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# ARMY AVIATION

OFFICIAL PUBLICATION OF THE ARMY AVIATION ASSOCIATION OF AMERICA • NOVEMBER 30, 1996

## Dominating Force XXI

AH-64D Longbow Apache

MCDONNELL DOUGLAS



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ARMY AVIATION is the official journal of the Army Aviation Association of America (AAAA). The views expressed in this publication are those of the individual authors, not the Department of Defense or its elements. The content does not necessarily reflect the official U.S. Army position nor the position of the Army Aviation Association of America (AAAA) or the staff of Army Aviation Publications, Inc., (AAPI). Title reg® in U.S. Patent Office. Registration Number 1,533,053.

**SUBSCRIPTION DATA**  
ARMY AVIATION (ISSN 0004-248X) is published monthly, except April and September by AAPI, 49 Richmondville Avenue, Westport, CT 06880-2000. Tel: (203) 226-8184, FAX: (203) 222-9863, E-Mail: 74023.3400@compuserve.com. Subscription rates for non-AAAA members: \$25, one year; \$48, two years; add \$10 per year for foreign addresses other than military APOs. Single copy price: \$3.00.

**POSTAL**  
Periodicals postage paid at Westport, CT and other offices.

**POSTMASTER**  
Send address changes to AAPI, 49 Richmondville Avenue, Westport, CT 06880-2000.

**FORTHCOMING ISSUES**  
December 1996 — Special Focus: "The War Fighters".  
January 1997 — Special Focus: Maintenance and Product Support.

## Briefings

**Wanted for Historical Research:** Army Aviation personnel who flew or maintained Cessna L-19s in the 10th Special Forces Group at the Army Airfield in Bad Tolz, FRG during the 1950s to 1970s. Please contact LTC Thomas M. Lee, Comm: (404) 752-4941 or (800) 438-6927, DSN: 572-4941.

**Simula Government Products, Inc.**, Phoenix, AZ, has entered a Cooperative Research and Development Agreement (CRADA) with the U.S. Army Test and Evaluation Command. The agreement provides for testing and evaluation of Simula's new Inflatable Tubular Structure (ITS) technology at the U.S. Army Yuma Proving Ground, Yuma, AZ. ITS technology provides a mechanism to investigate safety improvements on military vehicles.

**UNC Aviation Services, Inc.**, Annapolis, MD was awarded the U.S. Army Rotary Wing Flight Training Services Contract at Ft. Rucker, AL. The contract is for one year with four option years, and is valued at approximately \$102M. Under the terms of the contract, UNC's Aviation Services Division will continue to train all U.S. Army, U.S. Navy, and foreign military helicopter pilots at the U.S. Army Aviation Center, providing all instruction, flight simulator, and aircraft flight training.

**Logicon, Inc.**, Torrance, CA has been awarded a contract from **Computer Sciences Corporation** as part of a six member team for support of the U.S. Army's Electronic Proving Ground (EPG) Field Office at Ft. Lewis, WA. The contract has one base year with four option years, and a potential overall value of \$161M, if all options are exercised. The estimated value to Logicon is \$50M.

**Rockwell's Collins Avionics & Communications Division**, Cedar Rapid, IA has been awarded the U.S. Special Operations Lightweight GPS Receiver (SOLGR) contract representing the latest in military Global Positioning System (GPS) technology. The SOLGR receiver system provides innovative solutions for the digital battlefield by offering the most advanced capabilities in handheld and surface mobility receiver systems.

The **International Liaison Pilot and Aircraft Association (ILPA)** has announced the following 1997 events: The **Seventh Worldwide Gathering of L-Birds** at Keokuk, IA, 26-28 July 1997; **Fourth East Coast ILPA Gathering (ECIG)** in Williamsburg, VA in October 1997; and the **First European ILPA Member Gathering** to be held in France in 1997. For more information, contact Bill Stratton at (210) 490-ILPA.

The following entry was inadvertently deleted from the 1996 BLUE BOOK: **404 Support Battalion (Aviation), 4th Infantry Division, Ft. Hood, TX 76544. Commander: LTC Michael C. Sevcik, ATTN: AFZC-SSC-CDR. C: (817) 288-3502/6480. DSN: 738-3502. FAX: (817) 288-4093/7425. E-mail: sevcikm@hood-emh3.army.mil.** ARMY AVIATION regrets the omission.

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**FRONT COVER**

**Paid Advertisement:** McDonnell Douglas Helicopter Systems. Two AH-64D Longbow Apaches are playing a key role in the U.S. Army's Force XXI exercises that will continue through March 1997. The Longbow Apache gives the U.S. Army an unprecedented ability to manage the digital battlefield while offering dramatic increases in firepower and survivability. Photo by Robert W. Ferguson. Caption provided by Advertiser.



## AMC: GETTING THE BEST TO THE TROOPS

As I begin to gather my thoughts for this editorial, it occurred to me that "The End" would be the best place to begin. Of course, for me and the U.S. Army Materiel Command, the end is a euphemism for our customers: Army soldiers and aviators. Of all the things we in AMC do, none is more important than ensuring that our soldiers get the best weapons, equipment, and supplies, when and where they need them. They deserve no less.

MG Emmitt E. Gibson and his dedicated soldier-civilian team at the Aviation and Troop Command are the focus of AMC's support to Army aviators. The Army leadership selected MG Gibson for this job, in part because he knows the customers so well. Additionally, he loves and understands soldiers and their families. For 25 years, he was an ATCOM customer as a member of both the 82d and the 101st. I am confident that with MG Gibson in command, Army aviators everywhere will remain his top priority and receive the best support possible.

### *Sustaining readiness as ATCOM transitions to AMCOM.*

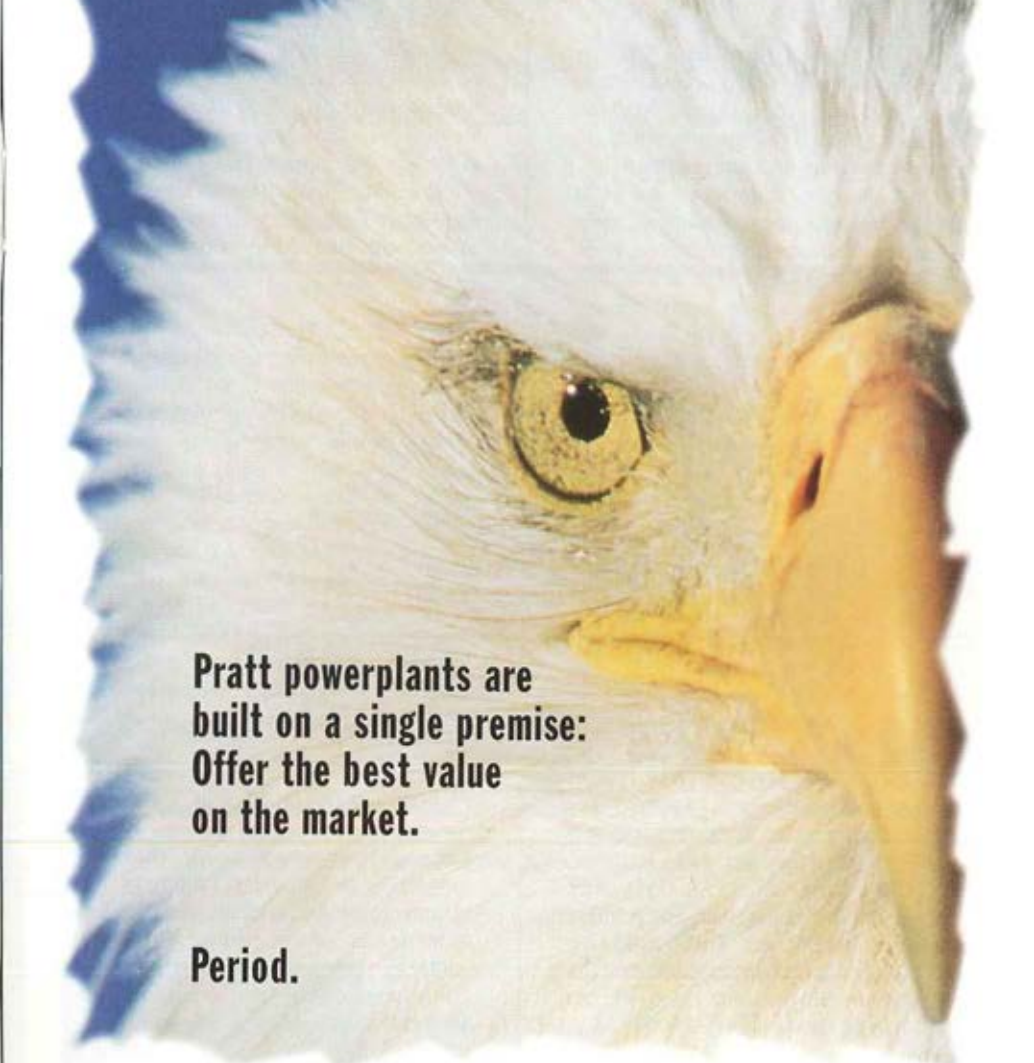
One of my priorities, when I visit AMC locations is to issue report cards. This summer I visited ATCOM, listened to the various issues and actions underway, and issued A+s on:

- Flight Safety Parts
- Administrative and Procurement Lead Time Reductions
- Support to Deployed Forces
- Force XXI initiatives.

The Aviation Research, Development and Engineering Center (AVRDEC) has implemented a new way of assessing and intensively managing flight safety parts, while identifying additional testing sources. This new effort permits the complex and rigorous fatigue and endurance testing of flight safety parts before the final manufacturing process begins so that critical components will be received on time and in the right quantities.

The Acquisition Center has awarded 225 long-term contracts, with built-in surge requirements, that will permit AMC to reduce administrative costs, increase quality, and improve stock availability.





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We call this "Banking Readiness", taking the appropriate contractual actions now to ensure that the U.S. Army Materiel Command (AMC) is always ready to support our Army and our soldiers.

To get the best materiel at the right price, and on time, the Acquisition Center has used performance specifications, as an innovative business practice, to state the soldiers' needs in simple terms, without telling the supplier how to build the product or provide the service. This method lets us start procurement actions and award contracts sooner because there is no reliance on a complicated, detailed and time-consuming military specifications and standards system. Also, with performance specifications, contractors have greater flexibility and incentives to produce quality products.

I am especially proud of AMC's and ATCOM's efforts in support of our deployed forces in the Bosnian peacekeeping mission. Our Aviation Applied Technology Directorate (AATD) at Ft. Eustis, VA played a vital role in readying Phototelesis systems for transmission of video imagery. Despite a harsh winter and lack of facilities, ATCOM Logistics Assistance Representatives, contractors, and soldiers never missed a mission. This outstanding team has continued to support the 145 deployed aircraft, in some cases without fixed facilities, shelters, roads, and parking pads.

AMC's dedication to readiness by equipping and sustaining the Army Aviation community continues unmatched, and our world-class aviation technology base is second to none. This dedication is even more important today as units strive to maintain or improve their readiness postures.

Put simply, our Army cannot afford to

have units that are not ready to go to war or support operations other than war.

Being ready is a daily challenge. Yet, we also must have one eye looking ahead to ensure that our soldiers can fight and win on future battlefields. Our National Rotorcraft Technology Center is one way of assuring that Army aviators always have an edge.

The NRTC, a superb collaboration between government, industry, and academia, is focused on assuring the continued superiority of our rotorcraft systems while strengthening the U.S. rotorcraft industry's ability to compete in the world market. The NRTC approach includes development of critical rotorcraft technologies that support our national military strategy. Thus, the NRTC is becoming a new model of cooperation with all participants working together as a form of technology information interchange. This interchange produces benefits for our Army now and in the future.

AMC and ATCOM will lead Army Aviation for Force XXI through aviation technology demonstrations that will support the development of future aviation systems and incorporate the dual-use technologies of the nation's rotorcraft industry.

For example, future commanders will have the necessary situational awareness information from the Airborne Command and Control Systems (ACCS) aboard their UH-60 Black Hawks to monitor mission execution and adjust operations as the battlefield environment changes, a relevant, common picture of the battlefield. What's more, this effort will result in AMC's providing a decisive edge in OOTW. The ACCS will connect  
(AMC — continued on page 30)

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## MEETING THE CHALLENGES OF TODAY AND TOMORROW

As I return to the Army Aviation Center and assume the reins as your Branch Chief, I am impressed with everything I see at Fort Rucker. Likewise, coming from the field, I feel the health of our Branch is the best it's ever been. Our aviation units are crossing the LD on time, meeting all PZ/LZ times, and sharing the hardships and dangers with our fellow combined arms soldiers. In short, we are exceeding Division and Corps Commander expectations. Aviation leaders and troopers are making it happen, and we can all be proud of the soldiers we have serving in Army Aviation.

These great Americans are successfully carrying aviation's message for us daily. We have aviation soldiers as Corps G-3s, Division Chiefs of Staff and other key positions. They're turning in outstanding performances as proven by recent promotion board results. This is great news to me and it should be to you. We are doing things today that only a Branch can do. We owe a lot to those who set the conditions for this success by bringing the

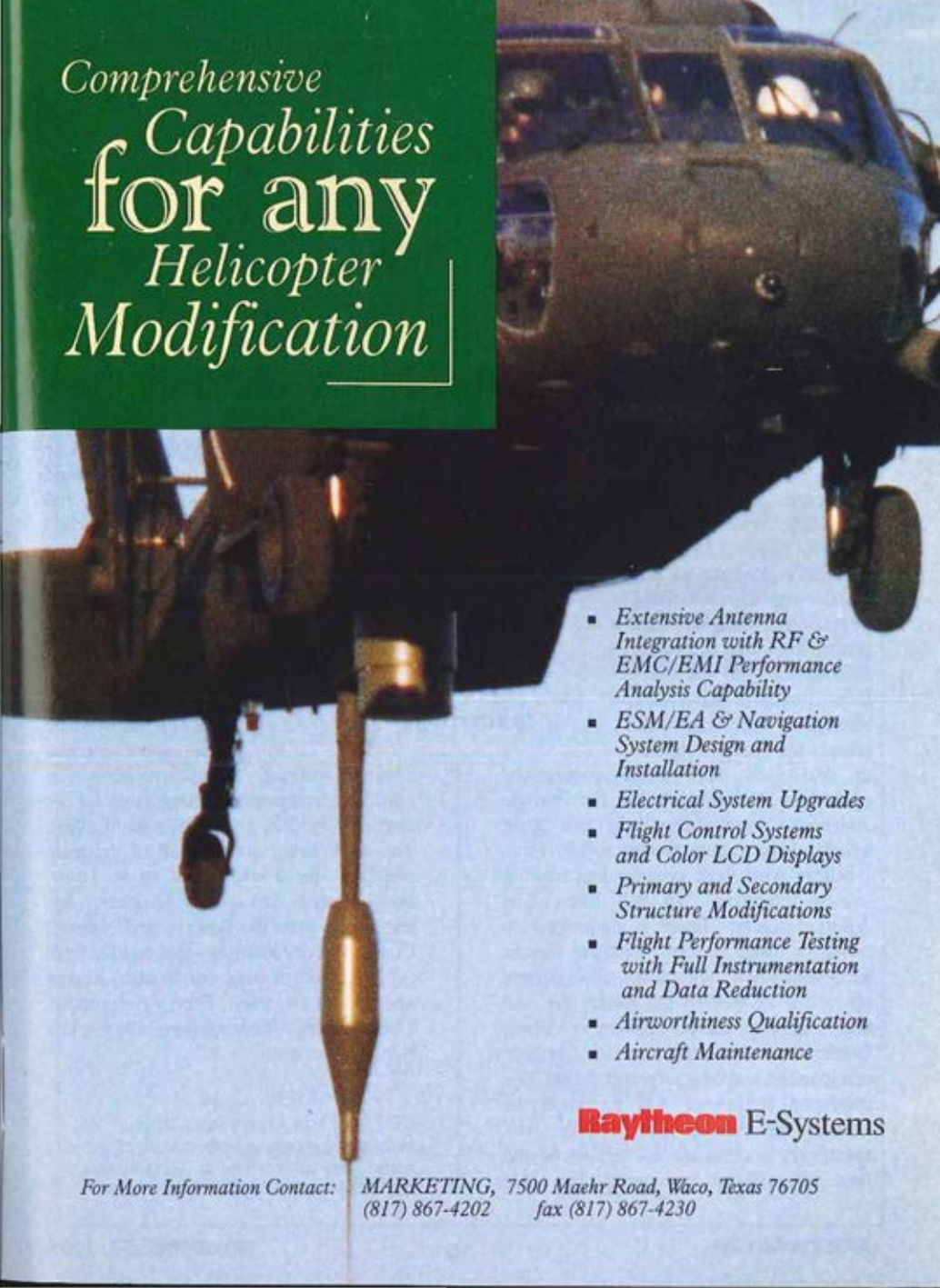
*"Training  
has been and  
will remain  
the key to  
everything  
we do."*

Aviation Branch on line.

Much has been written about the future aviation force and its application to warfighting in the 21st Century. Aviation will be critical to achieving a doctrine of massing effects versus forces. However, as in all doctrines, it is only as good as the soldiers and leaders implementing it. Training has been, and will remain, the key to

everything we do. We have an outstanding team in the Directorate of Training, Doctrine, and Simulation (DOTDS), made up of warfighters who understand the importance of this concept. They are dedicated soldiers here to serve today's, as well as tomorrow's, leaders. One example of their good work is the Apache Company Commander's Course on CD-ROM. It's in the field now for your review. I encourage you to talk with Colonel Bill Powell and his team—keep them in the loop.

The Longbow Apache and Comanche, cornerstone systems of our future, provide us enhancement to operational tempo, lethality, and situational awareness. These two aircraft will take



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our sons and daughters safely into the future. I am confident this is the correct course to meet our future challenges.

But what about today? In my mind, planning to meet the challenges of Army XXI requires resolution of the issues that affect current operations. This can readily be seen with our peace-keeping operations in Bosnia. We have a deployed Aviation Force that is doing a great job still using FM radios, lugging toolboxes, and wrestling AGPUs through the deep mud. At the Aviation Warfighting Center, we will develop a modernization strategy that quickly fields items that our field commanders need now while also evolving aviation forces for the future.

Having come from DCSOPS Europe and Operation JOINT ENDEAVOR, I can tell you I understand the demanding operations tempo and challenges our aviation commanders in the field face. Reinforced by their successes, the Army will remain the force of choice to deal with most future contingency operations. With this in mind, how can the Aviation Center Team help our great aviation brigade commanders today? First, I believe what these commanders have to say is important. We will listen. The Aviation Center Team is committed to helping make every aviation leader successful. We will focus on current operations as well as the future. We will host an Aviation Leaders Training Conference this January for brigade commanders and their sergeants major. This combined conference will focus on the warfighters current needs. We will specifically address current operations and how the aviation community can help

commanders meet their missions. The focus of the conference is embedded in the theme: "Training the Warfighter."

We see the AAAA convention this April as the forum in which we focus on the future. The theme is fitting—"Army Aviation: Forging Ahead Toward Army XXI!" We'll be able to discuss how the Aviation Center, Fort Eustis, TRADOC, PEO-Aviation, ATCOM, the Aviation Division at DA, and industry will help shape Army Aviation for the future.

My message is that the current fight is just as important as the future fight. We must insure that Army Aviation meets the challenges of our 21st Century Army, but not lose sight of what we have asked our aviation leaders and soldiers to do today. Ultimately, we will ride into the 21st century with these soldiers. Our success depends on a trained and ready force capable of meeting the challenges of today and tomorrow. We have made and will continue to make great strides

towards making Army Aviation an affordable and potent fighting force for the next century. But it must be a team effort. The work being done by all of the team members—those in the field, at St. Louis, Fort Eustis, DA, Fort Rucker, our teammates from the Reserve and National Guard, and our industry—is above the best!

I am proud of what our aviation leaders and soldiers are doing. They serve proudly. I look forward to serving along side you and being on the team.

★ ★

*MG Petrosky is the Aviation Branch Chief and CG, U.S. Army Aviation Center and Ft. Rucker, AL, and Commandant, U.S. Army Aviation Logistics School, Ft. Eustis, VA.*

*"Our success depends on a trained and ready force capable of meeting the challenges of today and tomorrow."*



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## **APACHE ATTACK HELICOPTER**

During the past year the Apache has added to its already outstanding reputation as the finest attack helicopter in the world. From peacekeeping operations in Bosnia to training exercises in preparation for the Task Force XXI Advanced Warfighting Experiment, the Apache continues to prove it's an invaluable member of the combined arms team.

**Task Force XXI.** Eight AH-64A Apaches and two prototype AH-64D Longbow Apaches will participate in the Task Force XXI Army Warfighting Experiment and provide the Task Force XXI Commander with real-time situation awareness and lethal fire power. The two AH-64D Longbow Apaches are flown by six former Initial Operational Test and Evaluation (IOTE) pilots who are now assigned to 1-4 Avn at Fort Hood, TX. These pilots completed their refresher training 5-26 August 1996 at McDonnell Douglas Helicopter Systems (MDHS) in Mesa, AZ. The two AH-64Ds arrived at Fort Hood on 28 August 1996 to begin unit training.

*“...the Apache continues to prove it's an invaluable member of the combined arms team.”*

### **AH-64A Modifications.**

The A model production line is closing. The last A model will come off the line in November 1996, destined for Egypt. However, several improvements are planned for the AH-64A, since the last AH-64As will not be converted to AH-64Ds until 2009.

Depot teams are currently installing the EGI

on the first unit at Ft. Hood, TX. This program will last through April 1999 and will install the EGI system on all A models equipped with the 137 Doppler. Verification of the AVR-2A Laser Warning Receiver modification work order is underway at Ft. Stewart, GA. Depot teams will start installing these kits during 2nd quarter, fiscal year 1997. The PM will fund for a depot team to install gas generator (GG) rotor sections on all T700-701 undampened engines. This team will travel to Germany starting January 1997 and will install the GG rotor sections at the rate of 50/month until all undampened rotors are replaced worldwide.

We continue to seek opportunities to

improve the reliability and performance of the TADS/PNVIS system. We are accelerating the installation of eight reliability Engineering Change Proposals (ECPs) to reap the benefits of these modifications. The forced retrofit of these ECPs at two locations is producing impressive performance improvements. Additional upgrades which you should expect to see near term include: a Charged Coupled Device (CCD) Camera replacement for the three vidicon cameras; an improved Automatic Contrast Module (ACM) circuit card to reduce TADS FLIR shading; an ECP to reduce Day Sensor Penta Prism delamination; and an effort to qualify a more durable and maintainable W-1 Funny Harness.

**AH-64D Remanufacture.** On 16 August 1996 we signed a five year, \$1.9 billion contract with MDHS to remanufacture 232 of the planned 754 aircraft to the AH-64D configuration. The contract includes many acquisition reform initiatives to reduce cost, but the most important is a clause which splits future savings 50/50% between the contractor and the government. In other words, if costs rise the contractor pays, and if costs fall then the government shares the savings. In addition to the aircraft, the contract buys 32 training devices, premodification of 108 aircraft with options for another 108 aircraft, initial training program, contractor configuration management, contractor logistics support for five years on AH-64D unique items and a performance based warranty. In conjunction with contractor logistics support, the warranty requires the contractor to replace defective components without the usual paperwork and discussion over who is at fault that is typical of other warranty programs. As of 22 September 1996, 18 aircraft were in various stages of the premodification

process at MDHS. First delivery is March 1997 and the first unit equipped (a 24 aircraft battalion) is July 1998.

The contract includes several great configuration improvements: incorporation of a Maintenance Data Recorder with crash survivable memory, redesigned back-up flight control system, a side loader for the 30mm gun, and color flat panel displays for both pilot and copilot. These changes will be included in Lot 2 with Lot 1 retrofit before fielding.

**Longbow Fire Control Radar.** The Longbow Fire Control Radar (FCR) is currently in the first year of production. The first production contract requires delivery of ten FCRs with the first AH-64D delivery in March 1997. A total of 227 radars are planned for procurement and fielding. The FCR will be fielded at a ratio of three aircraft with radar and five without radar. Targeting information and battle management functions will be provided to AH-64Ds without radar through the Improved Data Modem. The aircraft with radar will also receive T700-701C engines. The AH-64Ds without radar will retain their T700-701 engines, because current funding does not allow for all aircraft to have a common engine.

The FCR incorporates a Radar Frequency Interferometer (RFI) which is a passive radar detector that rapidly identifies emitters and accurately locates them in azimuth. This information is automatically merged with FCR targeting information to more accurately identify threat air defense units and enhance situation awareness. We are creating a kit to allow the RFI to be used on AH-64Ds without the FCR.

**AH-64D Training and Training Devices.** Initially, the first two battalions of operators and the first three battalions of maintainers will receive individual



training at MDHS. Training will then transition to Fort Rucker and Fort Eustis in 1999 and 2000, respectively. Interactive Computer Based Training (CBT) will be provided to the schools and the field to support institutional and sustainment training. Maintenance training will be conducted using two devices—the Airframe, Engine, and Drivetrain Systems Trainer (AEDST) and the Multiplex, Avionics, Visionics, Weapons, and Electrical Systems Trainer (MAVWEST).

For operators, the Longbow Crew Trainer (LCT) will be used to conduct individual and crew training, and the Longbow Collective Training System (LCTS) will be used to conduct collective training. Only selected locations will receive a LCT and a LCTS; however, these devices can be easily transported to other installations or theaters.

A team comprised of members from AAH PMO, STRICOM, USAAVNC (TSM-LB, ATB, & DOTDS), USAALS, FORSCOM, EUSA, and USAREUR is guiding the development of all training devices to ensure they can adequately train the critical tasks to operate and maintain the AH-64D. There are currently no plans to upgrade the AH-64A Combat Mission Simulators (CMSs) to the AH-64D configuration; however, upgrades remain an option if the LCT or LCTS prove inadequate.

Efforts continue on the Tactical Engagement Simulation System (TESS) which will enable AH-64Ds to train at home station and the three Combat Training Centers. Additionally, each aircraft will be equipped with a RF

Hellfire Training Missile Emulator (TME) which will provide an embedded training capability to conduct up to 16 simulated RF missile engagements.

**The Road Ahead.** The road ahead for the Apache fleet is split for the two configurations. The AH-64A Apache enhancements will consist of the EGI installation, fixing the T700-701 GG rotor problem, fielding AMPS for mission planning, installing the AVR-2A Laser Warning Receiver, adding Alternate Laser Code (ALC) capability, and TADS/PNVIS reliability upgrades as noted earlier.

Although the AH-64D is a major improvement over the AH-64A, we continually look at future upgrades to improve maintainability, reliability, and performance. Several enhancements are planned such as the Suite of Integrated IR Countermeasures (SIIRCM), Suite of Integrated Radar Frequency Countermeasures (SIRFC), the ARC-220 HF radio,

fielding a Tactical Engagement Simulation System (TESS), removal of the Optical Relay Tube (ORT) and/or installation of cockpit airbags, integrating the next generation FLIR, eye safe laser designator, and video recorder.

Most of these enhancements add weight and will have to be evaluated with improvements to the engine, transmission, and rotor blades to maintain the operational viability of the Apache. By any measure, the road ahead appears bright for the Apache fleet.

★ ★

*COL Kee is the Product Manager, Apache PMO, U.S. Army ATCOM, St. Louis, MO.*

*“By any measure, the road ahead appears bright for the Apache fleet.”*

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## **RAH-66 COMANCHE**

**E**xciting times lay ahead for the RAH-66 Comanche Program! Much work has been done since first flight on January 4, 1996. Envelope expansion flights have resumed, the next phase of the contract is being negotiated and virtual simulation activities are kicking into high gear.

At the time this article is being written (September 20th), Prototype #1 has flown 9 times and reached forward airspeeds of 102 knots with a goal of 160 knots by the end of this year. Flight testing is done at the Sikorsky Aircraft flight test facilities outside West Palm Beach, Florida.

