michael E. Nelson  
1LT Michael J. Stocum  
CW2 Joseph B. Whipple  
CPT Kent T. Woods

**NORTH TEXAS CHAPTER  
DALLAS/FORT WORTH**

CW4 Howard R. Crotty, Ret.  
Mr. Robert M. Handley  
Mr. Tommy E. Hyde

**OLD TUCSON CHAPTER  
MARANA, AZ**

MAJ R.E. Lee Allen  
SGT James R. Ashworth III

**PHANTOM CORPS CHAPTER  
FORT HOOD, TX**

LTC Richard B. Ledbetter  
MAJ Patrick McMahon

**ROCHESTER CHAPTER  
ROCHESTER, NY**

CW4 Geoffrey A. Coscine  
SGT Hal E. Fellows  
MAJ Chris E. Holliday  
CW2 Michael L. Zanghi

**SAVANNAH CHAPTER  
FT STEWART/HUNTER AAF, GA**

CW4 Randall V. Ashby  
Mr. Carlton Bailitt, Jr.  
MG Paul E. Blackwell  
1LT James F. Borneman  
COL Jose A. Castriello, Ret.  
2LT Richard K. Crawford  
CW2 Robert J. Cummings  
BG Joseph E. De Francesco  
2LT Thomas W. Dollinger  
CSM Sean R. Gosine  
CW2 John M. Harris  
CDT Michael D. Harvey  
1SG Melvin K. Haynes  
WO1 Daniel J. Hickman  
CW3 Belvin B. Horres  
CW4 Robert S. Johnson  
CPT Michael H. Jurus  
WO1 Charles M. Keenan  
CW3 Larry J. Laffel  
SSG Rose L. Lockhart  
CW3 Paul D. Marr  
SPC Larry J. Musick  
CSM Virgil T. Ostrann  
MAJ Dennis N. Ragland  
CPT H. Allen Salyer  
MAJ David M. Stearns  
CW2 Martin O. Sullivan  
Mr. Timothy R. Williams  
CW3 William B. Thomas, Jr.

**SOUTHERN CALIFORNIA  
CHAPTER  
LOS ANGELES, CA**

Mr. Michael J. Donnelly  
Mr. C.J. Mercer



Above: Terrence M. Coakley, AAAA Executive Director (left) poses before an OH-6 Cayuse with Minuteman Chapter President CW2 Timmy Tompkins (right) at the Westover AFB Air Show held on 24 July 1992. The Minuteman Chapter sponsored a concession booth, from which a percentage of the proceeds will be donated to the AAAA Scholarship Foundation.

Below, left to right: AAAA Member SFC George L. DeBarge, Barbara DeBarge, Mr. William E. Merchant, Sr., Minuteman Chapter President CW2 Timmy L. Tompkins, SPC George Hart, SPC Craig Adams, and AAAA Member Mr. Robert E. Luippold line up before the Minuteman Chapter's Concession Booth at the Westover AFB Air Show.



## New Members (cont. from page 58)

### WASHINGTON DC CHAPTER WASHINGTON, DC

CPT Thomas K. Gainey  
SSG Rock D. Gilbert  
Mr. Timothy F. Regan, Jr.  
CPT Michele M. Rust

### WINGS OF THE DEVIL CHAPTER FORT POLK, LA

LTC David B. Hall

### MEMBERS WITHOUT CHAPTER AFFILIATION

COL Bruce Conaway, Ret.  
Mr. Jack W. Dorn  
Mr. Francis A. Dolan  
Mr. Donald K. Dolbeer  
Mr. Ronald R. Fisher  
Mr. Milton H. Friend, Jr.  
Mr. James M. Fritts  
MG Thomas H. Harvey, Jr.  
Mr. Darrell T. Hicks  
CPT Jeffrey G. Hill  
Mr. Kenneth McPherson  
1LT Michael G. Patronis  
CW3 James C. Reardon  
Mr. Patrick M. Roddy  
Mr. Cecil E. Smith  
19GT Guido Sparla  
Mr. Thomas P. Stevens  
Mr. Donald L. Swensen  
CW4 William W. Williams

**Give the  
Holiday  
Gift That  
Keeps On  
Giving**



**See Page 70 for  
Membership  
Application and  
Page 71 for Gift  
Ideas**



## Top Guns as of 1 September 1992

The member who sponsors the greatest number of new members during the contest year ending 31 December 1992 wins an all expense-paid trip to the AAAA Annual Convention as well as a \$500 cash award, and receives a plaque at the AAAA Membership Luncheon.