Overall, Prototype #1 has accumulated over 8 hours of flight time. About 80 percent of the basic flight maneuvers tests, required before Comanche goes "over the fence", have been completed. Presently the aircraft is restricted to maneuvers within the immediate confines of the test flight airfield. Before significant envelope expansion, however, engineers and technicians will put the aircraft through a complete inspection and maintenance program.

### *Expanding the envelope and preparing for the next phase of DEM/VAL.*

Prototype #1, designed for Comanche airframe evaluation and envelope expansion, was released for flight test August 24th after evaluation of a transmission failure on the Comanche Propulsion System Test Bed. The failure's cause was resonance in a transmission component at high power settings.

Various production solutions to this issue, up to and including redesign and remanufacture of the gear involved, will be explored. In the meantime, the prototype will limit power settings in flight tests to allow envelope expansion to 162 knots at 1,850 shaft horsepower, an increase over first flight power settings. Application of a solution to the gear resonance issue should enable Prototype #1 to continue flight tests with no power maneuver limitations through 1996 into 1997.

On the program management side, the PM and the Boeing Sikorsky team are preparing to enter into next phase of the Demonstration/Validation (DEM/VAL) contract which will run from January 1997 through September 2001. The State-



ment of Work (SOW) was developed jointly by the PM and contractor, using acquisition streamline initiatives such as commercial specifications and cost as an independent variable.

DEM/VAL highlights include continued envelope expansion flights of Prototype #1 and Mission Equipment Package development on Prototype #2, delivery of six reconnaissance aircraft and a Milestone II Decision by the end of 2001. The next phase, Engineering Manufacturing Development, highlights include modification of the six aircraft to armed reconnaissance/attack configuration, early user field employment and testing, limited rate initial production and a Milestone III/Initial Operational Capability Decision in FY 2006.

Concurrent with Phase III, but not part of the contract actions, the Comanche PM office will be making the move to Redstone Arsenal, near Huntsville, AL as part of the overall PEO Aviation move. PM personnel are committed to keeping the support going during the relocation activities.

Comanche Modeling and Simulation activities are beginning to move more from the technical engineering aspect toward man in the loop virtual simulation in support of various Army Warfighting Experiments, Advanced Concept Technology Demonstrations (ACTDs) and Force Development Test and Evaluations. To support the man in the loop virtual simulations, Boeing Sikorsky and the Comanche PM delivered the Comanche Player Station (CPS) to the Aviation Test Bed in Ft. Rucker in January 1996.

The CPS is a Distributed Interactive Simulation (DIS) capable research and development tool that allows our Early Operational Capability (EOC) pilots an opportunity to "fly" the Comanche on the virtual battlefield and begin to develop

some preliminary Tactics, Techniques and Procedures (TTPs). In an exercise at Fort Rucker in March of this year, the CPS successfully passed digital message traffic with the Longbow Player Station (LPS). The CPS will undergo upgrades as the Comanche aircraft design matures.

The Boeing Sikorsky team, with support from the Comanche PM is building a more portable version of the CPS which will be called the Comanche Portable Cockpit (CPC), with a proposed delivery date of February of 1997. The CPC can be driven from site to site to be used as a display device for AAAA/AUSA demonstrations or "plugged in" at a Battle Lab anywhere in the country. The CPS and CPC will be used to conduct FDT&E I and II in 1998 and 1999 respectively. Using simulation to conduct FDT&Es is a first for aviation testing!

Every aspect of the Comanche program is conducted with the sole purpose of getting a quality fighting system out to our customers; the soldiers in the field. To maintain that focus, user participation is planned into everything we do. TRADOC System Manager (TSM) Comanche office personnel provide input into the design, flight testing, contract negotiations and simulation activities.

As I stated in the beginning of this article, the Comanche program has come a long way since its first flight, but we have a long way to go. With support from the user community and a strong commitment from Congress and DOD, the Boeing Sikorsky and PM Comanche team will build and field a first class armed reconnaissance helicopter that will make our soldiers second to none!

★ ★

*LTC Jerauld is the Product Manager, Comanche Crew Support System, Comanche PMO, St. Louis, MO.*

## **BLACK HAWK READINESS**

The UH-60 Black Hawk program continued as Army Aviation's largest aircraft production program through FY96 with a total FY96 budget of \$430 million. The Utility Helicopters Project Manager's Office (UH PMO), in coordination with U.S. Army Aviation and Troop Command (ATCOM) and the Defense Contract Management Command's plant offices at Sikorsky and General Electric-Lynn, continued contract administration, aircraft acceptance, and fielding of 60 aircraft per year plus delivery of an additional 13 Army National Guard aircraft and two Foreign Military Sales to Colombia.

FY96 marks the last year of a five year multiyear contract for a total of 300 Black Hawks. We will continue accepting delivery of these last 60 aircraft at a rate of five per month through June 1997. Negotiations are ongoing with Sikorsky to award a follow-on contract for up to 36 aircraft per year beginning with FY97. This contract award is scheduled for December 1996 and will either be a single year or multiyear contract depending on

*Making sure  
the Army's  
most versatile  
utility  
helicopter  
remains ready.*

approved funding levels.

**The Readiness Challenge.** Just as challenging as management of this major production program is the concurrent management of logistics, technical and readiness issues of the fielded fleet. The Black Hawk is the largest force modernization aircraft fleet with over 1,350 fielded aircraft in 156 organizations/units at

85 locations worldwide. With a combination of new UH-60L fieldings and redistribution of UH-60As, we moved approximately 180 aircraft over the past year and fielded 16 units. Materiel fielding, however, is not the only element of managing the fielded fleet. Maintaining fleet readiness is our most formidable task.

**Operation Desert Shield/Storm (ODS).** In 1990, as illustrated in Figure 1, UH-60 fleet readiness began a downhill slide with the deployment of over 400 Black Hawks to ODS. These 400 aircraft represented almost one half the fielded fleet and formed the largest Army fleet of aircraft deployed to the Gulf War. Black Hawks performed exceptionally well in

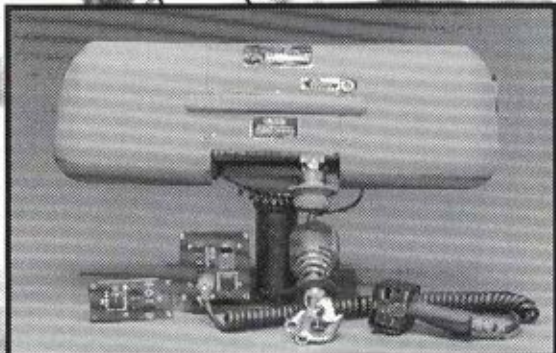
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# UH-60 READINESS TRENDS

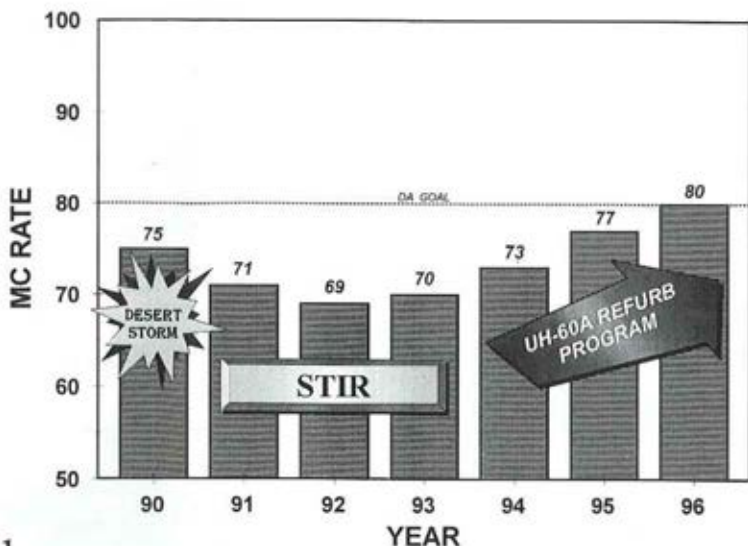


Figure 1

the desert environment and regularly achieved readiness rates well above the Department of the Army goal of 80% mission capable (MC); however, overall fleet readiness suffered due to the attention focused in support of the ODS aircraft, often at the expense of the remainder of the fleet.

**STIR.** At the end of ODS, contractors and government depots performed a Special Technical Inspection and Repair (STIR) program on all aircraft which had been deployed to ODS. Although STIR was a "shot in the arm," overall readiness rates continued the downhill slide until finally bottoming out in 1993, about the time the STIR program completed the last of 400 aircraft.

**Readiness Recovery.** Since 1993 readiness rates have steadily improved until finally exceeding the DA goal of 80% in each of the last four months

(Figure 2). The primary reason for this dramatic improvement is the professionalism of unit leaders and maintenance personnel. Commanders at all levels constantly face the issue of personnel turnover, shortages of key specialties, and manpower detractors such as guard duty.

The most successful commanders have ways to make maximum use of their mechanics' time available for maintenance while still meeting other requirements which detract from time available for maintenance. Other factors which contributed to the readiness recovery over the last three years include organizational changes such as the Aviation Restructure Initiative; materiel improvements such as the Refurbishment/Standardization Program; supply support improvements by ATCOM and Army Materiel Command (AMC), and communication

# UH-60 READINESS RATES

SEP 95 - AUG 96  
WORLDWIDE ACTIVE DUTY

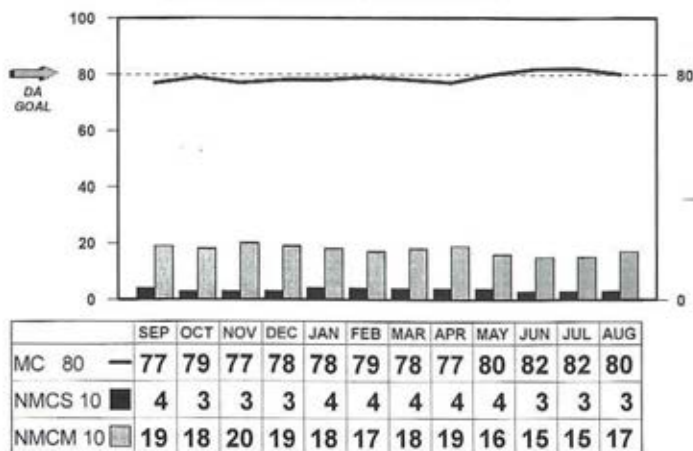


Figure 2

enhancers such as the Black Hawk Newsletter, User's Conference and site visits.

**Aviation Restructuring Initiatives (ARI).** ARI began in 1993 as a means of reorganizing aviation assets into units of a single type aircraft. Black Hawks were removed from cavalry squadrons and attack battalions and then reassigned primarily to combat aviation battalions and general support aviation battalions. ARI had the dual benefit of consolidating aircraft to a single type within a battalion and increasing the number of assigned mechanics per aircraft. On the materiel side of ARI, ATCOM and PEO Aviation developed equipment redistribution computer programs and deployed redistribution teams to ARI sites to prevent loss of tools and test equipment as units reorganized. ARI is now approximately 90% complete worldwide and is beginning to show a positive effect on readiness.

**Refurbishment/Standardization (R&S) Program.** Begun in 1993 as a way to modernize UH-60As being redistributed to Army National Guard units, the R&S Program is designed to standardize the 300 oldest UH-60As to the latest 1989 UH-60A configuration. The program remains on track having completed approximately 170 aircraft with another 70 in work. The R&S Program repaints the aircraft and completes the next 500 hour PMS-2 inspection so that National Guard units can expect high readiness rates upon fielding. An additional 250 UH-60As require the standardization kit to be compatible with the 1989 configuration; however, this effort remains unfunded.

**Mid Month Readiness Reviews.** In June 1996, AMC began focusing additional command attention on those major systems which fell below the DA readiness goal. As a result, ATCOM under-

took an intensive review of trends and systemic issues affecting Black Hawk supply availability. Although UH-60 Non-Mission Capable Supply (NMCS) rates consistently were well below the 10% maximum goal set by DA, ATCOM has improved supply availability more through use of long term contracting and best value procurements. During the past year, ATCOM and the Defense Logistics Agency have done a truly remarkable job of maintaining supply availability despite the turbulence caused by policy changes in the Flight Safety Parts program.

**Communication Tools.** Effectively communicating with the field has been an essential element in the readiness improvement program. We publish the Black Hawk Newsletter bimonthly as a way to give the most up-to-date information on maintenance and supply issues affecting UH-60 readiness. Another communication tool is the annual Black Hawk User's Conference which provides a forum for exchanging information and resolving issues. In March 1996, 390 attendees from units worldwide attended the conference, and we hope to have even more units represented in 1997. Highlights included a tour of Corpus Christi Army Depot and unit briefings which covered unit operations, accomplishments, and maintenance/supply/standardization issues and concerns.

We receive a lot of positive feedback on one of our most successful forms of communications—the site visit. Site visit teams include representatives from the UH PMO, ATCOM, General Electric, and Sikorsky (including a test pilot, logistics, and engineering staff). Site visit objec-

tives are:

- to assess how well the aircraft are performing in the field;
- to determine what components are affecting readiness;
- to exchange information on supportability, technical issues and maintainability; and
- to provide training on subjects which operators and maintainers have identified as local issues.

Begun in 1992, the goal of the site visit program is to visit each fielded unit every two years. In 1996 we conducted site visits to Korea, Japan, Hawaii, Alaska,

Ft. Carson, Ft. Irwin, and National Guard units in Georgia, Oregon and California. For 1997 the schedule includes Ft. Rucker, Ft. Campbell, Ft. Hood, Germany and National Guard units in Kentucky, Tennessee, Montana, Utah, Idaho, Texas, Arizona, Wisconsin, Indiana, Illinois and Alabama.

**Other Readiness Enhancements.** In 1995 we

established the Master of Readiness Award to recognize units with the highest mission capable rate. Initial winners included CONUS—5th Battalion, 101st Aviation Regiment; OCONUS—5th Battalion, 158th Aviation Regiment and 421st Medical Evacuation Battalion; National Guard—1-131 Assault Battalion. Also in 1995 we developed a new position in the UH PMO of Assistant Project Manager for Readiness responsible for working to improve worldwide readiness rates and to manage the data collection for the Master of Readiness Award.

Other readiness assistance measures include developing training videotapes on Corrosion Control and the Aviation Vi-

*“...the  
Black Hawk User's  
Conference ...  
provides a forum  
for exchanging  
information and  
resolving  
issues.”*



bration Analyzer to answer specific requests from field units for more instruction/technical assistance in those areas. Another 1995 initiative was the Interactive Electronic Technical Manual (IETM), whereby we fielded one CD ROM which has all the information contained in Black Hawk technical manuals, which when stacked, reach over eight feet in height. The IETM also includes troubleshooting graphics and convenient links to transition from one publication to another, i.e., from repair manual to parts manual.

**Scheduled Maintenance Reduction Program.** This is perhaps the program with the most potential for improving readiness. The initiative started with a review of scheduled maintenance requirements contained in the Preventative Maintenance Services inspections, PMS-1 (10 hour/14 day) and PMS-2 (500 hour). The inspections were compared with Sample Data Collection (SDC) information from 130,000 flight hours. This SDC data was analyzed to identify inspections which rarely, if ever, found faults.

As a result, some of the PMS-1 inspections were eliminated or moved to PMS-2. An initial validation test conducted at Ft. Campbell yielded a 33% manhour savings to complete the PMS-1 inspection. Since up to 50 of these PMS-1 inspections are performed during every 500 hour PMS-2 cycle, manpower savings should be significant. The new PMS-1 was published in August 1996 and the field should begin benefiting from those manpower savings soon.

**Reliability Improvements.** One area in which there remains much to be done is in designing, procuring and fielding com-

ponents which improve readiness by reducing maintenance workload. While we have used the Value Engineering, Operation and Support Cost Reduction and Modernization Thru Spares programs to fund the nonrecurring cost of redesign, fielding the new components is cost prohibitive given the level of modification funding afforded the Black Hawk program. Components such as improved main rotor spindle, elastomeric main rotor rod end bearings, sealed lead acid battery, improved high speed shaft, universal Auxilliary Power Unit (APU) particle separator, engine air particle separator, wide chord blade, and improved reliability digital radios incorporated with a 1553 data bus all offer significant reliability improvement and readiness enhancement. All are designed and ready for production, yet funding will not be available until a major Black Hawk modernization program begins around the year 2004.

**Future Readiness.** Now that we have finally attained the elusive goal of 80% mission capable, our challenge will be to maintain fleet readiness above that goal (and to improve it even more)! Our commitment is to continue to develop innovative ways to assist the soldier in the field in meeting that goal.

★ ★

*COL Rees is the Project Manager, Utility Helicopters, St. Louis, MO.*

*LTC Noonan is the Assistant Project Manager for Readiness, Utility Helicopters PMO.*

*"An initial validation test at Ft. Campbell yielded a 33% manhour savings to complete the PMS-1 inspection."*

## A VIEW FROM THE RIVER BANK: BRIDGE BUILDING IN ARMY AVIATION

The OH-58D Kiowa Warrior remains the premier armed reconnaissance helicopter in the world and continues to serve as a "Bridge to the Future" until the RAH-66 Comanche is fully fielded. The superb teamwork between government and industry is the catalyst that allows this aircraft to continue to adapt to new technology while maintaining the highest readiness rates.

In early 1997 the US Army is planning an important Advanced Warfighting Experiment (AWE) known as Task Force XXI—an exercise that will examine the ways in which a brigade sized task force can exploit the latest information and digital technology, enhancing our capability to meet the challenges of the 21st Century. The OH-58D has been selected to provide armed reconnaissance for this AWE.

**"Laying the Foundation"—Current Status and Kiowa Warrior Fielding.** Since initiating Kiowa Warrior fielding in mid-1991, deliveries have stayed on or ahead of the Department of Army Priority

### *The latest update from the OH-58D Kiowa Warrior Product Management Office.*

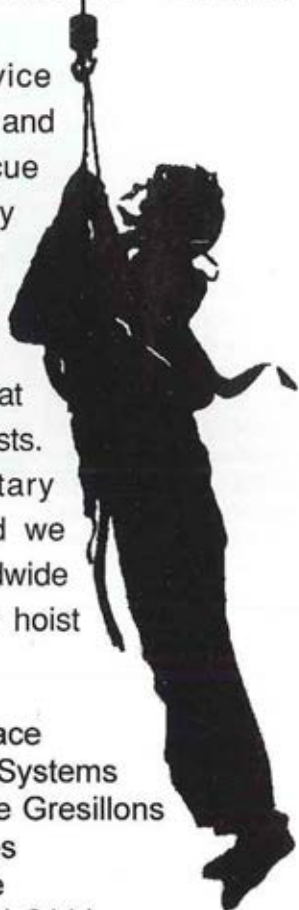
List (DAMPL) sequence schedule. The Project Manager (PM) has fielded 287 Kiowa Warriors through FY96. The PM is close to completion of the retrofit program in which unarmed AHIPs are upgraded to Kiowa Warriors at Bell Helicopter. All AHIPs from the field have been turned in to the retrofit program.

Although production and fielding of the Kiowa Warrior will continue throughout FY98, the PM office in St. Louis has been reorganized into a Product Manager's Office. We must say farewell to COL Ed Goosen, who has moved up to the PEO-Aviation staff and welcome LTC Lawrence Ginder as the new PM.

Kiowa Warrior readiness rates have averaged above the DA standard of 75% Mission Capable (MC). This excellent record reflects the great efforts of all the KW team members, including the unit maintainers, the contractor field service representatives, the PM office, the ATCOM logistics offices, the AMC subordinate commands, and the KW contractors. To enhance the readiness of

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the fleet, additional fleet sustainment MWOs which include AIM-1 lasers, rocket blast inlet shields, Multi-Purpose Light Helicopter (MPLH) A-Kits and cargo hooks, universal weapons pylon upgrades, ALQ-144 mounting frames, low smoke combustion liners, night vision position lights, and copilot Air-To-Air Stinger missile tone are being fielded to ensure maximum system availability and improved war fighting capability.

**"Building the Bridge"—Planned Improvements to the Kiowa Warrior.**

This is a very exciting time for the Kiowa Warrior program as a large number of Mission Equipment enhancements are being made to the aircraft. One of the first new additions, the Embedded Global Positioning System and Inertial Navigation System (EGI), improves the aircraft's navigation and targeting accuracy and eliminates the need to periodically update the navigation system in flight. The EGI is in flight test and will be incorporated in production aircraft delivered after December 1996, concurrent with installation in the existing fleet of Kiowa Warriors through field retrofit.

Another major enhancement in the works is a new mission computer, known as the Improved Master Controller Processor Unit (IMCPU). The current mission computer is now running at over 90% of its capacity. The IMCPU provides the enhanced memory capacity and speed viewed as absolutely essential to the digital battlefield. The IMCPU will include the added capabilities of a digital moving map display and an image

transfer system. The moving map display reduces the pilot's workload and improves situation awareness, while the image transfer system enhances the Kiowa Warrior's capabilities as a scout by allowing images from the Mast Mounted Sight to be transferred to other aircraft or the ground. The IMCPUs, currently in test at Bell Helicopter's System Integration Lab, will be included in all aircraft produced after February 1997. Funding currently precludes a field retrofit of the fleet at this time.

Digital radio communications will be improved by replacing the existing Airborne Target Handover System (ATHS) with the Improved Data Modem (IDM). The IDM provides a faster communication rate (16,000 versus 1,200 bits/sec) and permits operation within Multiple Joint Message Protocols. Additionally, the IDM is capable of transmitting on two or receiving data on four radios simultaneously. Integration of the IDM

onto the Kiowa Warrior was recently begun. The current ARC-201A Single Channel Ground and Airborne Radio System (SINCGARS) will be replaced with the ARC-201D SINCGARS System Improvement Program (SIP) radio. The SINCGARS SIP embeds communications security devices and data rate adapters into the radio and increases data communication speed and range in high noise or jamming environments. The IDM and SINCGARS SIP will also be included in all aircraft delivered after February 1997 with field retrofit beginning in FY97.

The Kiowa Warrior's "eyes"—the Mast Mounted Sight (MMS)—are being en-

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hanced through a processor upgrade, the Improved MMS System Processor (IMSP). It provides increased tracking and targeting performance by allowing the operator to simultaneously track up to six targets, detect moving objects as potential targets, track targets behind small obstacles without breaking track, and display both TV and IR sensor images on a split screen format. The IMSP will be included in all production aircraft delivered after February 1997.

Paralleling mission equipment upgrades, another exciting enhancement is the Safety Enhancement Plan (SEP). The SEP includes the addition of a Full Authority Digital Electronic Control (FADEC) to the ongoing engine performance improvements. The FADEC provides a number of significant benefits by reducing the possibility of rotor droop, anticipating engine power requirements, increasing compressor surge margins, and improving engine starting in both hot and cold conditions. The SEP also includes augmentation of the aircraft with crashworthy seats, cockpit airbags system (CABS), and Inflatable Body And Head Restraint System (IBAHRS). All of these benefits work to greatly reduce the pilot's workload and improve the performance and safety of the aircraft.

**"Paving the Way to Digitization—Task Force XXI"**. The Kiowa Warrior has been selected to support a series of Army Warfighting Experiments (AWE) that will demonstrate the Army's concept of the digital battlefield of the 21st century. Eight of the 1-10 Cav's Kiowa Warriors have been modified with all of the digital mission equipment enhancements described above. The eight modified aircraft will have one unique enhancement that will not initially be present in production aircraft—software that allows them to communicate using

Variable Message Format (VMF) messages.

VMF, compatible with ground forces appliqué hardware, will be the standard message format used throughout the Task Force XXI exercise to maintain Situation Awareness and provide digital communication with air and ground elements both horizontally and vertically across the battlefield—making the aircraft a true "Information Warrior". Situation Awareness on the Kiowa Warrior will be provided by VMF messages containing friendly and enemy positions displayed on the aircraft's moving map display.

The Task Force XXI exercise in March 1997 will demonstrate how this information technology can lift the fog of war, increase operational tempo, and enable the flexibility that will be required in the Army of the 21st century. Production Aircraft will be available beginning in March 1997 to support all of the Army's Digitization initiatives including the Digital Division 2000. Throughout this evolution the Kiowa Warrior has and will continue to proudly serve its role as a "Bridge to the Future"!

★ ★

*LTC Weger is the Assistant Product Manager for Kiowa Warrior Readiness, Kiowa Warrior PMO, St. Louis, MO.*

## AAAA LOCATOR

CWO James D. Barton, II is trying to find information on **William G. Beatty, Jr.** Bill was in Warrant Officer Flight Class 69-17 at Ft. Wolters, TX. His last known assignment was as an AH-1G pilot with the 1/9 Cavalry, Vietnam, 1970.

Please contact Jim Barton at: 619 Southwind Ct., Collinsville, IL 62234-1542, Tel.: (618) 346-0658 or at ATCOM, AMSAT-D-SSC (ATTN: Jim Barton), 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798, Tel.: (314) 263-7814.



## CH-47D AND THE IMPROVED CARGO HELICOPTER

Although the first modernized CH-47D Chinooks, which entered Army service in 1982, are approaching the end of their projected service lives, the Army expects to keep CH-47Ds fully operational over 5,000 flight hours each, during the next 20 years. Beyond that threshold, operating and maintenance costs are projected to rise steeply.

Therefore, after the year 2002, the 20th anniversary of the CH-47D modernization program, Chinook fleet availability will begin to diminish, while maintenance manhours/flight hours will continue to rise.

The Army cannot allow this to happen. The heavy-lift requirement the Chinook fulfills will increase to meet new OPTEM-PO demands; and the Joint Transport Rotorcraft (JTR), slated to replace the Army's CH-47D, the CH-53 in the Navy and Marine Corps, and current U.S. Air Force helicopters, won't be ready until 2015. Clearly, something must be done to keep the Chinook fleet operating effectively until the JTR can take over.

Therefore, the Improved Cargo Helicopter (ICH) has been cooperatively developed by

### *How the ICH will bridge to the joint transport rotorcraft era.*

the U.S. Army with technical support from Boeing. The Army has recognized the need to modernize Chinooks and meet the heavy-lift requirement. Boeing has comprehensively analyzed technology options to meet the requirement. Soon, the final ICH configuration will be defined, and the ICH Operational Requirements Document (ORD) approved.

To take the Chinook to at least 2025, the Army proposes increasing Chinook engine performance, by making the more powerful AlliedSignal engines on the MH-47E Special Operations Chinooks the new standard for the entire CH-47. The Army can accomplish this task by upgrading existing engines to a new T55-GA-714A model, which increases performance by 22 percent over the current T55-L-712, to more than 4,000 continuous shaft horsepower. Also slated for addition:

- engine barrier filters, to keep sand and debris from engine ingestion,
- Full Authority Digital Electronic Control, to provide optimal fuel control,
- and an Improved Magnetostrictive Torquemeter system.

Engine upgrades, planned for 1998 at

\$1.1 billion, will reduce operating and support costs by 30% and dramatically improve reliability. Increased engine performance will give the Chinook greater payload and range. A fuselage remanufacturing and tuning program, will focus on 300 Chinooks at a cost of about \$2.2 billion. Beginning in FY98, manufacturing will begin on two ICH pre-production aircraft for delivery by FY 2001, followed by 12 production aircraft in FY 2002, and 24 in FY 2003 and each year thereafter.

Army plans call for 400 Chinooks to be modernized to maintain heavy-lift fleet capability until 2025. ICH remanufacturing will give the Chinook a 20-year life extension. "Fuselage tuning" is also integral to the program and it is based on research and testing being conducted at Boeing, to cut rotor-induced vibration by as much as 50%. Tuning techniques will provide longer airframe and component lives. Important benefits will come in areas such as cockpit instruments, avionics and dynamic components. Lower vibration also may reduce weight by eliminating heavy vibration absorbers currently in use. Operating and support costs could be cut as much as 40%.

Finally, the ICH program will improve avionics by providing a digital data bus with integrated cockpit displays and substantial growth features, permitting the CH-47 to easily migrate to full compatibility with the 21st century digital battlefield. Other ICH goals include improvements in cargo handling, air transportability and rotor hubs. ICH will keep a proven aircraft and provide exceptional capabilities at the lowest cost.

The Army has capitalized on the team approach to ICH, including contractor contribution to the R&D phase to meet the warfighting needs well into the next century.

★ ★

*Mr. Winkler is the Product Officer, Cargo Helicopters PMO, U.S. Army ATCOM, St. Louis, MO.*

**AMC**

(Continued from Page 6)

the future commander to embassy, law enforcement, maritime, and other civil networks during humanitarian and peace-keeping missions.

Although ATCOM is dissolving and its function relocating to several other AMC major subordinate commands, Army Aviation, because of its increased involvement in various actions and contingencies around the world, will continually require quick, decisive response and support.

AMC is dedicated to providing that continued support as ATCOM's Aviation mission area transitions next year to Redstone Arsenal in Huntsville, AL, to form a new major subordinate command to manage aviation and missile product lines.

Aviation and Missile Command (AMCOM) will be our new multi-functional command of the 21st Century. It will be a challenge to move such a large mission and its related inventory control point, but I have complete confidence that MG Gibson and the ATCOM team will see that it's done efficiently, with minimal disruptions for our customers.

I also am confident that ATCOM's dedicated employees will continue to excel, now and in the future, in AMC's core competencies:

- acquisition excellence,
- logistics power projection,
- and technology generation.

These core competencies, performed by these great people, are our means to the end: providing responsive customer support to our warfighters around the globe.

★ ★

*GEN Wilson is the Commanding General, U.S. Army Materiel Command, Alexandria, VA.*

## THE FIXED WING FLEET

*"The only constant is change. Managing that change is our challenge."*

The Army's Fixed Wing Fleet is moving "Straight into the 21st Century" as a versatile, affordable, and supportable element of Force XXI. As the Army Doctrine changes from "Forward-Based" to "Force Projection" the mission and materiel requirements of the Operational Support Airlift Command, General Support, and Airborne Reconnaissance aircraft are similarly changing. The Training and Doctrine Command (TRADOC) is busy defining system requirements that will provide the "War Fighters" with the lethality, speed, protection, and versatility needed to make Force XXI a fully matured reality. The Program Executive Officers (PEOs) are assuring that materiel solutions are interoperable and compatible with the existing and emerging systems of our sister services and international allies.

So, how does the Aviation and Troop Command (ATCOM) and the Fixed Wing Product Manager's Office (FW-PMO) fit in this picture, and what are we doing? ATCOM plays four major roles concerning these activities:

- **Materiel Development**—Identify and procure aircraft that best meet the needs of the field Army.
- **Readiness**—Assure that aircraft systems are maintained and supported throughout their life cycles to the readiness levels required by the "War Fighters."
- **Cost Reduction**—Identify innovative approaches to accomplish-

ing acquisition and readiness tasks which reduce costs and maintain or increase readiness levels.

- **Communications With the Field**—Listen to the users and keep the users informed of ongoing and upcoming projects.

**Materiel Development.** As a Materiel Developer, we have several major procurements and projects in progress. Each of these efforts is based on procurement strategies and plans to reduce Military Standard and Specification requirements and meet the Acquisition Streamlining Act's goal of procuring Commercial-Off-The-Shelf (COTS) systems.

**UC-35A**—The UC-35A (formerly the C-XX MR) will fill the medium range



gap (500-1800 NM) that currently exists between the Short Range aircraft (C-12) and the Long Range aircraft (C-20). ATCOM has contracted with the Cessna Aircraft Company to purchase seven UC-35A aircraft, along with the required aviator training, and Life Cycle Contractor Support. The first aircraft is scheduled for delivery next month and, pending budget approvals, the Army will procure 35. The first operational UC-35A will be assigned to support the CINC USAREUR in January 1997.

**C-23B+**—The C-23B+ program is in full operation. The program converts the civilian, Shorts SD3-60 aircraft into an Army utility aircraft capable of both cargo and passenger hauls, incorporating a rear loading ramp and cargo handling subsystems. Upon contract completion, a total of 28 C-23B+ Sherpa aircraft will be operational with the Army National Guard (ARNG), providing the Theater Commander with organic inter- and intra-theater general aviation support. The first aircraft was delivered to the ARNG on 25 June 1996, with a total of four aircraft presently delivered. The 28th aircraft is scheduled for delivery on 14 April 1998.

**C-12R**—The FW-PMO is continuing to procure the newest version of the venerable C-12 family. The C-12R is a sterling example of a COTS procurement. The C-12R is virtually identical to the commercial Beech Super King Air 200. The C-12R is equipped with state-of-the-art commercial avionics systems, including: Five tube Electronic Flight Instrument Systems (EFIS), vertical profile radar, KFC-400 digital autopilot systems, GNS-

XLS Flight Management System (FMS) with integrated Global Positioning System (GPS), S-Mode transponder, and latest generation King Gold Crown radios. Fielding is scheduled to be completed in 1996 with five aircraft being delivered to OSACOM and twenty four going to Reserve units.

**Readiness.** As the responsible Command for Aircraft Readiness, ATCOM has numerous initiatives in progress to support the fixed wing fleet.

**C-12/U-21 LCCS**—This is the largest and most complex readiness task the FW-PMO has ever tackled, but it is a

unique Tri-Service (Army, Navy, and Air Force) effort which leverages cost savings by consolidating Tri-Services support requirements. The Army, as the largest user, serves as the lead agency for this contract. A full and open competition was recently conducted which resulted in the services choosing AGES Group Inc., as the "best value" contractor for

***"The first operational UC-35A will be assigned to support the CINC USAREUR in 1997."***

the next five year support effort. Although Raytheon Aerospace has served the Army for more than 20 years, they are transitioning support activities to AGES Group Inc., the Army's new contractor. While ATCOM remains committed to logistics support, the command is continually striving to achieve cost efficiencies in order to cope with ever-decreasing funding.

**Aircraft Condition Inspection (ACI)**—The ACI is an integral part of fleet safety and sustainment. ACI is a thorough, structural airframe inspection at periodic intervals. During ACI, the aircraft is completely depeneled and all the areas not normally inspected during rou-

tine maintenance are inspected and repaired as necessary. ACIs are key to assuring the continued quality and integrity of the Army fixed wing fleet well into the 21st Century.

**KLN-90B Installation**—The installation of the KLN-90B Global Positioning System is complete. The KLN-90B meets the standards established in Technical Standard Order (TSO) C-129-A1 and is certified by the FAA for IFR enroute and non-precision approach execution. This system will be installed in all C-12 and RC-12 aircraft. This system provides a practical, low-cost solution to long-range navigation requirements.

**X-1000 Stormscope Installation** - The addition of the WX-1000 Stormscope to the cockpit of the C-12 aircraft is another giant step forward in modernizing the fleet and enhancing safety. The Stormscope, when used in conjunction with the weather radar, provides flight crews with the weather information necessary to avoid lightning strike "high-risk" areas. The number of lightning strikes reported this past year was reduced significantly. The addition of the Stormscope represents another successful cost avoidance.

**Automated Engine Trend Monitoring System (AETMS)**—The AETMS collects engine performance information directly from the engine sensors through the Flight Data Acquisition Units. The system is a powerful data collection tool which digitally records engine and airframe ambient parameters. The data is exported directly to the Pratt & Whitney engine condition monitoring software, which generates trend charts graphically depicting the health of the aircraft engines. This allows the data analyzer to accurately predict engine problems before they become a hazard to flight.

In addition to gathering engine performance information, the system incorpo-

rates an embedded air data sensor that is capable of providing heading and altitude information to the long range navigation system. The AETMS data will be used for fleet management decisions that will improve operating efficiencies, while reducing maintenance support costs, and contributing significantly to continued safe operations. Although ATCOM's primary goal is to extend engine Time-Between-Overhauls, this system is another cost-avoidance success.

**Fixed Wing Data Base**—Under contract to the Army, Science Applications International Corporation (SAIC) developed the fixed wing management database. This database contains more than 140 data fields for each C-12, RC-12 and C-23 aircraft in the inventory. The database provides information on flight hours, cycles, avionics and interior configurations, as well as ACI schedules and scores. ATCOM Fixed Wing staff members use this information to develop budgets, plan ACI and refurbishment activities, and monitor the location of all fixed wing aircraft. This is a "real time" system. Each of the Contracting Officer's Representatives (COR) provide the basic information about the aircraft for which they are responsible, and are encouraged to keep the information current.

**Cost Reduction.** Value Engineering (VE) is ATCOM's primary tool for developing cost-reduction initiatives. In VE, cost-reduction ideas are formalized and tracked by the ATCOM Value Engineering Office. Issues are evaluated for cost of implementation and the cost savings that will be realized after implementation. ATCOM is actively seeking VE suggestions from all sources and the FW-PMO is no exception. Ideas that may save money, increase readiness rates, or make the fixed wing fleet better are always welcome. Please contact us through the



Fixed Wing Bulletin Board System or directly to the FW-PMO.

**Retirements.** *U-21 (Ute)*—With the exception of five special-purpose aircraft, the U-21 fleet has been retired. U-21s have provided invaluable service to the United States Army for more than three decades. Most of the recently retired aircraft are veterans of the Viet Nam War. They served as cargo haulers, people movers, and electronic warfare platforms. Because of force realignment and national defense policy, these aircraft are no longer suitable or affordable to support the War Fighters of Force XXI. It's like seeing an old friend retire, but it is time to move on.

**Communications With the Field.** Our support contractor (SAIC) has developed and manages the Fixed Wing Product Management Office Bulletin Board System (FW-PMO BBS) for the exchange of information among the Contracting Officer's Representatives, Users, and the Product Management Office. This BBS uses state-of-the-art equipment, and can be reached at (334) 598-6755 or 1-800-587-FWPM (3976) (the 800 number may be used in all 50 states). All customers are encouraged to use the BBS to communicate fixed-wing issues to each other and this office. In addition to the FW-PMO BBS, a quarterly newsletter, *The Fixed Wing Flyer*, keeps users abreast of ongoing activities. Send issues for the *Flyer* to:

Mr. Mike Fitzpatrick  
Science Applications International Corporation  
807 Donnell Blvd., Suite I  
Daleville, AL 36322  
or use the FW-PMO BBS.

***"The Fixed Wing Product Management Office Bulletin Board System can be reached at (334) 598-6755 or (800) 587-FWPM (3976)."***

As always, we will continue to take calls from the field on any issue concerning the operation, maintenance, and future of the fixed wing fleet.

We are continuing to develop the Fixed Wing Fleet into the efficient, affordable, modern, and versatile asset that will be needed to support Force XXI. We are actively looking for ways to increase the utility of the Fixed Wing Fleet while reducing costs and increasing efficiency. We are proud of our achievements in streamlining procurement, eliminating unnecessary "red tape", and improving communication with the field. However, technology is changing too rapidly to stand still. We must keep our ears to the ground, our minds open, and our eyes to the future.

As we move into a new Fiscal Year—a year of opportunity and change—we need to remember that the only constant is change. Managing that change is our challenge.

★ ★

*LTC Cason is the Fixed Wing Product Manager, U.S. Army ATCOM, St. Louis, MO.*

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## THE NON DESTRUCTIVE TEST EQUIPMENT (NDTE) SYSTEM

NDTE is used two significant ways. The first is the "fingerprinting" (documenting the as-manufactured state) of new parts and assemblies before putting the hardware into service. Later, these "fingerprints" can be compared to "fingerprints" of the same parts and assemblies after they've been in service. The results of the comparison will reveal important structural changes (flaw propagation including disbands), for example. This testing determines the actual part/assembly life, producing increased service limits for time-limited parts and assemblies.

Secondly, and most commonly, NDTE detects flaws in suspected structural areas of airframes which were not initially fingerprinted. This process visualizes small (or large) imperfections (flaws) which exist in structural airframe materials such as ferrous and non-ferrous metal parts as well as composite material parts. Many times these flaws are below the surface of the material and therefore hidden from the human eye. These flaws occur for many different reasons. They have the potential to result in catastrophic structural failures. Currently,

*The Army is equipping its first AVIM unit with state-of-the-art NDTE which will reduce failures and save lives and dollars.*

the Army detects flaws primarily by:

- Liquid Dye Penetrant (PT) Testing
- Magnetic Particle Testing (MT)
- Local contractor
- Notification from other services
- Removing parts/assemblies and shipping to a depot
- medical X-Ray equipment

Fortunately, we are now ready to move ahead with the introduction of some amazing new inspection technology. The Aviation Ground Support Equipment Weapon Systems Management Office (AGSE WSMO) of the Aviation and Troop Command (ATCOM) in St. Louis, MO fields this new technology.

The NDTE System is comprised of the following items of inspection equipment:

- Radiographic Test Unit (RT)
- Ultrasonic Flaw Detector (UT)
- Eddy Current Tester (ET)
- Harmonic Bond Tester (BT)

Test equipment accessory items include:

- radiographic film developing equipment and materials,
- radiation safety devices,
- tester probes,

- transducers, etc.

Each AVIM and AVCRAD unit is to be outfitted with one RT and two each of the UTs, ETs and BTs, along with their associated accessories. The requirement for two each of the UTs, ETs and BTs is to provide units with the flexibility to simultaneously perform NDI at two locations.

Operator/Tester training is a major part of the NDTE Program. The Powertrain Repairman (Military Occupational Specialty (MOS) 68D has been selected to perform nondestructive testing for the Army. There are approximately 35 technicians who are currently qualified to operate and perform aircraft nondestructive testing with the NDTE System. These technicians received their special training at the Interservice Training Review Organization (ITRO) in Millington, TN. The Army plans to increase the number of personnel in this training as required to match the fielding of NDTE Systems.

Daily/scheduled maintenance for the NDTE System will be performed by the MOS 68D technician. All other required maintenance below the depot level for the system will be performed by the MOS 35H Test, Measurement and Diagnostic Equipment (TMDE) Technician. The X-ray unit tube head will be maintained and repaired by the contractor (Lorad Corporation). USAF Technical Orders (TOs) will be revised to become USAF TOs/US Army Technical Manuals (TMs). Airframe and component Nondestructive Testing/Inspection (NDT/I) Procedures have been developed and verified at Ft. Eustis, VA. About 400 procedures will be converted from the PT or MT processes, to support the current Army rotary-winged fleet. These procedures will be supplemented by training videos.

For structural flaw detection in Army aviation, nondestructive testing is the only way to go.

NDTE and its Integrated Logistics Support System will be procured through the USAF. While the USAF, US Navy and the US Marines have operated this equipment as a standard process with great success and cost savings/avoidance, the Army thus far has only used this technology on a limited basis. If the other services have procured, tested, operated and supported this equipment and are still operating the same equipment, the Army should not waste tax-payer dollars repeating procurement actions where aircraft nondestructive test requirements are not greater than the capabilities of existing production equipment. This is the essence of the nondevelopmental item acquisition process. Consequently, the Army will procure the NDTE System and Logistical Support (as required) via a Military Interdepartmental Purchase Request (MIPR) and Memorandum of Agreement (MOA) with the USAF. This will result in savings to both the Army and the USAF.

Two gains:

- finding defects which are not visible by any other means can prevent catastrophic failures and the associated costs and loss of life,
  - and avoiding premature disassembly and removal of aircraft parts and assemblies to perform structural inspections which can now only be performed in shops result from the operation of the NDTE System.
- The Army can also avoid the replacement of parts from time limitation where there is no means of inspection.

When the NDTE System and trained personnel are fielded the Army will save tax dollars and lives. Cost and readiness improvements will accrue in the following areas:

- Increased weapons system availability
  - Reduced maintenance man-hours
  - Reduced ODCs
  - Reduced dependency on contractors
- Aircraft will fly longer and more safely.

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The Army's NDT Program Office at ATCOM manages:

- Central worldwide management point for NDT including activities at AVUMs, AVIMs and depots
- Standardization of equipment and support for fielded systems
- Army NDT policy and guidance
- NDT for PEO aviation programs
- Training support and guidance
- Requirements and technology update management.

The Nondestructive test equipment to be fielded by ATCOM includes a 160kv Portable Industrial X-ray System. As this system emits hazardous levels of radiation, its safe use depends on strict adherence to established safety procedures. A comprehensive radiation protection program must, therefore, be fully implemented. Adequacy of

this program must also be verified by ATCOM before issuance of radiography equipment. ATCOM has provided detailed radiological safety information directly to the Commander of each AVIM and AV-CRAD (and to supporting safety personnel). Commanders must review this information and assure full implementation of all radiation protection program requirements prior to materiel fielding of nondestructive test equipment. Contact your radiation Protection Officer, MACOM Radiation Control Officer or the ATCOM Health Physicist Mr. Dennis Chambers, at DSN 693-2196 (Commercial (314) 263-2196).

★ ★

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## **HUNTER TRAINING DEVICES INITIATIVE**

The Hunter Unmanned Aerial Vehicle (UAV) System is the first UAV System deployed to the U.S. Army as an organic asset. As such, it presented the challenge of devising the most effective way to train the soldiers who will operate the system. A set of computer-age tools are key to the comprehensive training capability that has been developed as part of the overall fielding plan for the Hunter.

The initial step in determining the tools needed was a series of Integrated Product Team (IPT) meetings in June 1994. The team was made up of operational users, government and contractor training systems experts, and Hunter system engineers. Addressing training concepts, this group analyzed training media using military training analysis models, which allowed them to select from a range of media and categories. With these models the team developed and validated the Instructor and Key Personnel Gross and Critical Task Lists. These lists formed the baseline of training requirement for the Hunter UAV personnel. Using these analyses, a number of efficient and cost-

*The first  
UAV system  
deployed to the  
U.S. Army as  
an organic asset  
uses a new  
training concept.*

effective devices were selected to support training and fielding to the Army. These devices are under development by TRW.

**Institutional Mission Simulator.** The Institutional Mission Simulator (IMS) replicates Hunter UAV ground control, launch and recovery, and mission planning stations. The simulator is being installed in the National UAV

Training Center, at Ft. Huachuca, AZ, as the capstone of the operator training devices. The IMS provides UAV training for air vehicle operators, mission payload operators and unit commanders. This object oriented system provides for instructor generated scenarios in a fully certified Distributed Interactive Simulation (DIS) environment employing Entity State, Radio Communications, Atmospheric Environments, Electromagnetic Environments, Collisions, Detonations, Engines, Payloads and Sensors effects for individual, collective and multi-echelon training. A full range of avionics, sensors, and payload emergency faults will be provided. The architecture is based on the JPO UAV Joint Interoperability Inter-

face and is a true Multiple UAV Simulation Environment where UAVs are handed off between ground control stations.

The IMS enables instructors to train air vehicle operators on flight skills, payload operation, mission commander and data exploiter functions in a safe and controlled environment. Consisting of Instructor Operating Stations and 12 Operator Triconsoles (two student positions per triconsole), the simulator uses hardware and software that looks, feels, and responds like the Hunter system. Students can realistically train without expending fuel, spare parts, or risking damage to an operational air vehicle while practicing emergency procedures.

Other benefits include reducing the loss of valuable training time due to weather and availability of operational equipment. Compression of mission profiles also maximizes training time, providing significant efficiencies over actual flight operations.

In addition, the IMS reduces instructor requirements. With the Instructor Operator Station, a single instructor can monitor and train six students simultaneously. The instructor also can ensure standardization and maximize training for all students. TRW developed software and integrated Commercial-Off-The-Shelf (COTS) hardware in the development of the IMS. Hardware was procured from numerous subcontractors including, Sun Microsystems, Motorola, Advanced Video Technologies, Electrorack, Newark, Advanced Input Devices, MSI, and Datacube. With final IMS delivery scheduled for February 1997, a phased approach has been used to meet concurrent training requirements. This provided the initial capability for the training base as rapidly as possible, with additional capabilities added as they are developed and validated.

Phase I, installed in October 1994, consisted of five representative triconsole configurations made up of Hunter Computer Console Assemblies, Application Processors, and Air Vehicle Location Displays. This allowed Hunter Classes 95-1 and 95-2 to learn and interact with system control menus, create mission plans, and analyze taped video.

Phase II, installed in February 1995, incorporated the five representative systems from Phase I into triconsole racks, four additional triconsoles were also added. Representative Mission Control Units (MCUs) were added in April, along with soft panels for flight control. Also delivered were an initial Instructor Operator Station and limited flight simulation. To date, the Phase II IMS has been used for government and TRW instructor currency training, as well as four Hunter classes currently in session.

The IMS Phase II capability reduced actual flight training hours by 50%. At the same time the incorporation of simulation allowed for a 90% increase in student hands on training, increased student throughput, and based on student and instructor comments, greatly enhanced training quality.

In its final state, the IMS will be able to link into the Distributive Interactive Simulation Network so the National UAV Training Center can access Battle Lab scenarios allowing students and cadre to participate in virtual battles.

**Maintenance Training Devices.** Maintenance training devices support hands-on training for mechanical and electronics technicians. Four devices help teach basic skills and capabilities in concept recognition (fuel, engine, and airfoil concepts), measurements, safety wire, clamp installation, and engine checks with the exception of run-up.

The Fuel System Trainer is used for

instruction and evaluations to provide a clear understanding of fuel system operation. It also visually illustrates the interdependence of components needed to properly troubleshoot, repair, and maintain proper fuel system operations.

The Airfoil Trainer provides an understanding of basic aerodynamic principles necessary to adjust and maintain the flight control system.

The Mechanical Trainer is used to train students on how to properly safety wire, torque, adjust, and replace common hardware required to safely operate the Hunter system. It also develops the necessary skills in hardware selection, safety wire patterns, proper use of torque wrenches, and to adjust/safety wire turn buckles.

The Engine Trainer provides a clear understanding of engine operation and the maintenance of the power plant system. This helps train students in how to test, troubleshoot, and repair the Hunter engine.

**Computer Based Training Devices.** Computer Based Training (CBT) devices enhance operator and maintenance training through multi-media CBT presentations. Students will proceed at their own pace through an interactive computer presentation and evaluation, which will feed into an automated system to track student progress. These devices will ensure consistency and proper coverage of critical points.

**Training System Support Center.** The Training System Support Center performs all technical and managerial functions necessary to support, maintain, configuration manage, and update the Hunter training.

**Remote Control and One Third Scale Model Air Vehicles.** Operational third-scale Hunter air vehicles with COTS control radios and engines are used to train external pilots. These models help

the student transition from commercial remote control model trainers to the full-scale Hunter and maintain proficiency when full-scale Hunters cannot be flown.

**Fort Hood IMS Deployment.** In November 1995, at the request of the Hunter TRADOC System Manager, a Hunter IMS was sent to Ft. Hood, TX. Alpha Company of the 15th Aerial Exploitation Battalion (AEB) uses the IMS to support refresher training and real world mission rehearsals. This enables the 15th AEB UAV operators to train and maintain proficiency in a simulated and virtual world prior to deployment regardless of environmental conditions. The Hunter's Enhanced Mission Planner was integrated into the IMS and used for mission rehearsal prior to Task Force (TF) Hunter's very successful National Training Center (NTC) deployment in support of 2nd Brigade Combat (BCT)/4th Infantry Division. Additional simulation capabilities will be added as they are developed and validated by the TRW Training Devices Development Team.

**Revolutionary Training Concept.** The Hunter UAV System is providing a significant enhancement to the commanders ability to win the battles of the 21st century. Accompanying Hunter into the training base and into the field is a revolutionary new training concept. This concept relies on the best technology to facilitate training and does so in a timely, efficient, and cost-effective manner.

★ ★

*LTC Emerson, Ret. is the Senior Program Manager for Unmanned Aerial Vehicles (Training Devices), TRW Avionics Systems Division, Space & Electronics Group, San Diego, CA.*

*SFC Grosinsky, Ret. is a Department of Army Civilian and UAV Instructor at the National UAV Training Center, Fort Huachuca, AZ.*



## GROUND PROXIMITY WARNING SYSTEM

**C**FIT, the acronym for Controlled Flight Into Terrain, refers to an aircraft accident that was preventable. In a CFIT situation, the mechanically sound aircraft is capable of normal flight, and the pilot who was not disabled had the aircraft under positive control. With those factors as the basics, most CFIT incidents involve an aircraft that was inadvertently flown into the ground or into water.

Helicopters are especially prone to CFIT because of their unique flight regimes, which often put them within a few feet of tree-tops or the surface of the ground or water. The U.S. Army, as the largest operator of helicopters among the military services, has experienced a large number of CFIT incidents, as statistics going back some 15 years attest. In fact, according to figures released by the U.S. Army Safety Center at Fort Rucker, AL, rotary wing aircraft losses due to CFIT have seen a steady increase, based upon records predicated on five-year increments.

In the 1980-1984 period, for example, 19 helicopters were involved in CFIT,

*Can more  
Controlled  
Flight Into  
Terrain  
accidents  
be prevented  
with GPWS?*

resulting in \$27.4 million in losses. For 1985-1989, the accidents rose to 25, for a \$57.4 million loss. In the years 1990-1994, the latest 5-year reporting period, which included Desert Shield/Desert Storm, the losses reached 28 aircraft resulting in a cost of \$90.9 million. Of the total number of accidents, between 1980 and 1994, the vast ma-

majority—47—were Class A. DoD defines a Class A accident as one in which the aircraft was totally destroyed, resulted in at least one fatality, or a minimum of \$1 million worth of damage was done to the aircraft and/or property.

CFIT is usually attributed to pilot distraction, inattention, disorientation, fatigue, loss of situational awareness, and even optical illusion. According to Bob Brooks, Night Vision Systems Manager for the Aviation Branch of the U.S. Army Safety Center, those factors were especially evident during DESERT SHIELD and DESERT STORM.

One of the major problems that Army helicopter pilots encountered in the desert environment of the Gulf War was an in-

ability to see the horizon and distinguish the contrast between the surface and the sky because of the presence of sand dunes, blowing sand, and dust. These caused low visibility conditions, and the contrast between the surface and sky was often obscured.

Another contributing factor to CFIT during DESERT STORM was the dazzle caused by the firing of ordnance. Lack of crew coordination also played a role.

What complicates matters, as we know, is that most Army missions involving helicopters are generally carried out under visual flight conditions. Typically, helicopters are used in a tactical situation, which means that visual contact with the ground is constantly needed. Most Army helicopter missions are generally flown within 200 feet above the ground, and as little as a few feet above the trees.

Although most Army helicopter activity takes place over land, CFIT accidents are as much a risk over water, where a major problem involves the difficulty of seeing the horizon line. The tendency among pilots is to descend until they make visual contact with the surface. In doing so, they often are not looking for the horizon line and the contrast in definition between the surface of the water and the sky. With water, that is further complicated by the fact that surface definitions are constantly changing. It could be smooth or have white caps.

To date, the Army has addressed the CFIT problem by changing procedures for flying the aircraft.

According to Brooks, "What we tried to do during the Gulf War was to increase crew member awareness by emphasizing the hazards of desert flying. We also worked with helicopter crews to help them do better route planning, that would enable them to avoid areas of sand dunes, if possible."

The only other aid helicopter pilots have at their disposal is the radar altimeter, which has its limitations. Radar altimeter systems depend mainly on the orientation of the antenna. If the helicopter exceeds a specific bank angle, the pilot will not get a true reading of where the aircraft is in relation to the ground. At best, it shows the pilot where he is, and where he has been, but will not account for rising terrain.

Forward-Looking Infrared (FLIR), now used on the Army's AH-64 Apache attack helicopter, could offer some relief, but it, too, has its limitations. Under high humidity and cool temperatures, it does not give an accurate picture of how far above the terrain the aircraft is.

Reportedly, the Army is not actively pursuing any new technology to avoid CFIT. However, the Army was been invited to send observers to a demonstration by the U.S. Navy of the world's first Ground Proximity Warning System (GPWS) to be successfully tested in a helicopter application. The system has been shown in both Navy and civil trials to have eliminated the false alarms, typical of most GPWS, while still providing adequate CFIT protection.