Mr. Fernando P. Gomez.....	65
CW3 Roger K. Garner.....	36
Mr. John H. Bae.....	34
LT Kurt G. Moses.....	24
CPT Glenn A. Rizzi.....	20
Ms. Susan E. Barnes.....	17
2LT Thomas S. Turman.....	17
CW2 Michael C. Tuten.....	17
CW2 Dale A. Williams.....	17
WO1 Andrew V. Smith.....	16
CW2 Michael P. Allard.....	14
LTC Herman J. Kuhn, Jr.....	13
LTC Peter Marchiony, Jr.....	13
Ms. Janet J. Garmon.....	12
Mr. Joseph A. Caines.....	11
CW4 James E. Stone.....	11
SSG Christopher T. Wolfia.....	11
CPT Patrick E. Tierney.....	10
MAJ Gregory Williamitis.....	10
MAJ Bryan E. Campbell.....	9
CW4 John R. Kemp.....	9
Ms. Martha B. Colmenero.....	8
CW3 Clifford J. Evans.....	8
MAJ Robert M. Maiberger.....	8
Mr. William A. Martin.....	8
Ms. Lois Contreras.....	7
CPT David A. Palmer.....	7
CPT Louis P. Schurott.....	7
MAJ Paul M. Stites.....	7
CW2 Ronnie M. Ashcraft.....	6
CPT William J. Davisson.....	6
MAJ Michael A. DiGennaro.....	6
Ms. Werner Eichelberger.....	6
Mr. Ernest Guzman.....	6
CW4 William R. Halevy.....	6
Mr. Juri Koern.....	6
CW2 Michael F. Monaghan.....	6
LTC William H. Smith.....	6
CPT Bruce V. Sones.....	6

## Top Chapters

The 1 September 1992 Membership Enrollment Competition standings have the following chapters ahead with three months left in the CY92 contest ending 31 December. The rankings are based on CY92 net membership gain.

Master Chapters (160 or more members)	Senior Chapters (90-159 Members)
1. Corpus Christi.....	128
2. Savannah.....	116
3. Iron Mike.....	101
4. Air Assault.....	82
5. Greater Atlanta.....	31
6. Southern California.....	11
7. Central Florida.....	5
8. Leavenworth.....	3
1. America's 1st Coast.....	30
2. Edwin A. Link.....	17
3. Monterey Bay.....	18
4. Talon.....	10
5. North Country.....	4
6. Mid-America.....	3
7. Aloha.....	2

### AAAA Chapters (28-89 Members)

1. Minuteman.....	65
2. Wings of the Marne.....	51
3. Hudson-Mohawk.....	18
4. High Desert.....	5
5. Old Tucson.....	5
6. San Jacinto.....	5
7. Citadel.....	3
8. Isthmian.....	3

Below: Corpus Christi Chapter members enjoyed cool drinks and camaraderie at a social aboard the "Flagship" on 21 August 1992. The "Flagship" took them on a two hour tour of the Corpus Christi Bayfront and harbor area. Scholarship awards were presented at this social. Virginia Barrera (left), Directorate of Maintenance, stands with her son, Luke (center), as he receives a \$500.00 Scholarship from COL Christopher Guppy, Corpus Christi Chapter VP Renewals. Luke is attending Texas A&M at Bryan, TX.





Above: Corpus Christi Chapter VP Renewals, COL Chris Guppy (right), hands Christopher Raabe (center) a \$500.00 first-year scholarship check awarded by the Chapter. Christopher's father, George Raabe (left), an employee of the Corpus Christi Army Depot's Directorate of Quality Assessment, looks on. Tammy J. Jennings, of CCAD's Directorate of Maintenance, also received a Continuing Education Scholarship check worth \$250.00.

Below: LTC Eber E. Brown, Jr. (left), Senior Vice President of AAAA's Washington DC Chapter, presents LTG Teddy G. Allen (right), Director, Defense Security Assistance Agency, with an illustration of the Washington Monument following LTG Allen's presentation on foreign military sales at the chapter's 22 June 1992 meeting at Ft. Belvoir, VA.



## New AAAA Chapter Officers

### Armadillo:

COL Larry Snook, Ret. (Pres);  
COL Robert Poland (SrVP);  
CW2 Bobby R. Deiss (Secy);  
CW2 Kerry K. Arnold (VP,  
Membership).

### Army Aviation Center:

COL Robert N. Seigle (SrVP);  
COL David W. Swank (Exec.  
VP); COL Joseph L. Bergantz  
(VP, Memb. Enroll); CSM  
Ronald L. Moore (VP, Enlist.  
Aff); CW4 Tommy T. Penrose  
(VP, WO Affairs).

### Chesapeake Bay:

CPT Marcus J. Weldon  
(Treas); CW4 Lawrence R.  
Burbank (VP, Membership)

### Colonial Virginia:

LTC Bernard F. Veronee, Jr.  
(SrVP); MAJ Thomas H. Trant  
(VP Prog); CW3 John C. Pope  
(VP, WO Affairs).

### Corpus Christi:

Mr. Joseph A. Caines (VP,  
Membership).

### Delaware Valley:

LTC Clinton E. Palmer (VP,  
Military Affairs).

### Edwin A. Link Memorial:

LTC David A. Lum, Ret.  
(Acting President)

### Hanau:

CSM Roger J. Ehrke (VP,  
Enlist. Aff).

### Leavenworth:

MAJ George E. Hodge (Pres)

### Minuteman:

CW2 Terry R. Knight (VP,  
Pub); SPC Paul A. Levesque  
(VP, Renewals).

### Monterey Bay:

COL James W. Beauchamp  
(Pres); CPT Ray D. Gentszel  
(VP, Programs).

### Narragansett Bay:

CPT Philip S. McGrath (Pres);  
LTC John L. Enright (SrVP);  
1LT Brian C. Trapani (Treas).



**New AAAA  
Chapter Officers  
(cont.)**

**Rochester:**

MAJ(P) James A. Slagen (Pres); CW4 Michael K. Hall (SrVP); CW2 Paul Lozito (Secy); 1LT John D. Nitka (Treas); SFC Carl T. Hampton (VP, Memb. Renewals).

**Savannah:**

CSM Sean R. Gosine (VP, Enlisted Affairs).

**Taunus:**

LTC Bruce K. Ladeira (Secretary).

**Washington D.C.:**

CPT Thomas K. Gainey (VP Membership).

**Wings of the Devil:**

CPT Paul A. Simroth (Secretary).

**New AAAA  
Industry Members**

**Speco Corporation**  
Springfield, OH

**Aces**

The following members have been declared Aces in recognition of their signing up five new members each.

**Ms. Werner J. Eichelberger**  
**Ms. Mary Jane Geckle**  
**CPT Louis P. Schurott**  
**CPT Bruce V. Sones**

**See You in  
Ft. Worth!  
AAAA Annual  
Convention  
31 March-  
4 April 1993**



Above: On 26 June 1992, MAJ Rickey L. Rife (left) received a Bronze Order of St. Michael Award from COL Joseph Eszes, then Commander, 6th Cavalry Brigade (Air Combat), Ft. Hood, TX. Established in 1990 as a joint venture between the AAAA and the U.S. Army Aviation Center (USAAVNC), the Order of St. Michael recognizes individuals who have contributed significantly to the promotion of Army Aviation in ways that stand out in the eyes of the recipient's seniors, subordinates, and peers.

Below: COL Joseph W. Eszes, former Commander, 6th Cavalry Brigade (AC), presents LTC William W. Powell, then commander, 1st Squadron, 6th Cavalry, with a Bronze Order of St. Michael Award at Ft. Hood, TX on 2 July 1992.





Above, left to right: AAAA National Member-at-Large CW4 Frank Murtagh, Ms. Carolyn Chapman, Logistics Management Specialist, ODCSLOG, the Honorable Stephen K. Conner, Assistant Secretary of the Army for Research, Development, and Acquisition, Mr. Joseph P. Cribbins, then Special Assistant to DCSLOG and Chief, Aviation Logistics Office, MG Dewitt T. Irby, Jr., PEO, Aviation, and MG Donald R. Williamson, CG, U.S. Army ATCOM, all pose at the Arizona Chapter's May meeting.