Developed by Cubic Defense Systems of San Diego, CA, the GPWS was introduced as a fixed-wing system in 1992 on seven Canadian Forces C-130 transports.

Developmental flight testing of the system began in August 1995 at the Naval Air Test Center at Patuxent River, MD. The technical evaluation phase consumed more than 25 flight hours on a single Sikorsky CH-53E Sea Stallion.

In April of this year, the Navy commenced a further 40 hours of flight tests for operational evaluation, using the same aircraft, but at the Marine Corps Air Station, Yuma, AZ.

Reportedly, the GPWS has not had a

single failure, and has reduced nuisance alarms by over 95%. If the system proves itself in operational testing and is procured, studies done by the Navy's Director of Safety and Survivability indicate that it has the potential to eliminate 55-75% of helicopter accidents due to CFIT.

Conventional GPWS uses a pre-selected minimum altitude setting, which, if penetrated by the aircraft, will set off an aural or visual warning that closure with terrain is imminent. Warnings are triggered if the rate of descent, and barometric and radar altimeter information fed to the GPWS from the aircraft's instruments indicate that the edge of the envelope has been penetrated.

Because of the high incidents of nuisance alarms, the pilot is tempted to ignore or deactivate the system. Then, if the pilot becomes distracted, and the aircraft descends below a safe recovery threshold, CFIT is imminent.

To address this problem, a predictive approach was taken with the software design, using inputs from existing sensors aboard the aircraft, including the radar and barometric altimeter, attitude gyros, accelerometers and the air data sensor. The predictive design measures the aircraft's actual dynamic state every 1/10 of a second, and continuously computes the point at which a warning must be given to avoid penetration of a previously selected Minimum Recover Altitude (MRA).

To do this, the GPWS takes four altitude loss factors into account—pilot response time, roll recovery, rate of descent recovery, and terrain closure. If the sum of the four factors is equal to or less than the MRA, only then will the warning be sounded. Because it is a "just in time" warning, the pilot knows he must act promptly.

The GPWS is also the first to be terrain

predictive, in that it can warn of an impending collision with an upslope as well as level ground. This is based upon real-time historical terrain trend information drawn from the aircraft's radar and barometric altimeters, and a comparison of the altitude information provided by both sensors. It then stores the differences in the information from the two altimeters in the GPWS's memory. When enough data has been gathered to create a terrain trend, it projects that trend along the aircraft's flight path.

The software's architecture is expandable in order to accommodate new-technology sensors including windshear detection, forward-looking obstacle detection, and Global Positioning System (GPS) in conjunction with an imbedded digital terrain data base.

The GPWS computer employs an Intel i960, 32-bit processor unit, weighing 7.5 pounds, and contained within a 7.62 by 2.25 by 12.4 inch box. The processor unit is fully interchangeable with different aircraft types, without costly retrofits. The processor, which has built-in diagnostics, has been designed with a mean-time between failure rate of over 10,000 hours. Compatible with ARINC 429 or MIL-STD (Military Standard) 1553B data buses, the system uses standard aircraft electrical power and does not require forced air cooling.

For helicopter application, refinements to the software included provisions for prevention of tail strike, excessive bank angle warning, and slung load ground strike.

The warnings themselves are programmable and include standard synthesized voice, as well as cockpit displayed text or color graphics.

The GPWS also has a built-in data recording capability that will allow stor-

(GPWS — continued on page 45)



## CAREER TRANSITION: RESEARCH IS CRITICAL

From the moment you decide to leave the military until you get your first paycheck as a civilian, you'll be engaged in a critical effort—research. In fact, because of the nature of today's ever-changing corporate work environment, you may never stop researching. It could take several job moves before you are satisfied with your position, working conditions, pay and benefits, and compatibility with colleagues.

Before starting an extensive research program, you must know where you are headed. You don't want to know exactly what you want to do after leaving military service because that is part of a larger research effort. However, you need to have a general direction in mind or you will end up wasting time researching the world in hopes of finding the perfect second career. Perfection, of course, is rarely achieved.

Research is important, but it must not paralyze you and consume all of your energies. Some people allow research to become an escape mechanism, using the

*"If you cannot  
do this task,  
you are not  
ready to compete  
in the civilian  
work environment."*

process to procrastinate. But somewhere along the road a decision has to be made about which road to take. The sooner your decision is made, the easier it will be to do meaningful research and networking.

When should you begin research? There is no textbook answer to this question; research can be done anytime in your

career as you see opportunities to develop new interests. However, as a minimum, your research should begin one or two years before your expected separation from military service. This timing could be extremely critical if, for example, you decide that you need to update or upgrade your educational skills, need a different degree, or want to develop technical skills for a new field you want to enter. Degree programs not only require personal and possibly professional time but also cost money that you may not have planned for in the family budget.

Where should you start your research? This may surprise you, but start with yourself and your family because you have a vested interest in the outcome.

Discuss the following questions, for example: Are you and your family happy with what you have been doing for many years? Are you considering other careers? Do you like the area you now live in? What college plans do you and your children have? Such subjects need to be addressed before you begin researching the job market.

You'll be doing a lot of soul-searching at this time as you try to balance personal happiness with financial security in your second career plans. An objective review of where you are is key to knowing where you want to go. Make a list of all the things you'd want to do if you could fulfill lifelong dreams. This job wish list will be based on your interests, your experience in previous jobs, and your hobbies and skills. Once you have established one or more fields you'd like to enter, you can start collecting information about these fields. Go to local libraries, chambers of commerce, and businesses in your field of interest; check out the job resources on the Internet, attend job fairs, and generally gather as much information as you can.

Most large corporations now have a home page on the World Wide Web with general information about their organizations and an electronic mail address for requesting additional information or for posting your own résumé. After gathering and reviewing this general information, you can begin to target job opportunities and specific individuals.

Gathering information for a second career is like preparing a research paper for a college course: After gathering the information, you will have to do something with it. In the case of job research, you will then lay out a plan with milestones and adhere to the plan as though a flag officer had given you a

mission to complete. If you are as dedicated and attentive to detail in your career research as you were on active duty, you will be successful!

Finally, there are no shortcuts in this business. Do not be tempted to hire a job search consulting firm to do what you need to do yourself. If you cannot do this task, you are not ready to compete in the civilian work environment.

★ ★

*COL Crews is the Deputy Director, TROA Officer Placement Service (TOPS), Alexandria, VA. Reprinted with permission of The Retired Officers Association, 201 N. Washington Street, Alexandria, VA 22314. © 1996.*

## GPWS

(Continued from Page 43)

age and replay of up to 51 different flight parameters. Those parameters include, as examples, roll angle, rate of descent, air speed, or height above ground. This data is retrievable via laptop computer, which transfers the data onto a floppy disk. The disk can be run on any standard personal computer with software for data analysis.

This allows technicians or pilots to analyze every parameter associated with the GPWS, and to show under what circumstances the warnings were issued.

In the U.S. military, between 1987 and 1993, some 30 aircraft accidents per-year were caused by CFIT, and helicopters were involved in about half of those accidents. Estimates are that between 70 and 85 percent of those CFIT incidents could have been prevented if an operable GPWS had been onboard.

★ ★

*Mr. Seidenman is an aviation consultant, San Francisco, CA.*

## ADMRU PROGRAM SUPPORTS BRIGHT STAR 95

Mid-year FY95, planning cells from various States began detailed coordination in final preparation for BRIGHT STAR 95. For the first time, the event included deep attack helicopter operations using the AH-64 Apache.

In support of the 24th Infantry Division's ground maneuver elements, a battalion-size multi-national attack helicopter strike force was put together (Task Force 111). Building TF 111, French attack configured Gazelles, plus Apaches from Egypt and the United Arab Emirates, joined AH-64s and UH-60s from Florida Army National Guard's 1-111th Aviation to form a 30+ helicopter strike force.

To ensure a complete spectrum of Army aviation-unique support services for the aviation maneuver elements, two units from the Maryland Army National Guard were included in the deployment package—The 29th Air Traffic Services (ATS) Group would provide continuous interface for the multi-national joint staff through the CENTAF Air Operations Center; and the Mobilization AVCRAD Control Element (MACE) coordinating efforts of

*Aviation Depot  
Maintenance  
Roundout  
Unit provided  
comprehensive  
aviation  
logistical  
services.*

specialized intermediate and limited depot maintenance support teams made up of Guardsmen from six States.

Specific details of their participation in the exercise were provided by each unit (1-111th Avn, FL-ARNG, and 29th ATS, MDARNG) in the July issue of ARMY AVIATION Magazine.

The Aviation Depot Maintenance Roundout Unit (ADMRU) Program comprised of four National Guard Aviation Classification and Repair Activity Depots (AVCRAD) and their Mobilization Control Element participated in Operation BRIGHT STAR 95 as part of the Army Material Command's Logistical Support Element.

The four AVCRADs are based in Connecticut, Missouri, Mississippi, and California. The Mobilization AVCRAD Control Element (MACE) is stationed in Maryland on Aberdeen Proving Ground. The ADMRU cell for BRIGHT STAR consisted of fifty-four soldiers who were deployed in cells of ten to fifteen each for overlapping thirty-one day increments. The OIC remained for the duration of the



exercise to insure continuity.

Because of their journeymen level ability in limited aviation depot maintenance, ADMRU soldiers were an ideal choice to provide comprehensive aviation logistical services during the exercise. Each rotation contained soldiers from each of the four AVCRADs. These teams were specifically organized to accomplish tasks that were unique for that particular phase of the exercise. Moreover, the tasks organization exercised maintenance capabilities for UH-1, UH-60 and AH-64 aircraft.

First, ADMRU soldiers were charged with the reassembly of aircraft after they arrived in Egypt. ADMRU soldiers were then available to provide "on cell" contact teams as necessary throughout the area of operations in addition to scheduled and unscheduled maintenance at their home base of "Cairo West".

All told, for the duration of the exer-

cise, the ADMRU program provided in excess of 2,000 direct maintenance man hours, 18 maintenance test flights—and conducted phase inspections on UH-1s and UH-60s, ensured repair parts requisitions, and resolved 37 "Red X" conditions. All of this was accomplished while maintaining a perfect safety record.

ADMRU accomplishments did not stop at the flight time. The AVCRAD soldiers quickly acquired a reputation as the resident "fixers". They also assisted in the repair of water purification and fuel pump units, including fabricating replacement parts for these items if necessary.

The ADMRU program made such a favorable impression that they have already been invited to participate in BRIGHT STAR 97.

★ ★

*COL Taneyhill is the Deputy Commander, Mobilization AVCRAD Control Element (MACE), Aberdeen Proving Ground, MD.*



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## ARMY AVIATION...FROM THE SEA

FM 100-5 states that the Army recognizes three primary types of combat forces: armored forces, light forces and Special Operations Forces (SOF). Accordingly, Army combat units are organized into armored, cavalry and mechanized infantry divisions; light infantry, airborne and air mobile divisions; and a small special operations community of regiments and battalions. Army Aviation has the unique challenge to develop doctrine and organize attack and assault units that span the breadth of combat—armored, light and special operations—as well as support units that extend through the depth of the battlefield framework, to include combat support and combat service support units.

In answer to the combined arms focus directed by FM 100-5, Army Aviation has tested doctrine and organized units that will win future battles. FM 1-100 provides the Army with a capstone manual that "embodies the doctrinal tenets for the employment of aviation in modern warfare." We have effective doctrinal resources for brigades, battalions and

*We must train  
units in  
greater numbers  
to operate  
overwater  
and from  
ships.*

squadrons. Our masterful application of Army Aviation across the breadth and depth of combat operations in Operation DESERT STORM is proof that aviation doctrine in support of two of the three primary combat forces is sound in concept and application.

While Army Aviation was doctrinally prepared and properly equipped to fight the armored and light

infantry warfare of our most recent conflicts, a review of conflict geography identifies recurring flight environments and missions that remain undeveloped in our present doctrine. With focus towards the future, one of the most significant of these missions is overwater and shipboard operations. In each recent conflict except Operation JUST CAUSE in Panama, Army Aviation tactical and/or special operations units flew missions from U.S. Navy ships. Certainly, the deployment to and unopposed invasion of Haiti is the most visible instance of Army Aviation operating from Navy flight decks since Doolittle's Raid off the USS *Hornet*, but our aviation history is full of examples of Army aircraft on Navy ships.

Because of the high resource cost of sustaining a shipboard training program, and the certain demand for Army Aviation in overwater and littoral environments in the future, Army Aviation must examine this mission to better prepare for the future.

**The Evolution of Aviation...From the Sea.** Army Aviation units have operated from Navy ships repeatedly since World War II. In both the African and Pacific campaigns, Army fixed wing aircraft were launched from the decks of aircraft carriers to conduct reconnaissance and bombing missions against the enemy.

During the Korean War, Army helicopters conducted search and rescue for Navy pilots, mine warfare, and logistics missions in the overwater environment. During the Viet Nam conflict, the Army established the Mobile Riverine Force to operate in the brown water of the Mekong Delta, supported by helicopters flown from Navy ships off the coast. During the 1960s, as a result of extensive testing and evaluation, the Army included shipboard operations in doctrinal development of airmobility, and published training material covering operations from naval assault ships. Aviators were assigned to amphibious assault ships, and Navy staffs, and remain so to this day. In 1983, when the U.S. Army invaded Grenada, MEDEVAC helicopters transported wounded servicemen to Navy ships.

For all the frequency with which Army aircraft operated from Navy ships prior to 1987, the Army was never displacing naval aviation, and was rarely performing traditional Navy functions or working for the Navy. That trend ended in 1987 when the U.S. Army was directed to assume an overwater mission that the Navy was not prepared to accomplish, and serves as an early example of capabilities-based force integration.

It is noteworthy that the mission capability the Army possessed better than any other service was night reconnaissance and security provided by armed light helicopters. Special operations aircraft were initially deployed to the Arabian Gulf for Operation EARNEST WILL, a mission designed to provide maritime reconnaissance and escort for reflagged oil tankers. Soon into the mission, it became apparent that the mission would be too long in duration, tying up scarce special operations units. Therefore, a unit of OH-58Ds was assembled, trained, and deployed to Operation PRIME CHANCE, a mission they flew for several months to follow.

Since PRIME CHANCE, the Army has sustained OH-58D and Kiowa Warrior overwater capability, and has successfully integrated the aircraft's versatility into such varied operations as Operation SUPPORT/UPHOLD DEMOCRACY, carrier battle group Composite Unit Training Exercises (COMPUTEX), and Joint Task Force Exercises (JTFEX). OH-58D popularity belies the obvious limitations of a single-engine helicopter in the shipboard environment; however, when the deck space is equally limited, the OH-58D has proven to be a capable mission platform.

**The Present.** Presently, Army helicopters are conducting shipboard operations in every major theater of operations. While units close to the East Coast enjoy more training opportunities than units elsewhere, units in diverse places such as Panama and Italy are performing this training. In FY95, the Army landed every type helicopter in its inventory on a naval vessel, and successfully performed conventional and special operations missions from Navy ships.

Inasmuch as Army Aviation has been operating from ships since WWII, we have not updated applicable aviation



doctrine. Previous training information, such as Training Text 1-65, *Helicopter Operations From Amphibious Assault Ships*, has not been updated in years. Neither our headquarters nor our tactical unit manuals contain any mention of the overwater mission. Units fill the doctrinal void with procedures found in their SOPs. One possible reason for this oversight is that many still consider "overwater" a flight condition, rather than a mission.

Another reason for the lack of information could be ownership of the mission. While overwater operations can be classified as special missions, they are not solely the purview of special operations forces. Tactical aviation units at division and corps are increasingly being ordered to perform missions requiring shipboard proficiency.

Initiatives generated during the PRIME CHANCE mission remain in place to this day, with varying degrees of applicability. After-action recommendations have largely been addressed, including updated dynamic interface testing to increase the wind limits onboard ship. Nevertheless, the Army is still operating under the same Memorandum of Agreement (MOA) that was signed as part of the PRIME CHANCE train-up. This 1988 document has not evolved with the advances and updated agreements between the services. Accordingly, pilot training and currency requirements have not been revised to reflect current operational capabilities, a fact that hampers unit training. Staff support for the overall program has not evolved with the mission either, and is in need of review.

**The Future.** As stated previously, there

have been few instances in which Army helicopters were chosen to perform overwater missions instead of Navy aircraft. So, why should the Army concern itself with shipboard operations as an essential mission? Because the past is not poised to repeat itself. Clearly, as the service with the greatest number of helicopters, the Army has the capability to lead or support any joint requirement for helicopter aviation.

The following rationale support greater consideration of shipboard and overwater operations as future essential tasks for deploying Army task forces, the develop-

ment of applicable doctrine, and the materiel modifications necessary to continue to perform these Army and joint missions.

#### **Conflict Geography.**

Simply listing the crisis and conflict areas of the past two decades identifies contributions of aviation in general, and overwater tactics in particular: Vietnam, Grenada, the Arabian Gulf, Panama, Somalia,

Haiti, and Bosnia. Furthermore, an examination of potential hot spots around the globe, and areas threatened by major seasonal storms or natural disasters such as earthquakes, also imply that regional commanders must remain prepared to operate across the coastlines.

**Roles and Missions Changes.** Former Chairman of the JCS, GEN Colin Powell, recommended in his final Roles and Missions Report in 1993 that the missions for Army Aviation should change and broaden, to include, among other things, support for amphibious operations and littoral combat. This guidance is more recognition of training already in place. For example, detailed missions such as sea-

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aviation."*

lane surveillance and small boat interdiction have appeared in the unit capabilities briefing given by 4th Squadron, 2nd Armored Cavalry Regiment (previously Task Force 118, then 4/17 Cavalry) for several years. (4-2 Cavalry is currently the foremost Kiowa Warrior unit performing shipboard operations.)

Also, Department of Defense guidance identifies the Army as executive agent for battlefield medical evacuation, including the shore-to-ship mission.

Again, from the 1993 report, GEN Powell stated that the Army, Navy, and Marine Corps were reviewing the emerging need for armed helicopters onboard naval vessels. The Navy's armed SH-60 program will not be finalized for several years, and the Marine helicopter force is limited in number and serves exclusively to protect the landing forces. Therefore, the Army can expect to provide continued leadership in this area with the current inventory of armed helicopters, and with the future arrival of Comanche. GEN Powell's recommendations represent initiatives in place during his tour as Chairman of the Joint Chiefs, and clearly reflect use of Army capabilities as they might be projected in the future.

**Airframe Superiority.** The capabilities of the AH-64, OH-58D and some special operations aircraft are unmatched in Navy or Marine aviation squadrons, and are very much in demand, as previously stated. The Comanche will join this list of impressive airframes. A secondary reason for their popularity is that the smaller airframes mentioned above are some of the only remaining aircraft the Navy can land on specific surface combatant ship classes, for example, the short deck, *Oliver Hazard Perry* Class Frigates (FFG-7s).

**Jointness.** The Army and the Navy have a proud tradition of successful joint

operations, the most recent of which is the carrier deployment of soldiers from the 10th Mountain Division (Light) to Haiti for Operation UPHOLD DEMOCRACY. What is lost on the service purists and journalists who touted this deployment as unprecedented is the fact that the Army and Navy conducted testing of carrier helicopter forces well prior to the Haiti operation.

The USS *Eisenhower* (CVN-69) did make history with the first Army helicopter deployment; however, the services completed helicopter carrier evaluations during Exercise ROCKY SHOALS in 1959. Operation UPHOLD DEMOCRACY was a success, in large part because the task organization and resources were tailored to the specific requirements of introducing forces into Haiti. The objective question about the mission remains: What is the primary weapons system of an aircraft carrier? Aircraft. The innovation in this case, is that the aircraft were not Navy and Marine fighters, but Army Aviation fighters.

**Force Integration.** With the creation of regional focus commands, such as the Navy's Western Hemisphere Group in Mayport, FL, the Army can expect more opportunities to plan and participate in overwater operations similar to Operation ABLE VIGIL and counter-narcotics missions in the Caribbean. One third of the ships in the Western Hemisphere Group are frigates, and, accordingly, we should expect the group to request Army OH-58Ds.

Secondly, from GEN Powell's 1993 Roles and Missions Report, Joint Task Forces (JTFs) will become the common organization for peacetime forward presence operations, improving the transition to joint command structures in response to regional crises.

**Counter - Narcotics Operations.** The



scope of interagency and joint counter-narcotics operations will continue to employ Army Aviation assets in overwater operations. Each year, aviation units are assigned counter narcotics missions that become more complex and more lengthy. In accomplishing the counter-narcotics mission, units operate over water during transit and observation missions. Shipboard operations are a necessary enabling task as the missions themselves become more joint-force oriented.

**Power Projection.** As joint task groups and amphibious ready groups travel across the globe in presence and projection missions, their train up, deployment and recovery cycles are predictable. New groups are able to overlap and assume duties in specific theaters to maintain presence. As a CONUS-based force, the Army might not be the first American military force to arrive in theater. Therefore, the Army and Army Aviation must emphasize how to deploy units and equipment, and how to work with the joint forces already in place.

**Relief on Station.** The nature of crisis response in the world today is "come as you are." America maintains forward presence in many theaters with Navy battle groups and Marine Amphibious Ready Groups (ARGs) steaming off the coast of potential flash points. Since Operation PRIME CHANCE, Army Aviation has maintained a small tactical and special operations force package trained and proficient in overwater operations and capable of rapid deployment to trouble spots. That force is not sufficient-

ly large, however, to support an entire Army task force that would accept missions and relieve a Marine Expeditionary Unit (MEU), as occurred in Somalia. The Army task force must bring its own aviation, and evaluate overwater operations as a potential mission essential task.

**Peace Operations.** Retrograde operations, non-combatant evacuations, logistics, medical evacuation, and disaster relief are only a few of the peace operations that could require overwater skills and shipboard operations for mission accomplishment.

Solutions for these issues could come from the following:

**Doctrine.** USAAVNC is working to fill the shortage in tactics, techniques and procedures manuals, starting with FM 1-XXX *Shipboard Operations (Draft)*, which contains the majority of a tactical unit's requirement for shipboard information. MAJ John Williams from the Directorate of Training, Doctrine and Simulation (DO-

TDS) is author and POC. In the near term, we continue to rely on joint publications, Naval Warfare Publications (NWP), and Navy Tactical Memoranda (TACMEMOS)—publications equivalent to Army training circulars. The following examples illustrate what is currently available for units to assist with their overwater programs.

**Mission Analysis.** Aviation unit staffs must identify overwater and shipboard requirements in contingency plans and include them in their unit's task lists for command approval. Ultimately, flight units must then obtain approval and resources to schedule and conduct overwater and deck landing training. FORS-

*"Aviation unit staffs must identify overwater and shipboard requirements in contingency plans..."*



COM Regulation 350-3, Chapter 3, will guide units in properly identifying and requesting necessary resources.

**Train.** Once a unit receives approval to conduct shipboard training, they must complete initial deck landing qualifications. Operations officers assigned within the Atlantic and Pacific fleets coordinate, advise and assist Army units in scheduling ships for deck landing training, and the subsequent sustainment program. Sustainment will include currency training, exercise opportunities and deployments. The upcoming revision of the pilot currency table will make program sustainment easier. Once a unit has completed initial qualifications, training opportunities can be found on each coast and in the Gulf of Mexico.

Army and Aviation staff officers must also meet with Navy ship program managers to ensure that ship decks remain certified for appropriate Army aircraft. The special operations and medical evacuation communities normally operate with ships from specific design classes, and recently, ship flight deck certifications have begun to include limitations on landing spots authorized for Army helicopter landings. These limitations may be due to deck strength or rotor arc safety margins, but whatever the reason, they can be corrected if the services work together.

Fourth, we must *modify our aircraft*. As dollar signs flash, consider that the same modifications necessary for shipboard operations compliment deployment via Air Force airlift. They provide for size reduction and ease of movement. From Operation SUPPORT DEMOCRACY, one of the most critical comments the Army received was that Black Hawk blades don't fold. This fact made using the full capabilities of the carrier and hangar decks more difficult. The parking

plan on the carrier deck was haphazard, providing for blade clearance, not mission readiness. We should be able to fold rotor blades, adapt OH-58 landing gear with better ground handling wheels, and move the UH-60 tail wheel under the tail boom rather than at the end of it. Increasing the number of aircraft with these modifications would allow for mission sharing, while enhancing shipboard operations. Designers of the Comanche had the foresight to include most of these modifications in their basic model to meet special operations and shipboard requirements.

Overwater and shipboard operations have been a part of Army Aviation since the creation of air-capable ships. That tradition can not be easily dismissed, in light of current military initiatives. Capability-based task force structures will force the crossing of service lines to obtain the best available units and equipment in response to particular situations across the globe. For Army Aviation to continue, and, in fact, lead with its history of excellence in shipboard operations, we as a community must rework and revise the tests and programs of our Aviation pioneers, to remain capable of projecting Army Aviation...from the sea.

★ ★

*MAJ Knippel was Force Army Representative to the Commander, Naval Surface Force, Atlantic Fleet, Norfolk, VA.*

#### CURRENT PUBLICATIONS:

JOINT PUB 3-04, Doctrine for Joint Maritime Operations (Air)

JOINT PUB 3-04.1, Joint Tactics, Techniques and Procedures For Shipboard Helicopter Operations  
NWP 42 (Version J), Shipboard Helicopter Operating Procedures

TACMEMO XZ4050-1-95, Armed Helicopter and OH-58D(I) Operating Procedures.

TACMEMO UZ4030-1-95 (DRAFT), Armed Helicopters Versus Littoral Patrol Craft/Combatant Threat.

# RESERVE COMPONENTS

## The Citizen-Soldiers of Army Aviation

\*Indicates USAR  
Last, First Name, MI (Rank)  
(AAAA Membership Year)  
(Nickname)  
Address  
Duty Phone Number  
Residence Phone Number

AA — Army Aviator  
SAA — Senior AA  
MAA — Master AA  
IFE — Instrument Flight  
Examiner  
IP — Instructor Pilot  
TP — Test Pilot

Professional Data:  
Primary Assignment and  
Location  
Rating  
Qualification  
Flight Time  
DFCs/Air Medals

*\*A professional-personal roster of AAAA Reserve Component members. Data sheets were sent to all AAAA USAR/ARNG members, requesting information for the following directory. Only those members who responded by 27 September 1996 are listed.*

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Neville Lane, Carmel, IN 46032. Dy: (317)  
267-7316. Res: (317) 571-8447. S: Karen.  
Dy: VP, National City Bank. Rtg: AA. Time:  
900 Hrs.

Abraham, Johnathan E., (1LT) (M95) P.O.  
Box 505, Doham, AL 36302. Dy: (334)  
613-9130. Res: (334) 712-1932. Dy: HHC,  
1/131 Avn, Montgomery, AL. Rtg: MTP. RW  
Qual. Time: 350 Hrs.

\*Abrantes, George F., (MAJ) (M87) 3972  
Kelsey Road, Lake Orion, MI 48360-2514.  
Res: (810) 373-6513. S: Linda. Dy: Sr  
Manufacturing Pr. Eng., GM Corp. Rtg: AA.  
Time: 650 Hrs. Life Member.

Acree, Randall D., (CW3) (M87) (Randy)  
7101 N. Montebello Road, Tucson, AZ  
85704-1959. Dy: (602) 682-4614. Res:  
(520) 297-3535. S: Beth. Dy: AHK Hel  
Instructor Pilot, WAATS, Marana, AZ. Rtg:  
SAA IP. IFE. RW Qual. Time: 3,000 Hrs.

Adams, Caroline F., (MAJ) (M91) P.O. Box  
2462, Ft. Stead, St. Croix, U.S. Virgin Islands  
00841-2462. Dy: (809) 778-2165. Res:  
(809) 772-0370. Dy: State Avn Off,  
VIARNG. Rtg: SAA, RW/FW Qual. Time:  
2,335 Hrs. Life Member.

\*Adams, Clark, (SFC) (M92) 106 Paddock  
Avenue, Meriden, CT 06450. Dy: (203)  
785-1996. Res: (203) 634-4392. S: Shirley.  
Dy: Physician Assoc, USARPEN.

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Dy: (516) 447-0562. Res: (516) 427-2418.  
S: Christine. Dy: NYCFD Firefighter, Det 3,  
HQ STARC-NY, NYARNG. Rtg: MTP. RW  
Qual. Time: 3,200.

Allen, William C., (MAJ) (M86) (Charlie)  
11807 Millwright Pkwy, Austin, TX  
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(512) 335-6307. Dy: Aviation Staff Officer,  
HQ, 71st Trp Cmd, Austin, TX. Rtg: AA.  
RW Qual. FW Qual. Time: 1,700 Hrs.

Amalfitano, Paul M., (MAJ) (M88) 2504  
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S: Donna. Dy: Eastern ARNG Aviation  
Training Site. Rtg: SIP. RW Qual. Time:  
3,000 Hrs.

\*Amiano, Timothy A., (CPT) (M87) 1597  
Pine Ridge Road, Naples, FL 33942. Dy:  
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AA. RW Qual. Time: 2,200 Hrs.

Anderson, David A., (MAJ) (M84) (David)  
3423 Duncan Street, Columbia, SC 29205.  
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S: Robin. Dy: Exec. Officer, 1-151 Avn  
SCARNG, McEntire ANGB. Rtg: AA.  
RW/FW Qual. Time: 1,300 Hrs./Cbt3

\*Anderson, Kenneth A., (MAJ) (M90) (Ken)  
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48393-1742. Dy: (313) 845-0641. Res:  
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Qual. Time: 1,000 Hrs.

\*Anderson, Martin F., (LTC) (M96) (Marty)  
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595-2843. S: Cynthia. Dy: Cdr, 2/228th Avn,  
Willow Grove NAS, Willow Grove, PA. Rtg:  
MTP. RW Qual. Time: 2,875 Hrs.

Anderson, Paul A., (CW3) (M89) 42 Luke  
Street, Prospect, CT 06712. Dy: (203)  
386-3988. Res: (203) 758-0768. S: Janet.  
Dy: Program Manager, Sikorsky Act. Rtg:  
MTP. RW Qual. FW Qual. Time: 1,300 Hrs.

Andrews, Rick F., (CW5) (M92) Potomac  
Chap VP Renewals, 140 De Vinci Court,  
Hoffman, IL 60707-2205. Dy: (703)  
607-7759. Res: (302) 239-7187. S: Dorothy.  
Dy: Aviation Standardization Chief, NGB,  
ARNGRC. Rtg: MAA IFE SIP. RW Qual.  
FW Qual. Time: 6,500 Hrs./Cbt 1,050  
AM/11, 4 Vs. Bronze St. Michael.

Angle, Jeffrey T., (CW2) (M93) (Jeff) 228  
Upper Tincinn Church, Upper Black Eddy,  
PA 18972. Dy: (609) 530-5914. S: Lynda.  
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Qual.

Anima, Edgar T., (SGT) (M91) 1309 N.  
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623-8569. Dy: Crew Chief, B Co, 1/106th  
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Lynn. Dy: Planning Manager. Rtg: SAA IP.  
RW Qual. Time: 1,300 Hrs.

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1,200.

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Bainbridge, Shawn A., (CW2) (M95) 6368  
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(209) 982-4228. Res: (916) 424-5246. S:  
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RW Qual. FW Qual. Time: 500 Hrs.

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S: Eileen. Dy: Western Army Aviation  
Training Site. RW Qual. FW Qual. Time:  
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Wood Lake Drive, Lugoff, SC 29078. Dy:  
(803) 776-7030. Res: (803) 439-9725. S:  
Darlene. Dy: B Co, 1/151 Avn (AAH),  
McEntire ANG Station, SCARNG, Eastover,  
SC.

\*Baker, Anthony A., (MAJ) (M89) 2000 Ken-  
yon Street, Killeen, TX 76543. Dy: (817)  
528-8311. Res: (817) 699-8187. S:  
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Group, 76th Division (Exercise). Rtg: AA.  
RW Qual. Time: 700 Hrs. Past Chapter  
Officer.

Baker, Jeffrey R., (1LT) (M95) (Jeff) 629 N.  
Pearl Street, Albany, NY 12204. Dy: (518)  
788-4385. Res: (518) 427-8002. S: Jody.  
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530-4295. Res: (908) 821-8155. S: Andrea.  
Dy: National Guard Attack/Observation  
Pilot, Mercer County Airport. Rtg: MTP. RW  
Qual. Time: 2,500 Hrs.

Ballard, Johnathon W., (1LT) (M95) (J.B.)  
125-C Country Lane, Lafayette, LA 70508.  
Dy: (337) 367-1178. Res: (318) 981-3775.  
S: Virginia. Dy: Plt Ldr, A Co, 1244th Avn  
Bn, Camp Beaugard, Pineville. RW Qual.  
Time: 500 Hrs.

\*Barber, Anthony, (CPT) (M95) (Tony) 163  
Hunters Ridge Drive, Lexington, SC 29072.  
Dy: (803) 806-1703. Res: (803) 951-8869.  
S: Micki. Dy: Aviator, S.C. Army National  
Guard. RW Qual. Time: 700 Hrs.

\*Bare, Matthew L., (CPT) (M93) P.O. Box







Marsha, Dy: 33977 US Army Garrison, Chantanooga, TN. Rtg: MAA IFE SIP. RW Qual. FW Qual. Time: 10,000 Hrs./Cbt 1,500 AM/31.

Bosco, Thomas L. (MAJ) (M87) (Tom) 19 Elling Street, Staten Island, NY 10304. Dy: (212) 435-3694. Res: (718) 816-9594. Dy: Supervisor, Aeronautical Services, The Port Authority of NY/NJ. Rtg: SAA. RW Qual. Time: 1,700 Hrs./Cbt 80

"Bottinger, Bruce A. (CW4) (M96) 902 Derbyshire Drive, Dothan, AL 36303. Dy: (334) 794-0954. S: Melissa. Dy: C12 Pilot. A Co, 1/158 Avn Rgt. Rtg: MAA IFE IP. RW Qual. FW Qual. Time: 9,000 Hrs./Cbt 900 AM/33.

Boudreaux, Mike A. (CW3) (M86) (Mr. Bob) 1424 Quebrada Del Sur, Harvey, LA 70058. Dy: (504) 243-7930. Res: (504) 381-5418. S: Gwen. Dy: Aircraft Maint Tech, New Orleans, LA. Cbt 876 AM/1.

"Bowers, Frame J.W. (LTC) (M89) (John) 106 Fieldstone Drive, Terrace Park, OH 45174. Dy: (513) 552-2722. Res: (513) 831-8852. S: Judy. Dy: Program Manager, CPS/CD-ROM, Cincinnati. Rtg: SAA. RW Qual. Time: 1,540 Hrs./Cbt 670 AM/23.

Boye, Guy S. (CW2) (M83) 607 Hingham Lane, Schaumburg, IL 60193-2629. Dy: (309) 687-7921. Res: (847) 891-5901. Dy: C-1106th Avn.

"Boyle, Michael P. (CW2) (M94) (Mike) 19 Nijmegen Street, Fort Bragg, NC 28370. Dy: (910) 396-7478. Res: (910) 497-5207. S: Martha. RW Qual. Time: 217 Hrs.

"Bradley, Michael P. (SSG) (M88) 1205 Verdant Way, Austin, TX 78746. Res: (512) 327-0152. S: Mary. Dy: IRR.

Bradley, William B. (2LT) (M94) (Ben) 3270 Ricky Drive, Apt. 103, Jacksonville, FL 32223. Dy: (904) 641-8875. Res: (904) 292-0223. S: Beth. Dy: 1-111th Avn Regt, FLARNG, Jacksonville, FL. RW Qual. Time: 220 Hrs.

Brady, Matthew J. (CPT) (M95) (Matbo) 8231 North Foss Avenue, Portland, OR 97203. Dy: (503) 378-3976. Res: (503) 289-9109. Dy: 641st Med Bn (EVAC) (PROV). RW Qual. Time: 1,500 Hrs.

Brady, Nicholas J. (CW2) (M92) 51 South Union Street, Lambertville, NJ 08530. Dy: (609) 530-5918. Res: (609) 397-9671. Dy: Instructor Pilot, NJARNG/OAS Detachment 19, Mercer County Airport. Rtg: IP. RW Qual. FW Qual. Time: 2,200 Hrs.

Braman, Eric W. (COL) (M83) (Ric) AAAA Nat Member-at-Large, 10170 Belvoir Dr, Ctrs 51, Fort Belvoir, VA 22080. Dy: (703) 607-7300. Res: (703) 781-0828. S: Nancy. Dy: Dir, Ops Training & Readiness, National Guard Bureau. Rtg: MAA IFE SIP TP. RW Qual. FW Qual. Time: 8,000 Hrs./Cbt 1,739 DFC2, AM/48. NEB. Sch Board. Past Chapter Officer.

Braman, James E. (LTC) (M84) (Jim) 4751 W. Waterbury Drive, Tucson, AZ 85742-8629. Dy: (520) 682-4605. Res: (520) 744-9051. Dy: Chief, Training Division, WAATS. Rtg: SAA IP. RW Qual. Time: 1,980 Hrs.

Brand, Gretchen, (MAJ) (M93) 4512 Wood Duck Avenue, Juneau, AK 99801. Dy: (907) 789-3366. Res: (907) 789-0878. Dy: Det Cdr, Det 4, B Co, 1/207th Avn, Juneau, AK. RW Qual. FW Qual. Time: 1,200 Hrs.

Brandt, Robert J. (MG) (M72) (Bob) 113 Rebecca Way, Folsom, CA 95630. Dy: (916) 854-3500. Res: (916) 985-7045. S: Dorothy. Dy: Commander, California Army National Guard. Rtg: MAA SIP. RW Qual. FW Qual. Time: 8,000 Hrs./Cbt 212 AM/4. Past Chapter Officer.

Brantley, Jerry L. (CW4) (M57) 3005 Sandy Lane, Rocky Mount, NC 27803. Dy: (919) 664-6248. Res: (919) 446-2761. S: Margie. Dy: NCARNG, C26 IP, Raleigh. Fit Evaluator. Rtg: MAA IFE IP TP. RW Qual. FW Qual. Time: 15,450 Hrs./Cbt 2,037 AM/37.

Breithaupt, Michael P. (COL) (M74) (Mike) 14230 Estate Drive, Woodbridge, VA 22193-3224. Dy: (703) 806-7891. Res: (703) 670-3319. S: Theresa. Dy: State Army Aviation Manager/Facility Commander, DCARNG, Davison AAF. Rtg: MAA. RW Qual. Time: 2,700 Hrs.

"Brendsel, Marlin D. (LTC) (M73) (P.O. Box 24011, Richmond, VA 23224-0011. Dy: (804) 875-5138. Res: (804) 744-9704. S: Sherry. Dy: 330th Medical Brigade, Fort Sheridan, IL. Rtg: MAA. RW Qual. Time: 2,300 Hrs.

Brewer, Casto L. (CW4) (M79) (Lee) 285 Little Creek Drive, Sharpsburg, GA 30277-8556. Dy: (601) 426-0578. Res: (404) 253-9154. S: Julia Anna. Dy: Pilot. Det 2, N Co, 4th Sqn, 278th ACR, TNARNG, Jackson, TN. Rtg: MAA. RW Qual. FW Qual. Time: 11,400 Hrs. AM.

"Brewer, Jarrett R. (CW2) (M89) (Brewski) 2515 Goldsmith Lane, Louisville, KY 40218-1020. Res: (502) 473-7764. S: Beverly. Dy: B Co, 8/229th, Apache Pilot. Rtg: MTP. RW Qual. Time: 1,100 Hrs.

Bricker, Kevin L. (CPT) (M95) 10009 W 50th Terrace, Merriam, KS 66203-4852. S: Anita. RW Qual. Time: 650 Hrs.

Bridges, David G. (CPT) (M81) 40 Arbor Road, South Burlington, VT 05403. Dy: (802) 865-1762. Res: (802) 865-4864. Dy: S1, 1/103 Avn Bn, VTARNG, Rtg: AA. RW Qual. FW Qual. Time: 1,500 Hrs./Cbt 10.

Brockway, Matthew C. (COL) (M91) (Matt) 2311 Legion Lane N, Lake Elm, MN 55042-9445. Dy: (612) 296-4885. Res: (612) 770-0305. S: Judy. Dy: Supervisory Flight Instructor, National Guard Technician. Rtg: MAA IFE IP. RW Qual. FW Qual. Time: 7,900 Hrs./Cbt 800 AM/31.

"Brophy, Thomas D. (SGM) (M90) (Tom) 1224 Sandpiper Lane, Naperville, IL 60540. Dy: (708) 355-7255. Res: (708) 355-7255. S: Pam. Dy: Opns SGM, USAR, Ft Sheridan, IL.

Brown, John D. (CW2) (J.D.) 3341 Currant Street, San Diego, CA 92111. RW Qual. Time: 1,000 Hrs.

Brown, Rogers L. (MSG) (M96) 1517 Shirley Drive, New Orleans, LA 70114. Dy: (504) 243-7630. Res: (504) 368-8780. S: Robin. Dy: Aircraft Maint.

Brown, Jr, Wilford D. (MAJ) (M95) (Donnie) 739 Benwick Drive, Brandon, MS 39042. S: Dy: C Co, 106th Spt Bn, Hazlehurst, MS. RW Qual. Time: 800 Hrs.

Bruyere, Olivia J. (SPC) (M95) (V) 789 Woodcreek Court, Apt. 104 M1, Ypsilanti, MI 48198. Res: (313) 487-7545. Dy: 68B Powerplant Repairer.

"Bucknacker, Sr, Kevin A. (CW4) (M79) (Buck) 3912 N.W. Plattbrooke Dr, Kansas City MO 64151. Dy: (816) 426-5576. Res: (816) 741-9469. S: Elizabeth. Dy: Asst. DARR, GLUCE Region FAA, Kansas City, MO. Rtg: MAA IP SIP IFE. RW Qual. FW Qual. Time: 6,130 Hrs. Past Chapter Officer.

Burdick, Gary W. (CW4) (M93) 17311 Beaujolais Circle, Eagle River, AK 99577-7513. Dy: (907) 428-6324. Res: (907) 696-1488. S: Dana. Dy: Pilot, 1/207 Avn Regt, AKARNG, RW Qual. FW Qual. Time: 3,700 Hrs./Cbt 590 AM/32.

Burkley, Donald A. (CW3) (M91) 126

Adams Road, Port Deposit, MD 21904-1435. Dy: (410) 278-5636. Dy: Pilot, AASF, Edgewood, MD. RW Qual. FW Qual. Time: 8,000 Hrs./Cbt 194

Burns, Jeffrey H. (CPT) (M90) (Jeff) 23 Stony Hill Drive, Mystic, CT 06355. Dy: (860) 441-2923. Res: (860) 536-6834. S: Susan. Dy: C2 AVCRAD, Groton, CT. Rtg: MTP. RW Qual. Time: 1,400 Hrs.

Bury, Douglas L. (CPT) (M96) 15623 E 3330 North Road, Rossville, IL 60983. Dy: (217) 884-3543. Res: (217) 748-6341. Dy: Company Commander, A. (.), 1/106th Aviation, Decatur, IL. RW Qual. Time: 1,000 Hrs.

Butner, Robert W. (COL) (M90) (Bob) 250 Pine Hollow Lane, Houston, TX 77056. Dy: (713) 797-1903. Res: (713) 628-3332. S: Carol. Dy: Birmingham, AL Group Surgeon, HQ 20th Spec Forces Grp.

Butt, Andrew R. (CW2) (M87) (Drew) 615 Esplanade, No. 102, Redondo Beach, CA 90277. Dy: (310) 222-1416. Res: (310) 792-0249. S: Vera. Dy: International Business Consultant. Rtg: SAA. RW Qual. Time: 1,200 Hrs. Past Chapter Officer.

Butts, Heidi M. (CPT) (M96) 5218 A Bischoff Avenue, St. Louis, MO 63110. Dy: (217) 864-3416. Res: (314) 773-0584. Dy: Company Commander.

Callahan, Christopher, (MAJ) (M92) 7 Rustic Way, North Kingstown, RI 02852. Dy: (401) 457-4193. Res: (401) 295-4114. S: Donna. Dy: Air Space Management Officer, RIARNG, Quonset Point, RI. Rtg: AA. RW Qual. Time: 1,170 Hrs. Yp. Membership Enrollment, Narragansett Bay Chapter.

Calvert, Gregory A. (CW2) (M90) 1340 Gorman Bridge Road, Asheville, NC 28806. Dy: (704) 355-5813. Res: (704) 251-2457. S: Dana. Dy: Co F, 1/159 Avn NCARNG, Salisbury, NC. Rtg: AA. RW Qual. Time: 1,200 Hrs.

Campos, Jose F. (COL) (M87) Army Avn Support Facility, P.O. Box 3786, San Juan, PR 00904-3786. Dy: (609) 322-3918. Res: (809) 789-6954. S: Elba. Dy: SAOA, San Juan, PR. Rtg: MAA IFE. RW Qual. FW Qual. Time: 10,000 Hrs.

Campos, Jose L. (1LT) (M90) Conde Apolo Tower, Apt 3A, 2102 Calle Sirca, Guaynabo, PR 00969. Dy: (787) 253-6094. Res: (787) 287-0839. Dy: American Airlines, Ticket Agent. RW Qual. FW Qual. Time: 635 Hrs.

Capps, Dudley R. (2LT) (M96) CMR 6, Box 2013, Fort Rucker, AL 36362. Res: (334) 598-6028. Dy: Student Pilot. RW Qual. Time: 200 Hrs.

Capps, Richard G. (BG) (M92) P.O. Box 1008, HQ FLARNG, St. Augustine, FL 32085. Dy: (904) 823-0101. Res: (904) 825-0420. S: Sandra. Dy: HQ STARC, Asst AG, FLARNG, RWFW Qual. Time: 5,000/Cbt 1,000 AM/21.

Cardenas, Carlos M. (SSG) (M96) 3406 E Pueblo Avenue, Mesa, AZ 85204. Dy: (602) 891-4931. Res: (602) 924-0700. S: Luisabel. Dy: Technical Writer-AH64A, McDonnell Douglas.

Carman, Edward F. (WO1) (M95) 903 Hilltop Lane Ext., Toccoa, GA 30577. Dy: (704) 464-4383. Res: (706) 282-1247. Dy: Det 1, 121st Med Co (AA) Aviator. RW Qual. Time: 220 Hrs.

Carroll, Gerald A. (CW3) (M85) 705 Brier Creek Road, Mammoth Cave, KY 42259. Res: (502) 286-0001. Dy: B Co, 1/114th, KY National Guard, Frankfort, KY. Rtg: MAA MTP. RW Qual. Time: 2,000 Hrs.

Carter, Paul Q. (CW4) (M95) 1108 Pine Street, Cayce, SC 29033. Dy: (803)

776-0160. Res: (803) 794-1438. S: Pat. Dy: Maintenance Test Pilot. SCARNG. Rtg: MTP. RW Qual. Time: 4,000 Hrs.

Casper, Richard R. (CW2) (M95) 3830 South Shea Avenue, Tucson, AZ 85735. Dy: (520) 682-4658. Res: (520) 883-6874. Dy: C/1-285th Attack Helicopter Bn. Silverbel AHP, Marana, AZ. Rtg: AA. MTP. RW Qual. Time: 800 Hrs.

Chambers, Bradford B. (CW2) (M94) P.O. Box 332, Tangier, FL 32777. Dy: (888) 579-9811. Res: (352) 383-0218. S: Monika. UH-60 Pilot, Safety Officer. RW Qual. FW Qual. Time: 1,300 Hrs. Cbt 80 AM/1.

Chandler, Christian J. (CW2) (M92) (Chris) 17 South Wind Lane, Millford, CT 06460. Dy: (800) 767-9045. Res: (203) 677-8437. Dy: (800) 767-9045. Rtg: Richmar Aviation, Inc., Providence, RI. Rtg: SAA. RWFW Qual. Time: 5,400 Hrs.

Chick, Clifford B. (CPT) (M90) 690 McDaniel Street, Monroe, GA 30655. Dy: (770) 868-4104. Res: (404) 267-5668. Dy: 1-171st CSAB, Battalion Training Officer, C Co Cdr. RW Qual. FW Qual.

Chilton, James C. (SGT) (M95) 113 Valley View Drive, Shelbyville, KY 40065. Dy: (502) 564-8480. Res: (502) 833-2278. Dy: Aircraft Mechanic.

\*China, George. (MAJ) (M92) 4200 Elkhart Lake Road, St. Charles, MO 63304-7989. Dy: (314) 291-4449. Res: (314) 447-8937. S: Hilda Mary. Dy: Commander, C/7-159th Avn Regt (AVIM), Scott AFB, IL. Rtg: AA. TP MTP. RW Qual. Time: 700 Hrs.

Christensen, John H. (CW2) (M85) (Jack) 1455 Chimney Drive, Carson City, NV 89701. Res: (702) 884-4591. S: Merna. Dy: S Det 1, Co G, 140th Avn, Reno, NV. Rtg: MAA. SIP. RW Qual. Time: 4,000 Hrs./Cbt 525 AM/1. Life Member.

\*Chung, Russell W. (COL) (M81) (Russ) P.O. Box 638, Surland, CA 91041-0638. Dy: (818) 957-4925. Res: (818) 951-1671. Dy: USAR Support Group. Rtg: SAA. MTP. RW Qual. Time: 2,000 Hrs./Cbt 558 AM/4. Secretary, Southern California Chapter.

Cipolla, Jack A. (SSG) (M93) (Jackie) P.O. Box 943, Hamlin, PA 18427. Dy: (201) 724-7849. Dy: AH-1F Crewchief, B Co, 1/150th, 29th ID.

Clark, David L. (CW2) (M88) 19679 Sara Jane Lane, Morgan Hill, CA 95037-6615. Dy: (408) 697-1558. Res: (408) 779-7569. S: Lenora. Dy: B Company, 1/140th ATK, 40th ID, Stockton, CA. Rtg: AA. RW Qual. Time: 1,000 Hrs.

Clark, John A. (CW5) (M95) 1701 Maywood Avenue, Manteca, CA 95336-2818. Dy: (209) 983-5315. Res: (209) 239-1057. S: Jeanne C. Dy: Flight Instructor, CA Army National Guard. Rtg: SIP. IFE. RW Qual. FW Qual. Time: 13,000 Hrs./Cbt 1,000 DFC1, AM/13.

Clarke, Timothy M. (CPT) (M85) (Tim) 1413 Bradley Lane, Warminster, PA 18974. Dy: (215) 443-1690. Res: (215) 441-0508. S: Grace. Dy: Flight Operations Officer, A Co, 2-228th Avn Regt. Rtg: AA. TP MTP. RW Qual. FW Qual. Time: 1,600 Hrs. Life Member.

Clarkson, Clarence R. (CW5) (M71) (Clay) 1612 Cambridge Drive, Norman, OK 73069. Dy: (405) 527-5601. Res: (405) 364-6005. S: Beverly. Dy: MTP/OKARNG, Army Avn. SPT Fac, Lexington, Rtg: MAA. SIP. IFE. MTP. RW Qual. Time: 12,150 Hrs. Life Member. Past Chapter Officer.

Clemens, Ted E. (CPT) (M94) 314 East Park Street, Emmett, ID 83617. Dy: (208) 422-6419. Res: (208) 365-6625. Dy:

Commander, D Co, 1/183 Avn, Boise, ID. Rtg: MTP. RW Qual. Time: 1,000 Hrs.

Cleddening, Edward B. (CW2) (M95) (Eddie) 9323 Old Ford Road, Providence Forge, VA 23140. Dy: (804) 236-7361. Res: (804) 966-1226. S: Linda. Dy: AISE/EWO, A Co, 2-224th Avn, Sandston, VA. RW Qual. Time: 200 Hrs.

Cloutier, Jeffrey J. (SPC) (M95) P.O. Box 189, Jewett City, CT 06351. Dy: (860) 441-2942. Res: (860) 376-6165. Dy: CT AVCRAD.

\*Cockrell, Clinton B. (WO1) (M95) (Baylor) 16315 McCormick, Houston, TX 77055. Dy: (409) 525-3378. Res: (713) 588-8876. S: Andrea. Dy: C Trp, 76 Cav Regt, Conroe, TX. RW Qual. Time: 200 Hrs.

Coleman, James M. (CW4) (M95) (Jim) 1921 Turner Road, S. Salem, OR 97302. Dy: (503) 945-3386. S: Kathleen. Dy: C12C/23 Pilot, Oregon National Guard. RW Qual. FW Qual. Time: 4,000 Hrs./Cbt 1,052

\*Collins, Glenn. (CPT) (M94) 4891 W. Dackin, Chicago, IL 60641. Dy: (312) 401-3897. Res: (312) 685-5403. Dy: Attorney, Chicago, IL. RW Qual. FW Qual. Time: 800 Hrs.

Colon, Angel L. (SFC) (M98) (Angel) 182 Leaf Avenue, Central Islip, NY 11722-3538. Res: (516) 348-7688. S: Carmen. Dy: NY State Office of Mental Health.

Comtois, Robert P. (MSG) (M91) 17 Woods Way, Clifton Park, NY 12065-2032. Dy: (516) 786-4379. Res: (516) 371-0381. S: Carolyn. Dy: Aircraft Technical Inspector, Army Avn. Supt. Facility No. 3.

Conaway, Donald G. (COL) (M88) (Don) 412 Algenquin Drive, Ballwin, MO 63011. Dy: (314) 283-9578. S: Linda. Dy: Director, Full Time Support Management, St. Louis, MO. Rtg: MAA. MTP. RWFW Qual. Time: 3,200 Hrs./Cbt 500 AM/13.

Corbi, David D. (CW2) (M95) 6546 Bayridge Drive, Hilliard, OH 43028-9042. Res: (614) 529-9569. S: Janet. Dy: Trp D, 2nd Bn, 107 Cav, Columbus, OH. RW Qual. Time: 420 Hrs.

Corcoran, Stephen J. (SSG) (M95) (Corky) 1113 S Oak Park Avenue, Apt. 3-3, Oak Park, IL 60304-2052. Dy: (708) 354-5130. Res: (708) 524-1915. S: Amy. Dy: Crew Chief, B Co, 1/108th Avn Regt.

Cordier, Victor J. (MAJ) (M91) 6373 Holloway Drive, Middletown, OH 45044-9147. Dy: (513) 425-3294. Res: (513) 955-9122. S: Helen. Dy: 371st Sp Grp, HQ, OHARNG, Kettering, OH. Rtg: MTP. RW Qual. Time: 1,005 Hrs./Cbt 28 AM/1.

\*Courtland, Christopher. (CW2) (M94) 708 Phalen Drive, Apt. B, Copenhagen, NY 13626. S: Joann. Dy: 2/126th Assault Bn, Burlington, VT, B Co, 3/158th, Wadsworth, VT. RW Qual. Time: 154 Hrs.

Cowart, Noel T. (MAJ) (M89) (T.) 104 Huckleberry Lane, Dothan, AL 36803. Dy: (334) 255-2520. Res: (334) 792-6075. S: Linda. Dy: Chief, ARNG Avn Division Multi Media Branch Chief. Rtg: MAA. RWFW Qual. Time: 3,700.

Coy, Chris A. (LTC) (M94) 5181 Gillette Avenue, Hilliard, OH 43026. Dy: (614) 492-3047. Res: (614) 771-2769. Dy: Cd, 3-137 Assault Helicopter Battalion, Rickenbacker Airport, OH. Rtg: SAA. RW Qual. FW Qual. Time: 2,000 Hrs. Life Member.

\*Crawford, James F. (LTC) (M94) (Jim) 105 Victoria Drive, Enterprise, AL 36330. Res: (334) 393-1923. S: Linda. Dy: Instructor Pilot, UNC Aviation Services, Inc. Rtg: MAA. IFE. MTP. RWFW Qual. Time: 6,170

Hrs./Cbt 125 AM/4.