## AAAA CALENDAR

A listing of upcoming AAAA Chapter events and National dates.

### October, 1992

- ✓ Oct. 27-29. Monmouth Chapter AAAA Biennial Symposium. Gibbs Hall (Officer's Club), Ft. Monmouth, NJ.

### November, 1992

- ✓ Nov. 4-5. 10th AAAA Aircraft Survivability Equipment Symposium hosted by Lockheed Aeronautical Systems Co., Marietta, GA.
- ✓ Nov. 4. AAAA ASE Award Presentation, Atlanta Marriott Northwest, Atlanta, GA.

### December, 1992

- ✓ Dec. 2. AAAA National Executive Board Meeting, Ft. Rucker, AL.
- ✓ Dec. 3. AAAA Aviation Trainer of the Year Award Presentation, AAAA Air/Sea

Rescue Award Presentation & AAAA ROTC Award Presentation, Ft. Rucker, AL.

### February, 1993

- ✓ Feb. 3-5. 19th Annual Joseph P. Cribbins Product Support Symposium sponsored by the AAAA Lindbergh Chapter, Stouffer Concourse Hotel, St. Louis, MO.
- ✓ Feb. 3. AAAA Outstanding Aviation Logistics Support Unit of the Year Award Presentation & Industry Award Presentations, Stouffer Concourse Hotel, St. Louis, MO.

### March-April, 1993

- ✓ March 31-April 4. 1993 AAAA Annual Convention, Tarrant County Convention Center, Ft. Worth, TX

## Obituaries

### COL Raymond G. Lehman, Jr., Ret.

COL Raymond Godfrey Lehman, Jr., of Monterey, CA died Tuesday, 1 September 1992. He was 68. COL Lehman had been a member of AAAA for 33 years.

A native of Schofield Barracks, HI, COL Lehman was born on 17 August 1924. He joined the Army in 1942 and was a member of the 22d Infantry, stationed at Ft. Ord, CA.

During the Vietnam War, COL Lehman commanded the 52d Combat Aviation Battalion from 1967 to 1968, which won the AAAA Unit of the Year Award in 1968. From 1968 to 1972, he was the head of Team IV, Combat Development Experimentation Command, also at Ft. Ord. COL Lehman completed his military service as assistant director of the U.S. Army Aviation Safety Board at Ft. Rucker, AL. He retired in 1974.

After retiring, COL Lehman served as a volunteer driver for Meals on Wheels, and was Vice President of that organization's auxiliary for two years. He was a member of the Retired Officers Association.

He is survived by his wife, Alida; three sons, Raymond of Lake Oswego, OR, Daniel of Pomona, CA, and Paul of Salinas, CA; a daughter, Susannah French, of Salinas; a sister, Marie Butler, of Largo, FL; eight grandchildren, a niece, and two nephews.





## HIGH HF STANDARDS FOR DEEP-STRIKE MISSIONS.

Now deep-strike missions by U.S. Army helicopters will benefit from new standards in HF radio performance.

These standards — ECCM/ALE capability — are available off-the-shelf today in the Collins AN/ARC-217 (V) High Frequency communications system. The ARC-217 is a derivative of the HF-9000 System, of which more than 1,000 systems are flying to date in applications worldwide.

Designed for reliable interoperable communications in hostile ECM environments, the ARC-217 sets new standards in mission reliability and mean time between failure.

Fiber-optic interconnects make the unit less susceptible to the effects of electromagnetic interference. The radio's embedded MIL-STD-188-148 Tri-Service compatible ECCM capability foils close-range ECM.

MIL-STD-188-141A Automatic Link Establishment (ALE) is also embedded in the ARC-217.

This capability, integrated with either an effective and simple control or MIL-STD-1553B bus interface, allows the pilot to concentrate on his critical mission objectives instead of controlling the radio.

And the ARC-217 maintains the ability to communicate with fielded high-frequency communications systems deployed by other services, including the IHFR equipment utilized by ground troops.

The ARC-217 — nothing less than the new standard for a new generation of HF communications.

For more information, contact: Collins Avionics and Communications Division, Rockwell International, 350 Collins Road NE, Cedar Rapids, Iowa 52498. (319) 395-1600. Telex 464-435.



**Rockwell  
International**

...where science gets down to business