Creech, John B. (CPT) (M86) 101 La Flore, Starkville, MS 39759-2018. Dy: (601) 323-2236. Res: (601) 323-4120. S: Beth. Dy: Cdr, C Co, 1-185th Avn, Rtg: SAA. RWFW Qual. Time: 1,300 Hrs.

Crenshaw, David E. (1LT) (M94) 1516 N 36th Avenue, Birmingham, AL 35207-4135. Dy: (205) 841-1633. Dy: Section Leader, Co F, 1/131 Avn Bn, Birmingham, AL. RW Qual. Time: 255 Hrs. Life Member.

Crosley, Richard E. (CW4) (M93) (Rich) 1741 Rupert Road, Posttstown, PA 19464-2756. Dy: (717) 861-8281. Res: (215) 326-5012. S: Janette. Dy: IFE, Trp 1 Sqn, 104th Cav, Fort Indiantown Gap, PA. Rtg: MAA. IFE. RW Qual. Time: 4,700 Hrs./Cbt 1,016 DFC1, AM/33. Bronze St. Michael.

Culp, Jeffrey R. (SGM) (M83) (Jeff) AAAA Natl Member-at-Large, 178 Norway Lane, Lebanon, PA 17042-9003. Dy: (717) 861-8252. Res: (717) 274-1904. S: Bonnie. Dy: HQ Aviation Brigade, Ft. Indiantown Gap, NEB. President, Indiantown Gap Chapter. Past Chapter Officer.

\*Cummins, Michael D. (MAJ) (M94) (Bud) 28 Lost Lutchman Drive, St. Peters, MO 63376. Res: (314) 441-1593. S: Jill. Dy: 6025 Garrison Support Unit, St. Louis, MO. RW Qual. Time: 660 Hrs./Cbt 30

Curadi, Richard J. (CW3) (M93) (Noid) 170 Byram Road, Greenwich, CT 06830. Dy: (203) 532-9117. Res: (203) 532-1170. S: Denise. Dy: B Co, 2/126th Avn Regt, Bradley IAP. Rtg: AA. RW Qual. Time: 1,400 Hrs./Cbt 4

Curless, Tim A. (CW3) (M88) 14171 N US Highway 231, DelMotte, IN 46310. Dy: (219) 896-8620. Res: (219) 987-3052. S: Janet. Dy: Pilot, ILARNG-Peoria, F Co, 1/106th Avn. RW Qual. FW Qual. Time: 2,890 Hrs.

\*Dalporto, Gene P. (SPC) (M88) 6309 Jacqueline, Wichita, KS 67208-3625. Dy: (316) 676-5074. Res: (316) 685-2688. S: Sarah. Dy: C Co, 2/158th Avn Regt, 6th Cav, Army Reserve.

Daniels, Ronald C. (CW4) (M91) 67 Dutchess Hill Road, Poughkeepsie, NY 12601. Dy: (518) 786-4391. Res: (914) 454-7670. S: Maria. Dy: Pilot, Albany, NY.

Davies, William J. (COL(F)) (M85) (Bill) Zanelta Court, Folsom, CA 95630-2245. Dy: (916) 854-3527. Res: (916) 985-4092. S: Dolores. Dy: Deputy Adjutant General, CAARNG, Sacramento, CA. Rtg: MAA. RW Qual. Time: 3,000 Hrs. Past Chapter Officer.

Davis, Joseph M. (CW3) (M90) (Joe) 10964 Ashbourne Trail, Jacksonville, FL 32225. Dy: (904) 641-8377. Res: (904) 642-5128. S: Terri. Dy: Asst Pilot, A Co, 1-111 Avn. Rtg: MTP. IFE. RW Qual. Time: 2,200 Hrs. Treasurer, America's First Coast Chap. Past Chapter Officer.

Davis, Thomas J. (CW4) (M84) 1743 Heroy's Pond Court, Wall, NJ 07719. Dy: (908) 323-2115. Res: (908) 681-3203. Dy: CECOM, Fort Monmouth, Flight Test Pilot. Rtg: MAA. IFE. MTP. SIP. RW Qual. FW Qual. Time: 7,800 Hrs./Cbt 1,451 AM/51. Past Chapter Officer.

Day, Shellah R. (CPT) (M93) 4531 N Hillcrest Avenue, Wichita, KS 67220. Dy: (913) 823-5031. Res: (316) 744-7475. S: Patrick. Dy: Commander, Det 1-A, 1-108th Avn, Salina, KS. Rtg: AA. MTP. RW Qual. Time: 1,000/Cbt 25

Dean, Denis W. (CW4) (M92) 22 Burdick Road, Preston, CT 06365. Dy: (860) 441-2931. Res: (860) 887-0668. S: Dolores. Dy: AVCRAD General Foreman.



\*Deaton, Glenn F., (CW2) (M96) 210 Churchill Court, Elizabethtown, KY 42701. Dy: (812) 248-5454. Res: (502) 737-4270. S: Ange. Dy: Helicopter Pilot-Whirl Away Helicopters Inc., Sellersburg, IN.

DeCuir, Darren A., (1LT) (M95) 149F Jubilee Hill Drive, Wildwood, MO 63040. S: Marcl. Rtg: AA. RW Qual. FW Qual. Time: 450 Hrs.

Deer, Richard B., (CW4) (M96) (Rich) 308 W. 4th Street, Charlotte, MI 48813-2166. Dy: (517) 543-3512. S: Terraine. Dy: Asst Dir, Eaton Co, Central Dispatch. Rtg: SIP. RW Qual. Time: 4,000 Hrs./Cbt 1,260 AM/20.

Dehoog, David C., (CPT) (M93) 11 Rhine Drive, Kenner, LA 70085. Dy: (504) 243-7630. Res: (504) 465-9139. S: Shellie. Dy: Commander, D Company, 1-244 Avn Bn, New Orleans. LA. Rtg: MTP. RW Qual. Time: 850 Hrs. Life Member.

\*DeKay, Gary E., (COL) (M83) 134 Lake Shore Drive, Daphne, AL 36526. Dy: (334) 471-1609. Res: (334) 826-3508. S: Karen. Dy: USAR Control Group, St. Louis, MO. Rtg: MAA IFE SIP. RW Qual. FW Qual. Time: 9,307 Hrs./Cbt 1,850 AM/24.

Delgrosso, Timothy J., (SFC) (M95) (Tim) 1900 17th Street, NE, Salem, OR 97303-1112. Dy: (503) 945-3968. Res: (503) 363-6455. S: Michelle. Dy: Readiness NCO, 1042nd Med Co, Treasurer, Oregon Trail Chapter.

DeLoia, Matthew P., (CW4) (M92) (Matt) 3 Emerald Way, Forestdale, MA 02644. Dy: (508) 477-3049. S: Phyllis. Dy: F Company, 2/126th Avn, National Guard, Otis ANG, MA. Rtg: MAA IFE SIP MTP. RW/IFW Qual. Time: 5,612.

Dent, Daniel M., (MAJ) (M87) (Dan) Box 870702, Tempe, AZ 85287-0702. Dy: (602) 965-7617. Dy: Assistant Prof., Mil Science, Dept. Mil. Science, Az State Univ.. Rtg: SAA IP MTP. RW Qual. Time: 2,500 Hrs.

Derouin, Pete W., (1LT) (M96) 71 A.M. Windham Drive, Apt 710, Dalesville, IA 36322. RW Qual. Time: 150 Hrs.

Desai, Parag A., (WO1) (M95) 2220 E. Ivy, St. Paul, MN 55119. Dy: (612) 296-4501. Res: (612) 774-1608. RW Qual. Time: 500 Hrs.

DeSouza, Mark R., (CW2) (M95) P.O. Box 692, North Kingston, RI 02852. Res: (401) 295-7201. S: Robin. Dy: Forklift Mechanic-Crellin Handling Equipment. RW Qual. FW Qual. Time: 360 Hrs.

Desrosiers, John J., (1LT) (M93) 6204 Vista Del Mar, No. 268, Playa del Rey, CA 90293-8825. Dy: (818) 767-5442. Res: (310) 827-8425. Dy: Manufacturing Engineer, Johnson & Johnson. RW Qual. Time: 350 Hrs. Life Member.

Devor Jr., Charles L., (CW2) (M86) 7248 Smith Road, Chambersburg, PA 17201-9627. Dy: (717) 861-8339. Res: (717) 263-5875. Dy: Maint Test Pilot, A Co, 2/104th Avn Rtg: MTP. RW Qual. FW Qual. Time: 1,100 Hrs.

Dickens, Brian W., (CPT) (M91) 508 Eaglecreek Drive, Leander, TX 78641-7914. Dy: (512) 465-5614. Res: (512) 259-2989. S: Susan. Dy: TXARNG, Austin, TX. Rtg: SAA. RW Qual. Time: 2,100 Hrs. AM/1.

\*Dillon, Richard T., (COL) (M92) (Dick) 5600 William Street, Lancaster, NY 14088. Dy: (716) 662-6150. Res: (716) 858-7010. S: Cheryl. Dy: IRR. RW Qual. Time: 3,400 Hrs./Cbt 700 DFC1, AM/2. Past Chapter Officer.

Dobbs, Daniel S., (SSG) (M96) 33944 Fountain Boulevard, Westland, MI 48185. Dy: (313) 596-2098. Res: (313) 261-5677.

Dy: Police Officer, Detroit Police Dept.

\*Doehi, Robert A.K., (MAJ) (M89) 6715 Poplar Avenue, Takoma Park, MD 20912. Dy: (757) 878-5157. Res: (301) 891-3273. S: Lisa. Dy: S-3, 5/159th Avn Regt, Fort Eustis, VA. Rtg: AA. RW Qual. FW Qual. Time: 1,000 Hrs.

Dohm, David J., (CW3) (M87) P.O. Box 352, Tinker Park, IL 60477. Dy: (708) 437-9300. Res: (708) 429-6458. S: Mary Pat. Dy: Vice President, Aerodrome Aviation, Inc. RW Qual. Time: 2,100 Hrs./Cbt 943 DFC1, AM/15. Vp, Arng, Greater Chicago Area Chap.

\*Dormuth, James M., (MAJ) (M90) 3612 Tall Timbers Drive, Birmingham, AL 35242-3023. Dy: (205) 326-2929. Res: (205) 980-8834. Rtg: SAA. RW Qual. FW Qual. Time: 1,500 Hrs./Cbt 620 DFC1, AM/20.

Doster, Christina C., (2LT) (M94) 1631 Packard, Apt. 1, Ann Arbor, MI 48104. Dy: (717) 627-0172. Res: (313) 913-8513. S: Christy. Dy: D Co, 2/147th Avn, Grand Ledger, MI. RW Qual. Time: 320 Hrs.

Doyle, Billy C. Jr., (CW2) (M91) 28806 Birefield Street, Spring, TX 77386. Dy: (713) 233-1198. Dy: Pilot, Continental Airlines, Houston, TX. Rtg: SAA. RW Qual. FW Qual. Time: 800 Hrs.

Dray, Dennis B., (MAJ) (M90) 7673 N. Jensen Drive, Tucson, AZ 85741-1781. Dy: (602) 682-4623. S: Jeanette. Dy: Western ARNG Aviation Training Site, Simulation Branch Chief/S3. Rtg: SAA ASO. RW Qual. Time: 1,300 Hrs.

Dreher, Daniel J., (CW2) (M93) 198 Outboard Avenue, Manahawkin, NJ 08050. Dy: (609) 538-6077. Res: (609) 597-1022. S: Bernadette. Dy: C Co, 1-150th Avn, NG. Rtg: IP. RW Qual. FW Qual. Time: 1,400 Hrs./Cbt 59 AM/1.

Duffey, John D., (CW3) (M92) 6112 Clearbrook Drive, Springfield, VA 22150. Dy: (703) 681-0841. Dy: NGB-CD, National Guard Bureau, Washington, DC. Rtg: MTP. RW Qual. Time: 950 Hrs.

Dunston, Stanley W., (CPT) (M89) 1800 North Harrison Ave., Cary, NC 27513. Dy: (919) 664-6181. Res: (919) 677-1148. Dy: D Co Cdr, 1/130rd Avn Bn, Morrisville, NC. Rtg: MTP. RW Qual. Time: 2,010 Hrs.

Dupree, Ron D., (MAJ) (M83) (Tiger) 335 Dupree Drive, N.W., Huntsville, TN 35806. Dy: (502) 624-2970. Res: (205) 830-4190. S: Shana. Dy: Battalion Executive Officer, 8/229th Avn. Regt (Abk), Fort Knox, KY. Rtg: SAA. RW Qual. Time: 2,200 Hrs. Life Member. Treasurer, Flying Tigers Chapter. Past Chapter Officer.

Durham, Kris E., (CPT) (M85) 325 Castlemere Court, Murfreesboro, TN 37130. Dy: (615) 355-3738. Res: (615) 904-9989. S: Patricia. Dy: Supervisory MTP, TNARNG. Rtg: AA MTP. RW Qual. Time: 1,200 Hrs.

Duval, Marcus E., (SGT) (M94) 6083 Blank Drive, Jacksonville, FL 32244. Dy: (904) 641-5041. Res: (904) 778-3253. S: Angela. Dy: 1/111th Avn Regt.

Duvnjak, Mirko, (CW3) (M84) (Doov) 1198 Pacific Coast Hwy, No. D-323, Seal Beach, CA 90740-6251. Dy: (310) 795-2456. Res: (714) 813-2918. Dy: AMO, F Troop, 18th Cav. Rtg: SAA MFFE. RW Qual. Time: 2,000 Hrs.

\*Dyer, Allan G., (LTC) (M75) (Al) 2826 Woodview Drive, Bel Nor, MO 63121. Dy: (314) 263-0415. S: Martina. Dy: Engineer, ATCOM.

Eaton, Kevin W., (CW3) (M96) 2001 E. Chanility Drive, Sierra Vista, AZ 85635. Dy:

(520) 452-1782. Res: (520) 452-1687. S: Miriam. Dy: 1st Battalion, 149th Avn Regt, Ellington ANGB, Houston, TX. Rtg: IP. RW Qual. Time: 1,500 Hrs./Cbt 20 AM/1.

Edmonds, Neal J., (CW2) (M85) (Gator) 4513 Vienna Woods Place, Glenn Allen, VA 23060-6272. Dy: (804) 236-7305. Res: (804) 346-8736. S: Lisa. Dy: 8 Co, 2-224th (Assault) ARNG, Richmond, VA. Rtg: SAA. RW Qual. Time: 1,800 Hrs. Life Member. Vp, Membership Enrollment, Stonewall Jackson Chapter.

Edwards, William T., (CW4) (M77) (Bill) P.O. Box 1161, Clayton, GA 30526. Dy: (404) 656-6019. S: Terri. Dy: Standardization Instructor Pilot, AASF #1, Winder, GA. Rtg: SIP. RW Qual. Time: 4,000 Hrs.

Eisenbatt, Richard J., (MSG) (M96) (Rick) HQ, USEUCOM EC912, Unit 30400, Box 1000, APO AE 09248-4209. S: Mia.

Eisner, Lester D., (LTC) (M93) (Les) 2604 Bristlewood Drive, Columbia, SC 29209. Dy: (803) 806-4335. Res: (803) 776-5497. Dy: State Aviation Officer, ANGB, Eastover, SC. Rtg: IP. RW Qual. Time: 5,000 Hrs.

Eiss, John P., (CW4) (M92) (IceMan) 54 Mar. 1161st, Clayton, GA 30526. Dy: (4150) (716) 858-6089. Res: (716) 894-0126. S: Peggy. Dy: Erie Co. Health Dept, Sr Public Health Sanitarian. Rtg: IP. RW Qual. Time: 4,000 Hrs./Cbt 800 DFC/2, AM/16.

Enright, John L., (COL) (M69) 21 Sykes Road, Seekonk, MA 02771. Dy: (401) 621-5402. S: Karen. Dy: AASF Quonset State Airport, RI. Rtg: MAA IFE SIP. RW Qual. Time: 7,000 Hrs./Cbt 998 AM/22. Life Member. Past Chapter Officer.

Erickson, Ernest T., (LTC) (M90) (Tage) 11 Brush Hill Road, Clinton, CT 06413. Dy: (203) 386-5501. Res: (860) 669-3577. S: Lois. Dy: Bn Cdr, 1/169th Avn Bn, CTARNG. Rtg: MAA MTP. RW Qual. FW Qual. Time: 6,140 Hrs.

\*Erker, Michele K., (MAJ) (M83) HHC, 194th Mnt Bn, Unit 15215, APO AP 96271-0151. S: Erich. Dy: Ops Officer, USAG Camp Humphreys, Korea. Rtg: AA TP. RW Qual. FW Qual. Time: 610 Hrs.

\*Erlanson, Ernest A., (CPT) (M88) (Ernie) 3141 Shellfield Place, Holland, PA 18966-2911. Dy: (215) 671-2961. Res: (215) 860-5513. S: Sue. Dy: 1st Smt. Grp, 1st Bde, 78 Div. (Ex). Rtg: SAA. RW Qual. Time: 1,500 Hrs.

Ernest, William H., (CW4) (M91) (Bill) 6 Groot Drive, Altamont, NY 12009. Dy: (518) 786-4334. S: Arpy. Dy: Avn Logistics Officer, State Army Aviation Office, Latham, NY. Rtg: MTP ME. RW Qual. FW Qual. Time: 3,750 Hrs.

Ewing, Earl P., (COL) (M83) 6 Christopher Court, West Hummelstown, PA 17098. Dy: (717) 861-8825. Res: (717) 586-6182. S: Trudy. Dy: State Army Aviation Officer, Fort Indiantown Gap, PA. Rtg: MAA IP MTP. RW Qual. FW Qual. Time: 4,300 Hrs./Cbt 244

Falcon, Ricardo A., (MAJ) (M83) (Ricky) 913 Isaura Arnu Street, Country Club, San Juan, PR 00924. Dy: (809) 722-3916. S: Maribel. Dy: Bn XO, 292 CSB, TPA MTP, PRARNG, Fort Allen. Rtg: SAA IP Cdr. RW Qual. Time: 2,700

Farmer, Jeffrey M., (SSG) (M95) P.O. Box 427, Sandston, VA 23150-5050. Dy: (804) 236-7315. Res: (804) 268-0877. Dy: Army Aviation Support Facility, Sandston, VA.

\*Fast, Peter, (MAJ) (M86) (Pete) 2400 Woodfield Circle, Lexington, KY 40515. Dy: (502) 454-2902. Res: (606) 273-2519. S: Cynthia. Dy: 10th Bn, 6 Bde, 100 Div. (IT), Lexington, KY. Rtg: AA. Time: 600, AM/1.



\*Fiedacko, Michael J., (MAJ) (M96) (Psych) P.O. Box 231, Ashton, MD 20681. Dy: (847) 266-2947. Res: (301) 585-9373. Dy: 2444h Avn. Bde., Fort Sheridan, IL.

Felderman, Robert J., (MAJ) (M86) (Bob) 1980 Marion Street, Dubuque, IA 52003-7136. Dy: (319) 557-1465. Res: (319) 582-4548. S: Nancy. Dy: XO, 1st Battalion, 109th Aviation, Boone, IA. Rtg: MAA, RWQual. FW Qual. Time: 2,200 Hrs. Life Member.

\*Fenell, David L., (MAJ) (M95) 7605 Yellowwood Drive, Colorado Springs, CO 80920-6622. Dy: (719) 593-3276. Res: (719) 590-1252. S: Ruth Ann. Dy: Prof., Univ. of Colorado Springs, CO.

\*Ferguson, Corey J., (CW4) (M73) 23342 Ronea, Mission Viejo, CA 92692-2284. Dy: (714) 855-1205. Res: (714) 768-5484. S: Barbara. Dy: Dept. of the Army Regional Rep. to the FAA, Western-Pacific Region. Rtg: MAA IFE SIP, RWFW Qual. Time: 12,200 Hrs. Life Member.

Fields, Darin, (2LT) (M96) 2728 Alder Creek Drive S., No. 2, North Tonawanda, NY 14120. Res: (716) 731-5309.

Finnell, Joel W., (CPT) (M92) 21 Pine Grove Drive, Bernardston, MA 01337. Dy: (413) 557-3401. S: Susan. Dy: D/1-126th Avn, Westover ARB, MA. Rtg: AA, RW Qual. Time: 900 Hrs.

Fitzgerald, Brian P., (1LT) (M91) (Fitz) 24 Okros Road, Tinton Falls, NJ 07712-3129. Res: (908) 493-9095. Dy: 1-150th Avn NJARNG. RW Qual. Time: 712 Hrs./Cbt 105

\*Flanders, Stephen A., (MAJ) (M81) 122 N. Fullerton Avenue, Montclair, NJ 07042. Res: (201) 746-5211. Rtg: SAA, RW Qual. FW Qual. Time: 1,500 Hrs. Past Chapter Officer.

Fleming, Christopher, (CPT) (M94) 3521-302 Ivy Commons Dr., Raleigh, NC 27606. Dy: (919) 664-7658. Res: (919) 676-1220. Dy: Assl-S-3, 1-130th Avn Rgt. MTP, RW Qual. FW Qual. Time: 1,000 Hrs./Cbt 300 AM/1.

\*Foerschler, Dale L., (CW2) (M96) 65 Boyce Lane, Fort Rucker, AL 36362. Dy: (334) 255-5058. Res: (334) 503-1170. S: Kathleen. Dy: AH-64 Instructor Pilot, D Co, 1-14 Avn, Fort Rucker, AL. Rtg: P, RW Qual. Time: 2,300.

Foster, Edward A., (LTC) (M72) 362 Mohawk Road, Santa Barbara, CA 93109. Dy: (310) 477-8591. Res: (805) 564-4208. S: Alexis. Dy: HQ, 40th Div Arty, CAARNG. Rtg: SAA, RW Qual. Time: 1,600 Hrs./Cbt 950 AM/2.

Fowler, John V., (CW5) (M83) 2502 Goldfinch Drive, Cedar Park, TX 78613-5115. Dy: (512) 465-5835. Res: (512) 465-5167. S: Victoria. Dy: Cdr, Det 49, OSACOM, TXARNG, Austin, TX. Rtg: MAA SIP IP TP MTP, RW Qual. FW Qual. Time: 15,732 Hrs./Cbt 826 AM/1V, 300LC. Past Chapter Officer.

Frazier, Paul, (CPT) (M91) 183 Deer Ridge Drive, Florida, MS 39071. S: Renee.

\*Freeman, Tyrone J., (CW2) (M87) (Ty) 602 End O Trail, Harker Heights, TX 76548. Dy: (817) 288-7429. Res: (817) 698-2146. S: Gall. Dy: A Co, 404th Avn Sup. Bn, Fort Hood, TX. Rtg: SAA, RW Qual. Time: 1,100 Hrs.

Friedmann, Gerard, (CPT) (M86) (G-Mann) 80 Rowena Road, Newton, MA 02159. Dy: (508) 988-5146. Dy: Flight Operations Officer, 1059 Med Co (AA), Cape Cod, MA. Rtg: SAA, RW Qual. Time: 1,600 Hrs. Life Member.

Friskel, Mark H., (CW4) (M82) 9368 North

Hampshire, Tucson, AZ 85742. Dy: (520) 682-4627. Res: (520) 742-5589. S: Karen. Dy: HQ, 1285 Avn, AZARNG, Marana, AZ. Rtg: MAA SIP, RW Qual. Time: 7,000 Hrs. Life Member. Past Chapter Officer.

Frost, John M., (CW2) (M85) (Jack) 201 Maplewood, Hot Springs, AR 71913-5628. Res: (501) 623-2633. S: Candace. Dy: A Co/1-114th Avn, Camp Robinson, North Little Rock, AR. Rtg: AA MTP, RWFW Qual. Time: 950 Hrs.

Fuller, Carlton, (CW3) (M85) (Carl) RR #3, Box 6734, Barre, VT 05641. Res: (802) 229-4608. S: Kim. Dy: Co C, 2/126 Avn Bn, South Burlington, VA. Rtg: SAA, RW Qual. Time: 1,200 Hrs.

\*Furlough, Robert W., (CW4) (M93) 242 Apple Valley Drive, Sherwood, AR 72120-3853. Dy: (501) 666-1500. Res: (501) 835-8006. Dy: USAR, IRR. Rtg: MAA IFE SIP, RW Qual. Time: 4,000 Hrs./Cbt 1,000 AM/1.

\*Gallavan, Christopher, (COL) (M83) (Chris) 3114 Christopher Street, Grand Prairie, TX 75052-6011. Dy: (214) 373-8939. Res: (214) 394-4597. Dy: Attorney, Dallas, TX. Rtg: MAA, RW Qual. FW Qual. Time: 3,000 Hrs./Cbt 200 AM/3. Past Chapter Officer.

Gallofin, Jorge H., (CPT) (M93) P.O. Box 1770, Moca, PR 00676. Dy: (809) 877-5050. Res: (809) 877-4885. RW Qual. Time: 315 Hrs.

\*Gance, Joseph P., (CPT) (M90) (Joe) 2820 East Colorado Avenue, Denver, CO 80210. Dy: (303) 871-3337. Res: (303) 639-1225. S: Jennifer. RW Qual. Time: 159 Hrs. Life Member.

Gardner, Jerry N., (CPT) (M96) (Snake) 806 Shamrock Drive, Little Rock, AR 72118. Dy: (501) 212-5390. Res: (501) 758-6942. S: Karey. Dy: Commander, Co D, 2-135 Avn (LH), Camp Robinson, Little Rock, AR. RW Qual. Time: 1,225 Hrs.

Gaver, Kevin L., (2LT) (M95) 4527 N Circulo De Kiots, Tucson, AZ 85715. Dy: (520) 628-9631. Res: (520) 529-4830. RW Qual. Time: 380 Hrs.

George, Thomas W., (CPT) (M89) 1025 W. Cornell Drive, Tempe, AZ 85283-1623. Dy: (520) 682-4663. Res: (602) 491-3946. S: Patricia. Dy: 51, HHC, 1-285th Avn Bn, Silver Bull AHP, Marana, AZ. RW Qual. Time: 900 Hrs. Life Member.

Gilmore, Mike K., (CPT) (M95) 13603 Marina Pointe, Apt. B-502, Marina Del Rey, CA 90292. Res: (310) 577-4748. Dy: Troop Cdr, E-1-18 Cav, Los Alamitos, CA.

Goble, Don Davy, (CW4) (M96) (Midnite) 1210 Algo Street, Alhambra, CA 94024. Dy: (510) 627-0118. Res: (510) 629-7648. S: Sandra. Dy: MIARNG Flight Instructor/E. Rtg: IFE SIP, RW Qual. FW Qual. Time: 14,220 Hrs.

Godwin, Robert E., (LTC/P) (M86) (Bob) 109 Muirfield Lane, Dothan, AL 36301. Dy: (334) 255-3531. S: Carol. Dy: Deputy Assistant Commandant, USAAVNC, Fort Rucker, AL. Rtg: MAA MTP, RW Qual. FW Qual. Time: 2,500 Hrs. Past Chapter Officer.

Gonzalez, Hector P., (CW2) (M95) 10 Farmgate Lane, Palatino, IL 60067. Dy: (815) 942-4500. Res: (847) 202-9461. Dy: Mechanical Engineer, COMED. RW Qual. Time: 1,000 Hrs.

Goodale, John A., (LTC) (M81) 1171 Lafayette Court, Boise, ID 83706-5633. Dy: (208) 422-9954. S: Elisabeth. Dy: 118 Cav Bde (Armor), S-3. Rtg: SAA, RW Qual. Time: 2,065.

Goodwin, Andrew W., (MAJ) (M85) (Drew) 5005 Elkwood Court, Raleigh, NC 27613.

Dy: (919) 664-7506. S: Sue. Dy: Facility Commander, Morrisville, NC. Rtg: AA IP TP MTP, RW Qual. Time: 2,000 Hrs. Life Member. Vp, Programs, Tarheel Chapter, Past Chapter Officer.

Grabowski, Stanley, (CSM) (M95) 463 Sunbury Street, Minersville, PA 17954. Dy: (717) 861-2032. Res: (717) 544-2041. S: Eileen. Dy: Pennsylvania Army National Guard, 28th ID, 2-104th Avn.

Graham, Wendell M., (MSG) (M96) (Wendy) 352 Main Street, Acton, MA 01720. Dy: (617) 353-5453. Res: (508) 635-9737. S: Thomas.

Grapin, Mark W., (CW3) (M90) 5738 S. Redwood Road, No. 303, Salt Lake City, UT 84123. Dy: (801) 565-4432. Res: (801) 277-8257. Dy: 1-100th, A-1, 2-11 Avn Bn, UTRANG also Vp Investor Rel Firm. Rtg: SAA, RW Qual. Time: 2,100 Hrs.

\*Gray, Clinton D., (CW4) (M96) 201 Whipperwill Drive, Louisville, KY 40222. Res: (502) 425-4845. S: Nancy. Dy: C Co, 8/229 ATK Hel Reg, Fort Knox, KY.

Green, John W., (CW4) (M90) (BigFoot) 11409 White Bay Lane, Jacksonville, FL 32225-2409. Dy: (904) 641-0003. Res: (904) 641-9406. Dy: B Co, 1-11th Avn Regt, 4th Hqtr, AH-64 IP. Rtg: IP MTP, RW Qual. Time: 3,500 Hrs.

Green, Jr., John H., (SGT) (M92) 919 Winters Church Road, Linwood, MD 21791. Dy: (410) 833-8085. Res: (410) 875-2284. Dy: Rainbow Valley Farm.

Greenaway, Christopher, (WOC) (M96) (Chris) 1821 Byron Street, Cayce, SC 29033. Dy: (803) 796-4606. Res: (803) 796-4606. S: Sandra. Dy: SCARNG, 1/151st Avn, Columbia, SC.

Greenwood, David A., (MAJ) (M95) 9862 114th Ave. N.E., Mount Angel, OR 97362-9770. Dy: (503) 945-3262. Res: (503) 845-9753. Dy: Bn S-2/3, 641st Med Bn, RWFW Qual. Time: 4,000 Hrs.

Greenwood, Mark R., (MAJ) (M88) 307 Plumage Court, Normal, IL 61761. Res: (309) 688-9947. S: Felicia. Dy: 64th Troop Command, WIARNG, Madison, WI. Rtg: AA, RW Qual. Time: 780 Hrs. Life Member.

Grubbs, Arthur J., (CW2) (M89) (Art) 5016 Raintree Road, Durham, NC 27712-1912. Dy: (919) 684-7620. Res: (919) 383-8297. S: Anna. Dy: Maintenance Test Pilot, 1/130 Aviation, Rtg: AA MTP, RW Qual. Time: 1,000 Hrs./Cbt 60 AM/1. Past Chapter Officer.

Griffin, George W., (SPC) (M95) (Wayne) 1158 Bourque Road, Duxon, LA 70529. Dy: (318) 641-6273. Res: (318) 989-7222. Dy: C Co, 1/244 Avn Regt, Camp Baggard, LA.

\*Grogan, Kenneth J., (MAJ) (M79) Route 5, Box 213 A, Franklin, IL 66131. Res: (812) 525-5437. S: Ruth. Dy: Pilot, Northwest Airlines. Rtg: SAA, RWFW Qual. Time: 10,000 Hrs.

Gruetzmacher, Edward C., (COL) (M72) (Ed) 1908 Merin Ave, Jefferson City, MO 65101. Dy: (314) 751-9634. Res: (314) 634-4063. S: Rita. Dy: State Avn Off, MOARNG. Rtg: MAA IP TP, RW Qual. FW Qual. Time: 4,000 Hrs./Cbt 500 AM/8.

Guidry, Robert E., (CPT) (M95) 8U Jackson Barracks, New Orleans, LA 70146. Dy: (504) 278-8330. Res: (504) 468-6747. S: Jeannie. Dy: Executive Officer, State Aviation Command, New Orleans, LA. Rtg: MTP, RW Qual. Time: 900 Hrs.

\*Gurley, Richard H., (CPT) (M88) (Rich) 3931 Bowersville Highway, Bowersville, GA 30516. Dy: (912) 965-3303. Res: (706) 376-4654. Dy: Aircraft Configuration

Analyst, Gulfstream Aerospace Corp. Ret.  
AA, RW Qual. FW Qual. Time: 291 Hrs./Cbt  
4 AM/1.

Hackney, Malcolm L. (CW4) (M90) (Max)  
1720 Coventry Place, Decatur, GA  
30030-1005. Dy: (404) 675-5071. Res:  
(404) 373-7547. S: Liz. Dy: 148th Medical  
Co. (AA), Dobbins AFB, GA. Rtg: MAA TP  
MTP. RW Qual. FW Qual. Time: 4,000  
Hrs./Cbt 760 DFCOLCJ3AM32.

Hagaman, Perry L. (CPT) (M85) 4019  
Turnberry Court, Jacksonville, FL  
32225-4605. Dy: (904) 641-6003. Res:  
(904) 466-1958. S: Susan. Dy: Safety  
Officer, FLARNG. Rtg: MTP IP. RW Qual.  
FW Qual. Time: 3,200 Hrs.

\*Hager, Jeffrey E. (CPT) (M88) (Jeff) D Co,  
1-1 Avn, 11D, CMR 454, Box 3463, APO AE  
09250. S: Andrea. Dy: Cdr. RW Qual. Time:  
870 Hrs./Cbt 35 AM/1. Life Member.

Hageman, Andrew M. (WO1) (M94)  
(Rooster) 3359 Parkmont Court, Springfield,  
MO 65807. Res: (417) 886-1018. S: Jean  
Ann. Dy: 1-135 Avn Cobra Attack Bn,  
Whiteman Air Force Base. RW Qual. Time:  
300 Hrs.

Hall, Roy A. (MAJ) (M86) (Roy) P.O. Box  
471, Fort Knox, KY 40121-0471. Dy: (502)  
624-2271. Res: (502) 924-8438. S: Cyndi.  
Dy: S3, 8-229th ATKHB (AH-64A), Fort  
Knox, KY. Rtg: SAA. RW Qual. Time: 1,100  
Hrs.

Halverson, Robert B., (SFC) (M95) (Halvy)  
1832 Lomita Avenue, Stockton, CA 95204.  
Dy: (209) 463-4100. Res: (209) 463-4100.  
S: Cecile. Dy: 68B Power Plan Mech.

Hambrecht, Stephen E., (MAJ) (M89)  
(Hammer) 9489 Whaley's Lake Trace,  
Jonesboro, GA 30236. Dy: (404) 629-8685.  
Res: (404) 471-1626. S: Joan Rita. Dy:  
Force Structer Aviation, OI, USARC. Rtg:  
SAA TP MTP. RW Qual. Time: 2,600 Hrs.

Hamm, Eric L. (CW2) (M91) 208 Johnna  
Road, Newark, DE 19711. Dy: (302)  
326-7205. Res: (302) 738-9008. S: Jennifer.  
Dy: Delaware National Guard, New Castle  
Airport, DE. Rtg: AA. RW Qual. Time: 1,100  
Hrs.

Hammon, David W., (CPT) (M96) RR 3, Box  
81, Petersburg, IL 62675. Dy: (309)  
697-7944. Res: (217) 636-7278. Dy: HHC,  
1-106th Avn Bn. Secretary, Land Of Lincoln  
Chapter.

Hannemann, James R., (CW2) (M96) (Jim)  
1404 Miller Street, Washington, IL 61571.  
Dy: (309) 578-2674. Res: (309) 444-4062.  
S: Kathy. Rtg: SAA. RW/FW Qual. Time:  
4,500 Hrs.

Hara, Gary M., (LTC) (M84) 94-386  
Hokuhahi St., Mililani Town, HI 96789. Dy:  
(808) 656-2709. Res: (808) 623-8558. S:  
Dianne. Dy: Cdr, AASF 1, Wheeler AAF, HI.  
Rtg: MAA SIP. RW Qual. FW Qual. Time:  
4,200 Hrs.

Hardy, Ralph M., (CW4) (M89) (Buddy) 4100  
Highway 80 East, Selma, AL 36701. Dy:  
(334) 284-6426. Res: (334) 872-4965. S:  
Kathryn. Dy: Commander, Det 5 OSAC,  
Montgomery, AL. Rtg: SAA SIP MTP.  
RW/FW Qual. Time: 11,000 Hrs.

Hardy, Randy L. (CPT) (M85) (Randy)  
11220 E. Brainerd Road, Apison, TN 37302.  
Dy: (615) 634-6018. Res: (615) 236-4517.  
S: Gina. Dy: Detachment Commander,  
TNARNG, CECAT (Med), UH60Q. Rtg: AA.  
RW Qual. Time: 1,300

Harper, Kevin L., (CW3) (M85) (Kevin) 222  
Swatara Circle, Jonestown, PA 17038-9729.  
Dy: (717) 861-8851. Res: (717) 865-2170.  
S: Annette. Dy: AH-1 IP, IFE, Eastern ANG  
Aviation Training Site. Rtg: SAA SIP IFE.  
RW Qual. Time: 2,600 Hrs.

Harris, John M., (CW4(P)) (M71) P.O. Box  
176, Moffett Field, CA 94035-0176. Dy:  
(415) 962-0447. Res: (408) 377-0398. S:  
Jeanne. Dy: Safety Officer, Aviation  
Brigade, 40th Inf Div, Fresno, CA. Rtg:  
MAA SIP. RW Qual. Time: 7,350 Hrs./Cbt  
345 AM/6. Life Member. Past Chapter  
Officer.

\*Harris, Marilyn R., (CPT) (M85) HSC, 127th  
ASB, CMR 477, Box 83, APO AE 09165. S:  
Jeffrey. Rtg: AA. RW Qual. Time: 450 Hrs.  
Past Chapter Officer.

Harris, Reginald L., (CW4) (M90) (Reg)  
5404 Sylvan Lane, Raleigh, NC 27613. Res:  
(919) 571-0704. Dy: Co F, 1/130 Avn,  
Salisbury, NC. Rtg: MAA IP. RW Qual.  
Time: 3,600/Cbt 845

Hart, Larry A., (MAJ) (M82) (Larry) 85  
Winthrop Road, Columbus, OH 43214-3630.  
Dy: (614) 492-3038. Res: (614) 262-8461.  
S: Mary Helen. Dy: XO, 3-137th Avn Bn.  
Rtg: SAA. RW Qual. Time: 1,500 Hrs. Past  
Chapter Officer.

Harton, James C., (SFC) (M95) (Bud) 210  
Locust Street, P.O. Box 115, Leland, IL  
60531. Dy: (312) 767-9265. Res: (815)  
495-9444. S: Mary. Dy: B Co, 1-106th Avn  
Hathaway, Kevin W., (MAJ) (M93) 109  
Stratford Lane, Enterprise, AL 36330. Dy:  
(334) 255-1960. Res: (334) 393-2609. S:  
Laura. Dy: Chief, New Systems Branch,  
USAAYNC. Rtg: MTP. RW Qual. FW Qual.  
Time: 1,500 Hrs. Past Chapter Officer.

\*Hauer, Claus, (MAJ) (M87) (Claus) 43 Hunt  
Street, Fort Leavenworth, KS 66027. Dy:  
(913) 758-3543. Res: (913) 651-4337. S:  
Donna. Dy: Instructor Leadership Division,  
Fort Leavenworth. Rtg: AA MTP. RW Qual.  
Time: 2,500 Hrs./Cbt 70 AM/2.

Haug, Beverly M., (CW3) (M83) 4718 Nara  
Vista Way, No. 102, Las Vegas, NV 89103.  
Dy: (800) 708-3093. Res: (702) 362-3210.  
Dy: Forester Pilot, Calif Dept of Forestry,  
Mendocino, CA. Rtg: AA. RW Qual. Time:  
4,800 Hrs. Past Chapter Officer.

Hausler, Robert B., (CW2) (M95) (Blake)  
P.O. Box 302, Bogart, GA 30622. Dy: (404)  
669-0619. Res: (770) 637-8252. Dy:  
GAARNG AASF #1, Winder, GA. RW Qual.  
Time: 600.

Healey, John C., (CW3) (M92) 35 Scenic  
Road, Westfield, MA 01085. Dy: (413)  
744-2878. Res: (413) 562-8787. S: Tina.  
Dy: D Co, 1/126th, Westover ARB, MA.  
MAARNG. Rtg: IFE. SIP. RW Qual. FW  
Qual. Time: 7,285 Hrs. Life Member. Vp,  
Programs, Minuteman Chapter. Past  
Chapter Officer.

Heffeman, Fred A., (SFC) (M94) Box 5734,  
Fort Richardson, AK 99505-0734. Dy: (907)  
428-0819. Res: (907) 272-2555. S: Gina.  
Dy: AK Regional Trng Institute.

Hegland, Robert D., (2LT) (M96) CMR 6,  
Box 3030, Fort Rucker, AL 36382. Res:  
(334) 503-9377. S: Lisa. Dy: D Co, 1-145th  
Avn. FW Qual.

Heilig, D. Mark, (CPT) (M88) 792 Flying  
Hills Lane, Thousand Oaks, CA 91360. Res:  
(805) 492-7811. S: Molly. Dy: IRR. Rtg: AA.  
RW Qual. FW Qual. Time: 2,260 Hrs.

\*Helleman, Brenda M., (CW2) (M89) (Brenda)  
6688 Pacific Avenue, Fayetteville, NC  
28314. Dy: (910) 432-3555. Dy: Bn  
Aviation Safety Officer, Airborne Div., RW  
Qual. Time: 1,400 Hrs./Cbt 150 AM/1. Past  
Chapter Officer. Bronze St. Michael.

Helwig, Edward R., (CW2) (M91) 4461  
Bimini Drive, Gahanna, OH 43230-5120.  
Dy: (614) 497-8200. Res: (714) 478-4907.  
S: Angie J. Dy: UH-1 Pilot, Rickenbacker  
ANGB, Rickenbacker, OH. RW Qual. Time:  
750 Hrs.

Hendrick, Forest B., (MAJ) (M90) 6725  
Riley Road, Warrenton, WA 20187. Res:  
(540) 347-6082. S: Brenda. Dy: Quantic  
USMC CSC, Quantico, VA. Rtg: SAA MTP.  
RW Qual. Time: 1,485 Hrs./Cbt 12

Hendrix, Michael D., (CPT) (M93) 160  
Sherwood Drive, Monaca, PA 15061. Dy:  
(412) 223-4574. Res: (412) 728-1020. Dy:  
Pilot, USA, B Co Cdr, 1-104 Avn Bn,  
Washington, DC. Rtg: MAA. RW Qual. FW  
Qual. Time: 10,000 Hrs.

Hengeveld, Cecil B., (COL) (M81) 16  
Armore Drive, Hummelstown, PA 17036.  
Dy: (717) 865-8924. Res: (717) 566-8910.  
S: Peggy. Dy: EAATS, IGMR, Anville, PA.  
Rtg: MAA IP IFE. RW/FW Qual. Time:  
7,150 Hrs./Cbt 960 AM/2.

Herbert, Robert T., (MAJ) (M96) 20000 Army  
Aviation Drive, Reno, NV 89506-1200. Dy:  
(702) 972-2701. Res: (702) 345-0705. S:  
Kerrie. Dy: Director of Avn & Safety for  
Nevada. Rtg: IFE IP MTP. RW Qual. FW  
Qual. Time: 6,800 Hrs.

Herd, Mark E., (CW2) (M88) 1443 East  
Sunnyslope Lane, Phoenix, AZ 85020. Dy:  
(602) 678-7093. Res: (602) 678-4584. S:  
Valerie. Rtg: IP MTP. RW Qual. Time:  
1,300 Hrs. Life Member.

Herder, Melinda L., (SSG) (M95) 3723  
Donnell Drive, No. 103, Forestville, MD  
20747. Dy: (703) 806-7091. Res: (301)  
967-6538. Rtg: Aircraft Electrician.

Hernandez, Gerardo, (SPC) (M96) (Manny)  
3528 W. Belden, Chicago, IL 60647. Dy:  
(708) 291-3900. Res: (312) 891-6575.

Hernandez, Thomas L., (1LT) (M94) (Tom)  
7303 W. Kenmore Drive, No. 11, Norfolk,  
VA 23505. Res: (804) 583-0360. RW Qual.  
Time: 325 Hrs.

Hersey, Lewis M., (CPT) (M95) (Martin)  
4509 Blueberry Woods Cr N, Jacksonville,  
FL 32258. Dy: (904) 641-8875. Res: (904)  
260-8473. S: Linda. Dy: S-1, HHC, 1/111th  
Avn Rgt, Jacksonville, FL. RW Qual. Time:  
1,500 Hrs.

Hess, Gerald L., (CW5) (M82) (Gerry) 2440  
East Bayberry Drive, Harrisburg, PA 17112.  
Dy: (717) 861-8882. Res: (717) 657-3595.  
S: Sheryl. Dy: EAATS, FTIG, ASO. Rtg:  
MAA SIP IFE. RW Qual. Time: 4,700  
Hrs./Cbt 400 DFC, AM/16.

\*Hesson, James M., Jr., (LTC) (M79) (Jim)  
910 Derbyshire Drive, Dothan, AL  
36303-1940. Dy: (334) 255-8116. Res:  
(334) 793-5649. S: Debbie. Dy:  
USAR-IMA/USAATTC (GS-13), Fort  
Rucker, AL. Rtg: MAA TP MTP XP. RW  
Qual. FW Qual. Time: 3,800 Hrs. Life  
Member.

Heuer, Craig A., (CW4) (M90) 2806  
Manchester Street, Bismarck, ND  
58504-7623. Dy: (701) 224-5278. S: Amy.  
Dy: Det 42, OSA Cmbd, Bismarck, ND. Rtg:  
MAA IFE SIP. RW Qual. FW Qual. Time:  
5,500 Hrs.

Hicks, Donald W., (CW3) (M90) 1417  
Pinegrove Lane, Chesapeake, VA 23321.  
Dy: (800) 643-7458. Res: (804) 488-2341.  
S: Colleen. Dy: Avn. Safety Officer, B Co,  
224 Avn Bn, VAARNG, Sandston, VA. Rtg:  
SAA. RW Qual. Time: 5,110 Hrs.

Hill, Delbert L., (CW5) (M92) 12225 Arabian  
Place, Woodbridge, VA 22192-6226. Dy:  
(703) 607-7755. Res: (703) 590-5330. S:  
Joyce. Dy: Avn Logistics Ofcr, NGB-AVN-A,  
ARNGR, Arlington, VA.

Hill, Michael D., (CPT) (M95) 3037 Lindsay  
Drive, Garner, NC 27529. Dy: (919)  
664-7613. Res: (919) 553-2760. S: Rhonda.  
Dy: Company Commander, C Co, 1-130th  
ATKHB, Morrisville, NC. Rtg: MTP. RW  
Qual. Time: 1,750 Hrs.



Hima, Michael D., (CPT) (M89) (Mike) 3505 Sherree Trail, Stone Mountain, GA 30087. S: Holly. Dy: 416h Medevac, GAARNG, Winder, GA. RW Qual. Time: 370 Hrs. Life Member.

Hobby, Jesse M., (CPT) (M85) (Jess) 164 Interchen Drive, Peachtree City, GA 30269. Dy: (404) 919-5287. Dy: Cdr. Co. H, 171 Avn (TA), Dobbins AFB, GA. Rig: SAA. RW Qual. FW Qual. Time: 6,000 Hrs.

Hofstrand, Damon K., (CW2) (M90) 3166 Otter Lane, Springfield, IL 62707. Dy: (217) 525-4215. Res: (217) 529-0710. S: Erin. Dy: A-1 106th Avn, ILARNG, Decatur, IL. Rig: AA-MTP. RW Qual. Time: 400 Hrs.

Holden, James D., (COL) (M95) (Jim) 9203 Avalon Drive, Richmond, VA 23229. Dy: (804) 775-9140. Res: (804) 741-2418. S: Betsy. Dy: Chief of Staff, Richmond, VA. Rig: MAA IFE SIP. RW Qual. FW Qual. Time: 8,000 Hrs./Cbt 1,042 DFC1, AM/43. President. Stonewall Jackson Chapter.

Holland, John C., (LTC) (M87) 1419 Blackhawk Trail, E. Jacksonville, FL 32225. Dy: (904) 823-0475. S: Betty. Dy: State Aviation Management - Control Authority. USATACOM, AMSTA-IM-OET, Warren, MI. Rig: SAA TP. RW Qual. Time: 1,400 Hrs. Life Member.

Holmstrom, Robert O., (MAJ) (M96) (Bob) 108 Willow Avenue, Laurium, MI 49913. S: Debbie. Dy: Avn Div OIC, 19th CMMC, Arden Hills, MN. RW Qual. Time: 650 Hrs.

Homeier, Charles H., (CW4) (M93) 508 Morris Avenue, Boonton, NJ 07005-1320. Dy: (609) 530-5914. Res: (201) 283-7953. S: Marty. Dy: Det 1, 1159th Medical Co (AA), Trenton-Mercer Airport, W. Trenton NJ. Rig: SIP. RW Qual. FW Qual. Time: 8,000 Hrs./Cbt 1,100 AM/32.

Hope, Stephen D., (CW4) (M96) 69 Dauntion Drive, Rochester, NY 14624. Dy: (716) 783-5406. Res: (716) 247-7218. S: Susan. Dy: AGR AASF, 4 NYARNG Instructor Pilot. Rig: MAA IFE MTP. RW Qual. Time: 3,600/Cbt 850

Hopper, Gary B., (MAJ) (M81) 6012E Rock Cliff Lane, Alexandria, VA 22315. Dy: (703) 415-0344. Res: (703) 660-9170. Dy: Office of Chief Army Reserve, Pentagon. Rig: SAA. Time: 1,200 Hrs.

Hopper, Timothy A., (CW2) (M93) (Tim) 151 East Cornher Avenue, Salisbury, NC 28144. Dy: (704) 359-5886. Res: (704) 633-1636. Dy: Admin./Training Officer, Salisbury, NC. Rig: IP. RW Qual. Time: 1,600 Hrs.

Hotin, Arthur J., (SFC) (M96) (A.J.) 28 Barrington Road, Longmeadow, MA 01106-3002. Dy: (413) 557-3237. Res: (413) 567-6953. S: Julie. Dy: Plt Sgt. Secretary, Minuteman Chapter.

Huebner, Stephen J., (MAJ) (M96) (Steve) 3979 Quilling Road, Winston-Salem, NC 27104-1505. Dy: (910) 716-4855. Res: (910) 788-9919. S: Diane. Dy: The North Carolina Baptist Hospitals, Inc.

Hunt, Michael J., (CW3) (M90) 634 Manning Drive, Coppas Cove, TX 76522. Dy: (817) 288-1898. Res: (817) 518-2518. S: Donna. Dy: D Co, 1/228 Avn Regt, Fort Hood, TX. Rig: MTP. RW Qual. FW Qual. Time: 1,150 Hrs.

Ingalsbe, Peter V., (LTC) (M93) 1500 East Henrietta Road, Rochester, NY 14623-3181. Dy: (716) 424-2165. Res: (315) 986-3136. S: Cindy. Dy: HVY, Mobile Equip Foreman, CSMS-C NYARNG.

Inwin, Frank M., (2LT) (M91) 7540 Fairhaven, Hanover Park, IL 60103. Dy: (847) 266-3443. Res: (630) 483-1075. S: Carolyn. Dy: HHC, 244th Avn Bde, XO, Fort Sheridan, IL. RW Qual. Time: 250 Hrs.

Ivers, Edward C., (CW4) (M92) (Ed) 4 Weifeld Road, Forestdale, MA

02644-1601. Dy: (508) 968-5291. Res: (508) 539-3138. S: Nicole. Rig: MAA IFE SIP, RW/FW Qual. Time: 4,000 Hrs.

Ivey, Mark J., (MAJ) (M94) 17535 Beech Hill Drive, Grand Haven, MI 49417. Res: (616) 847-8567. S: Susan. Dy: Flight Surgeon, 2/238 MIARNG, HHC, Det 6, STARC. RW Qual. Time: 300 Hrs.

Jackson, Andrew L., (1SG) (M94) (Andy) 107 Honeysuckle Lane, Cary, NC 27513-4922. Dy: (919) 654-7532. Res: (919) 467-8533. S: Kaye. Dy: Army Avn Support Facility #1, NCARNG, Treasurer, Tarnet Chapter.

\*Jackson, William J., (MAJ) (M83) (Jay) 43521 Charlemagne Avenue, Sterling Heights, MI 48314. Dy: (810) 574-5989. Res: (810) 728-5472. S: Doris. Dy: Management - Control Authority, USATACOM, AMSTA-IM-OET, Warren, MI. Rig: SAA TP. RW Qual. Time: 1,400 Hrs. Life Member.

\*Jacobson, James L., (CPT) (M91) (Jake) 3014 Tallowood Drive, Marietta, GA 30064-5114. Dy: (404) 869-1645. Res: (404) 795-9740. S: Kathy. RW Qual. Time: 900 Hrs./Cbt 30 AM/1.

Jacobs, Ronald C., (SGT) (M95) 201 Robert Street, East Peoria, IL 61611. Dy: (309) 694-1900. Res: (309) 694-3983. S: Brenda Lou. Dy: Illinois Army National Guard.

Jansen, Leonard (MAJ) (M96) (Lonnie) RR 1, Box 203A, Mason, IL 62443. Res: (618) 238-4771. S: Pat. Dy: Cdr. Co. F, 106 Avn, Peoria, IL. Rig: MTP. RW Qual.

Jennings, Philip W., (CW2) (M89) (Phil) 117 Dayton Row, Madison, WI 53703-4604. Dy: (608) 849-4181. Res: (608) 255-3636. Dy: Company A, 1/147th CAB, Rig: AA. RW Qual. FW Qual. Time: 1,400 Hrs.

Johns, William A., (CW4) (M95) (Al) 52 Walnut Avenue, Wheeling, WV 26003. Dy: (412) 223-4580. Res: (304) 233-4847. S: Andrea. Dy: Flight Instructor, AASF 2, Washington, PA. Rig: SIP MTP. RW Qual. FW Qual.

Johnson, Mark W., (1LT) (M92) (Spike) P.O. Box 204, Gulfport, MS 39502-0204. Dy: (601) 867-2352. Res: (601) 865-0056. S: Tanisha. Dy: Det 1, 1/185th Avn, XO, RFWFW Qual. Time: 500 Hrs.

Jones, David A., (CPT) (M96) 16007 Penwood Drive, Tampa, FL 33647-1138. Dy: (941) 648-3222. Res: (813) 972-0280. S: Colleen. Dy: Cdr. D Co, 1-171st CSAB, AASF #2, Lakeland, FL. Rig: MTP. RW Qual.

Jones, Jeff, (MAJ) (M93) (JJ) 8906 S. Canton Avenue, Tulsa, OK 74137. Dy: (918) 292-2105. Res: (918) 495-0789. Dy: Operations, Oklahoma City, OK. Rig: SAA MTP. RW Qual. FW Qual. Time: 2,000 Hrs.

Jones, Julie R., (SGT) (M96) (Juice) 318 N. Army Drive, Peoria, IL 61604. Dy: (309) 697-7901. Res: (309) 697-2794. S: James H. Dy: HHC, 1/106th Avn Bn, Peoria, IL.

Jones, Wesley A., (CW3) (M94) P.O. Box 502, Noble, OK 73068-0502. Dy: (405) 527-5001. Res: (405) 872-5856. Dy: Helicopter IP, Lexington, OK.

Joyce, Stephen E., (MAJ) (M85) (John) 425 Underwood Road, Jefferson, GA 30549. Dy: (770) 866-4109. Res: (706) 367-2152. Dy: AASF Cdr. Rig: AA SP ME. RW Qual. Time: 1,650 Hrs. Life Member. Past Chapter Officer.

Juarez, Bernard A., (SP4) (M95) (Allen) 793 North 14th Street, San Jose, CA 95112. Dy: (209) 883-5321. Res: (408) 294-8344. Dy: G Co, 140th Avn, Stockton, CA.

Kadavy, Robert J., (2LT) (M96) 5527 South 31st Street, No. 12, Lincoln, NE 68516.

Res: (402) 423-6998. Dy: Platoon Leader, 1-187 Cavalry Squadron, Lincoln, NE. Rig: MTP. RW Qual. Time: 800 Hrs.

Kaminura, Dennis A., (COL(P)) (M81) 836 16th Avenue, Honolulu, HI 96816-4124. Dy: (808) 532-7793. Res: (808) 732-7547. S: Diane. Dy: Deputy Commander, HQ STARC, Honolulu, HI. Rig: MAA IP. RW Qual. Time: 4,000 Hrs./Cbt 400 AM/15. Life Member.

Kampf, III, Nicholas M., (1SG) (M93) (Nick) 5524 Brice Bourne Drive, Richboro, PA 18954-1417. Dy: (609) 530-4751. Res: (215) 364-7345. S: Meg. Dy: Program Analyst, State Army Aviation Officer, West Trenton, NJ.

Kapugia, Thomas L., (CW5) (M90) 58 Belmont Blvd. Orange Park, FL 32073. Dy: (904) 273-0480. Res: (904) 272-3565. Dy: C-12 Pilot, FLARNG.

Keane, Brian C., (1LT) (M96) 420 Red Sail Way, Satellite Beach, FL 32937. Res: (407) 777-6321. Dy: Co. C, 1/111th Aik Hel Regt, Aik Hel Plt Ldr, Craig Field. RW Qual. Time: 600.

Keenan, Kevin B., (MAJ) (M89) 3333 Brooks Lane, Valley Springs, CA 95252-9242. Dy: (209) 983-5328. Res: (209) 772-0688. S: Carolyn. Dy: Commander, Co G, 140 Avn Regiment (CH-47), Stockton, CA. Rig: SAA MTP. RW Qual. Time: 2,700 Hrs. 94 ARNG Unit Of Yr.

Kelley, Michael S., (CW2) (M91) P.O. Box 363, Fort Campbell, KY 42233. Dy: (502) 798-2626. Res: (615) 431-5924. S: Louise. Dy: C/7-101 Avn Regt, Fort Campbell, KY. RW Qual. Time: 725 Hrs. AM/1. Life Member.

Kelly, Clarence S., (MAJ) (M83) 227 Cloverdale Street, Pearl, MS 39028. Dy: (601) 484-9506. Res: (601) 939-9256. Dy: Cdr. G Company, 185th Avn, Meridian, MS. Rig: MAA MTP. RW Qual. Time: 2,500 Hrs.

Kelly, Timothy C., (MAJ) (M91) (Tim) 17 S.E. Kirk Avenue, Pendleton, OR 97801-4520. Dy: (503) 276-4544. Res: (503) 278-4853. S: Janet. Dy: Facility Commander, Army Aviation Support Facility, ORNG. Rig: IFE SIP. RW Qual. Time: 8,100 Hrs./Cbt 1,400 AM/31.

Kemp, Gary R., (1SG) (M82) 4603 Brookview Drive, Hempstead, MD 21074. Dy: (410) 671-3395. Res: (410) 374-6096. S: Ruth. Dy: Avn Maintenance, Mobilization AVRACD Control Element.

Kennard, Kurt A., (MAJ) (M94) 610 W. Melbourne Avenue, Peoria, IL 61604-2846. Dy: (309) 697-7906. Res: (309) 681-1907. S: Amy. Dy: Bn S-3/OIC HQ 1-108th Avn, Rig: SAA MTP. RW Qual. Time: 1,100 Hrs. Vp, Membership Enrollment, Land Of Lincoln Chapter.

Kenney, Joseph R., (SFC) (M94) (Joe) 4107 Hispanola Court, Louisville, KY 40229. Dy: (502) 824-7544. Res: (502) 968-7985. S: Karen. Dy: Armament Plt Sgt, D Co, 8/229th Avn Regt (Aik), Senior Vice President, Flying Tigers Chapter.

\*King, Michael S., (SGT) (M95) (Mike) 5433 Loop 205, Apt. 113, Temple, TX 76752-4006. Dy: (817) 287-8786. S: Jennifer. Dy: Dyncorp, ATCOM Project OLR.

\*Kistner, Michael E., (LTC) (M93) (Mike) SFTS Box 475, Unit 15238 K-16, APO AP 96205-0011. S: Genevieve. Dy: Eighth US Army, G-3, SFTS Helicopter Flight Inst, K-16, Seoul Korea. Rig: MAA IP, RW/FW Qual. Time: 7,200 Hrs./Cbt 1,000 AM/39. Life Member.

Kita, Gary M., (CW2) (M93) 14217 MacArthur Drive, N. Little Rock, AR 72118.



Dy: (501) 212-5142. Res: (501) 851-4775. S: Jayne. Dy: A Co, 1-114th Avn, Camp Robinson. RW Qual. Time: 405 Hrs.

**Klein, David S.**, (MAJ) (M92) (Dave) 24 Estes Road, Hanover, MA 02338-1803. Dy: (508) 233-5768. Res: (617) 871-5171. S: Susan. Dy: HRO, Personnel Office, MA ARNG. Rtg: SAA. RW Qual. Time: 1,300 Hrs.

**Klein, Dennis**, (MAJ) (M88) (Denny) Honeywell, D4SD, 5201 San Mateo Blvd, NE, Albuquerque, NM 87113-2227. Dy: (505) 828-7666. Res: (505) 471-7030. S: Pamela. Dy: Program Manager, Cdr, 717th Med Co (AA), Santa Fe, NM. Rtg: IP. RW Qual. Time: 3,200 Hrs./Cbt 1,243

**Klein, Mark T.**, (SGT) (M95) 5650 S. Christiana, Chicago, IL 60629. Res: (312) 434-9814. Dy: Co B, 1/106th Avn Regt, AASB #2, Chicago, IL.

**Klein, Richard**, (WO1) (M95) 399 Sunny Brook Place, Mableton, GA 30059. Dy: (770) 612-7215. Res: (770) 739-4114. S: Vonda. Rtg: AA. RW Qual. Time: 800 Hrs.

**Kline, John A.**, (CSM) (M87) 464 Dry Run Road, Grantville, PA 17028. Dy: (717) 861-8595. Res: (717) 469-7489. S: Connie. Dy: CSM, PAARNG, Fort Ord Joint Training Gap, PA.

**Knigge, Michael K.**, (CW2) (M88) (Mike) 1316 E. 49th Street, Savannah, GA 31404. Dy: (912) 352-5381. Dy: A Co, 1-3 ABH, Hunter AAF, GA. Rtg: IP. RW Qual. Time: 1,300 Hrs./Cbt 16 AM/2, 1V.

**Kohout, Roger W.**, (1SG) (M93) (Rabbit) 5191 Dixon Drive, Raleigh, NC 27609-3639. Dy: (919) 664-7623. Res: (919) 783-6530. Dy: 15G, B Co 1-130 Avn Bn NCARNG, also IBM Corp/Sen Assoc Engineer, Life Member. Senior Vice President, Tarheel Chapter.

**Kollnik, Donald M.**, (COL) (M95) (Don) 220 Country Roads Circle, Stockbridge, GA 30281. Dy: (404) 669-7070. Res: (404) 474-6906. S: Mary.

**Koontz, Wade D.**, (CW2) (M87) 13670 SE 108th Court Road, Ocklawaha, FL 32179. S: Susan. Rtg: SAA. RW/FW Qual. Time: 3,500.

**Kramer, Celesta A.**, (MAJ) (M80) (Rusty) Rte 2, Box 244, Jockey Camp Road, West Union, WV 26456. Dy: (304) 473-5000. Res: (304) 873-3532. S: Kris. Dy: Supervisory Auditor, WVARNG, USSP/O, Buchavonon, WV. Rtg: SAA TP MTP. RW Qual. Time: 3,100 Hrs.

**Krell, Richard W.**, (CW2) (M93) (Rich) 9127 Oxford Avenue, Lubbock, TX 79423-3924. Dy: (405) 442-5162. S: Kendra. Dy: B Co, 2-52nd Avn, Unit 15212, APO AF, Korea. Rtg: IP. RW Qual. Time: 1,115 Hrs./Cbt 29 AM/1.

**Kress, Paul**, (MAJ) (M84) (Paul) 915 Monticello Street, Greensboro, NC 27410-3637. Dy: (910) 805-3197. Res: (910) 298-0337. S: Kathy. Dy: Commercial Loan Officer, Nations Bank. RW Qual. Time: 1,000 Hrs.

**Kromets, Jerry A.**, (CW4) (M94) (Kro) 100 Karen Drive, Ozark, AL 36380. Dy: (334) 255-5058. Res: (334) 74-5226. S: Lynne. Dy: Flight Instructor, D Co, 1-14th Avn. Rtg: MAA IE IP SP. RW Qual. Time: 5,500 Hrs./Cbt 887 AM/26.

**Krous, Michael D.**, (LTC) (M95) 1243 W. Ellis, Mesa, AZ 85201. Dy: (602) 351-5142. Res: (602) 964-6904. Dy: Senior Business Case Analyst, US West. RW Qual. Time: 2,100 Hrs./Cbt 200 AM/2.

**Krull, Bart J.**, (CW2) (M93) 300 Vine Street, Delanco, NJ 08075. Dy: (609) 530-4295. S: Patricia. Dy: RAID-W, Trenton, NJ.

Trenton-Mercer Airport. RW Qual. Time: 2,300.

**Kulick, Gregory G.**, (CW2) (M85) (Greg) 5726 Bayview Parkway, Churchton, MD 20733-9715. Dy: (410) 671-3068. Res: (303) 474-0046. S: Tammy. Dy: Pilot, MD RAID. Rtg: AA. RW Qual. Time: 2,000 Hrs.

**Kurelic, George S.**, (CW3) (M94) 7132 S. Harding, Chicago, IL 60629-4325. Dy: (312) 746-8289. Res: (312) 284-5540. S: Cynthia. Dy: Chicago Police Department, Rtg: MTP. RW Qual. FW Qual. Time: 3,000 Hrs.

**Kwan, Donald Y.**, (CPT) (M93) (Don) 6801 S. 44th Street, Phoenix, AZ 85040. Dy: (602) 267-2860. Res: (602) 431-1133. Dy: C Co, 1/189th CSAB, Phoenix, AZ. RW Qual. Time: 600 Hrs.

**Labrie, Joseph G.**, (COL) (M85) (Joel) 45 Woodland Avenue, Smithfield, RI 02917. Dy: (401) 457-4297. Res: (401) 231-8487. S: Ann. Dy: Director Aviation and Safety, RIARNG, Providence, RI. Rtg: AA IE SIP MAA. RW Qual. FW Qual. Time: 8,000 Hrs./Cbt 950 AM/22. Past Chapter Officer.

**LaChance, William L.**, (CW4) (M89) (Bill) 15711 Mesa Verde, Houston, TX 77059-6435. Dy: (713) 929-2705. Res: (713) 488-5587. S: Christina. Dy: Trng Off, IP, IFE, ASO, COA, 1/149th Avn Regt. Rtg: IFE IP. RW Qual. Time: 7,000 Hrs./Cbt 850 AM/19.

**Ladd, Charles B.**, (LTC) (M79) (Chuck) 4015 Appalachian Trail, Kingwood, TX 77345-1024. Dy: (409) 525-3399. Res: (713) 361-0365. S: Madeleine C. Dy: Cdr, 7th Squadron, 6th Cavalry Regt, Conroe, TX. RW Qual. Time: 1,300 Hrs. President, Armadillo Chapter, Past Chapter Officer.

**Lamm, Mark D.**, (1SG) (M91) (Mad Dog) 3972 Lake Carlton Road, Loganville, GA 30249-2413. Dy: (770) 968-4112. Res: (770) 466-2458. S: Ok Pun. Dy: 15G, Co C, 1/171st CSAB, Winder, GA. Life Member.

**Lancaster, Alan R.**, (LTC) (M89) (Al) 1 Lawncrest Road, Enfield, CT 06082. Dy: (860) 441-2918. Res: (860) 745-9457. S: Denise. Dy: XO, CT AVCRAD, Groton, CT. Rtg: MAA IFE SIP MTP. RW/FW Qual. Time: 5,000 Hrs.

**Lane, Frederick A.**, (CSM) (M94) 947 E. Madison St, Morton, IL 61550-2303. Dy: (309) 697-7962. Res: (309) 266-9209. S: Janet. Dy: HQ, 33rd Inf Bde (SEP), Chicago, IL. 93 Arg Unit Ofr.

**Lantier, Charles A.**, (SSG) (M05) (Chuck) 2629 Wagon Drive, Alexandria, VA 22303. Dy: (703) 806-7074. Res: (703) 329-9483. Dy: Flight Operations NCO, OSAC, Davison Army Airfield, VA.

**Larson, Erik P.**, (CPT) (M92) 132 Fair Oaks Drive, Fairfeld Bay, AR 72088-3922. S: Jennifer. Rtg: MTP. RW/FW Qual. Time: 1,900.

**Lasser, Thomas E.**, (LTC) (M66) (Tom) Los Alamitos AASF #1, 11200 Lexington Dr Bldg 913, Los Alamitos, CA 90720-5002. Dy: (310) 795-2001. Res: (310) 318-5364. S: Laura. Dy: Los Alamitos Army Airfield, CA (SLI). Rtg: MAA IP. RW Qual. Time: 6,000 Hrs./Cbt 1,715 DFC1, AM/35. Vp. Arng, Southern California Chapter, Past Chapter Officer.

**Latchford, Christopher**, (LTC) (M90) (Chris) 11 Grandview Drive, Duncannon, PA 17020-9708. Dy: (717) 861-8688. Res: (717) 834-4140. S: Lisa. Dy: EAATS, PAARNG, Chief Flight Training Division, Ft. Ord Joint Training Gap, PA. Rtg: MTP. RW/FW Qual. Time: 2,350 Hrs.

**Laudenslager, Scott R.**, (SGT) (M96) (Groovy) 910 Edison Avenue, Apt. B, Sunbury, PA 17801. Res: (717) 286-4972.

S: Michelle. Dy: 67R67Y Apache Maint Tech, 1-104 Cav Regt, D Troop.

**LaVake, Morgan R.**, (2LT) (M95) Box 581, Edwards, CA 93523. Dy: (805) 275-9074. Res: (805) 256-1451. Dy: 2-140 Avn Bn, Los Alamitos, CA. RW Qual. Time: 480 Hrs.

**Laverdiere, David A.**, (CPT) (M77) (Dave) 2205 Dalestorf, Troy, MI 48098. Dy: (810) 799-9021. Res: (810) 628-9899. S: Grace. Dy: 8064th Garrison Support Unit, Southfield, MI. Rtg: MAA IP. RW/FW Qual. Time: 2,000. Life Member.

**Lex, Thomas J.**, (CPT) (M88) (Jeff) 212 Greenleaf Park, Charlottesville, VA 22901. Dy: (804) 978-3898. S: Anne Marie. Dy: Student, Graduate Business School, Univ. of Virginia (Darden). Rtg: AA. RW Qual. Time: 800 Hrs./Cbt 60 AM/1.

**Leary, Jr., Daniel F.**, (CW2) (M92) (Dan) 4 Saxon Pond Road, Plymouth, MA 02360-1805. Dy: (508) 968-5184. S: Marjorie. Dy: 1049 Med Co (AA), Camp Edwards, MA. Rtg: AA. RW Qual. Time: 1,050 Hrs.

**Lee, Alan R.**, (SSG) (M92) (Al) 17 Beaver Lane, Grand Island, NY 14072-2908. Dy: (716) 891-6181. Res: (716) 773-4380. S: Joyce. Dy: Police Officer, Consol. Rail Corp.

**Lee, David H.**, (CW4) (M92) 562 South Deerfield Drive, Canton, MS 39046. Dy: (601) 354-7541. Res: (601) 856-2298. S: Debbie. Dy: Det 160SAC, MSARNG, Jackson, MS. Rtg: MAA MTP IFE SIP. RW/FW Qual. Time: 13,000 Hrs.

**Lee, James R.**, (1LT) (M95) 1923 Quail Valley East Dr, Missouri City, TX 77459. Res: (713) 438-9493. S: Alyson. Dy: Ramp Agent, Southwest Airlines.

**Lee, James M.**, (CW3) (M75) (Jim) 9853 Jefferson Highway, Apt F23, Baton Rouge, LA 70809. Dy: (504) 388-2736. Res: (504) 291-6310. Dy: B Co, 1-244th Avn. Research Assoc, Coastal Ecology Inst., LSU. Rtg: MAA. RW Qual. Time: 2,750 Hrs.

**Leger, David A.**, (CPT) (M93) 2430 Applewood Lane, Salina, KS 67401-3710. Dy: (913) 827-9025. Res: (913) 825-5152. S: Sally Anne. Dy: S-4, 1-108th Avn, Topeka, KS. Rtg: MAA MTP ME. RW Qual. Time: 3,000 Hrs.

**Lemens, Joseph L.**, (CW2) (M95) (Joe) 349 W. Willow Street, Lombard, IL 60148. Dy: (708) 654-7410. Res: (708) 268-0754. S: Kathy. Dy: B Co, 1/106th Avn. Regt, MDW, Chicago, IL. Rtg: MAA. RW/FW Qual. Time: 1,100 Hrs.

**Letts, Clifford E.**, (COL) (M67) (Cliff) 459 Dunmore Drive, Newport News, VA 23602. Dy: (757) 878-4632. Res: (757) 874-0726. S: Mike. Rtg: SAA. RW Qual. RW Qual. Life Member. Member-at-large, Colonial Virginia Chapter, Past Chapter Officer.

**Lindell, William B.**, (CW2) (M96) P.O. Box 278, Campbellsville, KY 40011. Dy: (502) 863-7841. Res: (502) 832-6680. S: Karen.

**Linscott, Jeffrey R.**, (CPT) (M95) 1224 SE Chapman Avenue, Troutdale, OR 97060. Dy: (503) 866-2505. Res: (503) 667-5300. S: Diane. Dy: Operations Officer, 1042nd Med Co (AA), Salem, OR. Rtg: CFI ME. RW/FW Qual. Time: 3,000 Hrs. Vp. Publicity, Oregon Trail Chapter.

**Lipski, John A.**, (CW4) (M96) P.O. Box 297, Webster, MA 01570. Dy: (401) 621-5416. Res: (508) 949-0962. Dy: RIARNG. Rtg: MTP. RW Qual. Time: 3,000/Cbt 1,200 DFC2, AM/29.

**Livatto, Michael J.**, (1LT) (M92) (Levi) 106 Harrand Creek Road, Enterprise, AL 36330. Dy: (334) 255-8098. Res: (334) 308-3422. S: Anna. Dy: C-12R Platoon Leader, A Co,

155th Avn Regt, Cairns SP, Rtg: AA, RW/FW Qual. Time: 1,350 Hrs.

Lepus, Joseph A., (CW4) (M94) (Joe) 10 Marion Drive, Coventry, RI 02816-6432. Dy: (401) 267-3055. Res: (401) 823-4939. S: Karen. Dy: Maint Officer, Army Guard, Rtg: MTP. RW Qual. FW Qual. Time: 11,000 Hrs.

"Lopollito, Vincent K., (MAJ) (M85) (Vince) 1109 Clovelly Court, Lexington, KY 40507-3042. S: Donna. Rtg: SAA MTP. RW Qual. Time: 1,100 Hrs. Life Member.

Lord, Dennis J., (COL) (M67) (Denny) 15700 Logarto Lane, Burnsville, MN 55337. Dy: (612) 282-4665. S: Karen. Dy: MN Army NG, Chief of Staff MNARNG. Rtg: MAA IFE SIP. RW Qual. FW Qual. Time: 11,000 Hrs./Cbt 1,100 DFC/J, AM/28. Past Chapter Officer.

"Losey, Michael W., (SGM) (M89) (Mike) 94-370 Hokuahahi Street, Mililani, HI 96769-1927. Dy: (808) 438-7552. Res: (808) 623-1046. S: Judith. Dy: PALCOM, Ft Shafter, HI.

Lynch, James G., (MAJ) (M85) 3773 Hatten Lane, Woodbridge, VA 22193. Dy: (703) 806-7587. S: Tammy. Dy: OSACOM, Fort Belvoir, VA. RW Qual. Time: 1,100 Hrs. Vp, Programs, Washington DC Chapter.

Mabey, Robert D., (COL) (M86) 556 Indian Springs Road, Bountiful, UT 84010. Dy: (801) 578-3309. Res: (801) 292-3108. S: Pat. Dy: Director of Avn & Safety, UTARNG. Rtg: MAA. RW Qual. FW Qual. Time: 8,500 Hrs./Cbt 1,053 DFC/J, AM/53. Life Member.

Machina, Cheryl M., (LTC) (M96) 413 Windemere Drive, Sherman, IL 62684. Dy: (217) 785-3771. Res: (217) 496-3486. S: David. Dy: Inspector General, Illinois National Guard, Springfield, IL.

"MacKinnon, 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 IP. RW Qual. Time: 2,000 Hrs.

MacIver, Scott M., (1LT) (M95) (Mac) P.O. Box 1151, Fairplay, CO 80440-1151. Res: (719) 836-3478. Dy: Plt Ldr. RW Qual. Time: 230.

MacIver, David C., (LTC) (M86) (Dave) 413 Windemere Sherman, IL 62684. Dy: (309) 697-7900. Res: (217) 496-3486. S: Cheryl. Dy: Bn Cdr, 1-106th Aviation Battalion, RW Qual. Time: 525 Hrs. Life Member. President, Land Of Lincoln Chapter.

Mac Vay, James W., (MG) (M82) (Jim) Quarters 1, Box 7362, Grantville, PA 17028. Dy: (717) 861-8500. Dy: Adjutant General PANG.

Maier, John J., (MAJ) (M92) (Jack) 46491 Caplewood Court, Sterling, VA 20165-7321. Dy: (703) 614-7005. Res: (703) 404-0710. S: Aniko. Dy: 29 ATS GPLNO, APG, MD, Dep Div Chief, J61, Joint Staff, Pentagon. Rtg: MAA. RW Qual. FW Qual. Time: 1,400 Hrs.

Mahoney, Steven M., (MAJ) (M94) 128 East Ellington Drive, Peoria, IL 61603. Dy: (309) 675-5823. Res: (309) 686-6693. S: Yanny. Dy: Company Commander, RW Qual. Time: 1,400.

Maloney, Kevin M., (CW3) (M92) 108 Westborough Street, Worcester, MA 01604. Dy: (413) 557-3254. Res: (508) 757-7255. Dy: Pilot, D Company, 1/126 LH, RW/FW Qual. Time: 6,100 Hrs.

"Maloy, Curtis J., (CPT) (M91) (Curt) Route 8, Box 229, Ozark, AL 36360. Dy: (502) 624-6644. Res: (334) 774-8488. S: Denise. Dy: Company Commander, D Co, 8-229th

Avn (Alk), Fort Knox, KY, Rtg: SAA MTP. RW Qual. FW Qual. Time: 1,100 Hrs./Cbt 40

Matlby, Randolph R., (CW4) (M96) (Squire) 2938 Marshall, Ann Arbor, MI 48108. Res: (313) 973-7506. S: Susan. Rtg: MAA IP. RW Qual. Time: 3,000 Hrs./Cbt 800 DFC/2, AM/29.

Maluccio, Mark N., (1LT) (M94) (Vato) P.O. Box 620721, Fort Rucker, AL 36362-0721. Res: (334) 393-1536. Dy: Student Pilot, D Co, 1/145th Avn. Time: 47 Hrs.

"Maney, Matthew S., (MAJ) (M96) (Matt) 48 Raleigh Road, Newport News, VA 23601-4206. Dy: (757) 878-2412. Res: (757) 599-0121. S: Mary. Dy: Commander, Co B, 5th Bn, 159th Avn Regt (CH-47D), Fort Eustis, VA. RW Qual. Time: 2,000 Hrs.

"Martin, Anthony E., (MAJ) (M95) (Ness) CGM 451, Box 55, APO AE 09708. S: Elaine. Dy: Physician.

Martin, Dow O., (2LT) (M96) 105 Foxhill Drive, Enterprise, AL 36330. Dy: (334) 255-9090. Res: (334) 393-9889. S: P. Gayle. Dy: Flight Student, 1-145th, Fort Rucker, AL. Time: 64 Hrs.

Martin, Jason H., (LTC) (M91) (Jay) 105 Whispering Pines Loop, Leesville, LA 71448. Dy: (334) 255-2390. Res: (318) 239-4235. S: Kathaline. Dy: USAR Advisor's Office, Fort Polk, LA. Rtg: MAA IP. RW Qual. Time: 2,800 Hrs. Bronze St Michael.

"Martin, Phillip S., (CPT) (M88) (Phil) 2411 Alice Lane, Decatur, IL 62521. Dy: (847) 266-7114. Res: (217) 423-7411. Dy: 244th Theater Avn Grp Fort Sheridan, IL. RW Qual. FW Qual. Time: 2,200 Hrs. Life Member. Vp, Membership Enrollment, Greater Chicago Area Chap. Past Chapter Officer.

Marty, Wayne D., (BG) (M86) 295 Camp Mabry, Austin, TX 78703-1223. Dy: (512) 465-5509. Res: (512) 465-5174. S: Janie. Dy: Asst. Adjutant General, Army, Texas National Guard. Rtg: Avn IP. RW Qual. Time: 2,750 Hrs./Cbt 508 AM/28. Past Chapter Officer.

Mason, Dawayne H., (CPT) (M83) (Skip) 272 Carrige Drive, Nashville, TN 37221. Dy: (615) 355-7788. Res: (615) 640-7732. S: Sandra A. Dy: Cdr, RAID (Reconnaissance & Interdiction Detachment), Smyrna, TN. Rtg: SAA. RW Qual. Time: 3,000 Hrs.

"Matia, Matthew C., (LTC) (M88) (Matt) 6320 Glenbard, Burke, VA 22015. Dy: (703) 648-6080. Res: (703) 569-8906. S: Tricia. Dy: Commander, 5-159 Avn. Rtg: MAA. RW Qual. Time: 2,000 Hrs./Cbt 12 Life Member.

Matthews, H. Ray, Jr., (MAJ) (M91) (Ray) 3810 South 7th St, Arlington, VA 22204-1520. Dy: (703) 607-9331. S: Lissa. Dy: Avn Operations Officer, NGB. RW Qual. Time: 1,100 Hrs. Past Chapter Officer.

Matzias, Lance, (SGT) (M96) (Bigelow) P.O. Box 902, Sandston, VA 23150. S: Kathy.

Maurais, Alton L., (CW4) (M94) (Al) 10 Laurel Avenue, Shrewsbury, MA 01545. Dy: (401) 628-2634. Res: (508) 852-2853. S: Christa. Dy: Pilot, A Co, 1/126 LH Avn, RIARNG, Quonset Point, RI. Rtg: SIP. RW Qual. FW Qual. Time: 10,300 Hrs./Cbt 440 AM/17.

May, Marshall N., (SGT) (M95) 4982 Happy Hollow Road, Atlanta, GA 30360-1668. Dy: (404) 671-2138. Res: (404) 449-9427. S: Patricia. Dy: American International Group Claims Services.

May, Wendell L., (CPT) (M84) 642 Maple Street, East Earl, PA 17519-9801. Dy: (717) 861-8858. Res: (717) 445-5921. S: Darla. Dy: Readiness Officer, Co F, 104th Avn,

28th ID, PAARNG. Rtg: SAA MTP. RW Qual. Time: 2,100 Hrs. Secretary, Indianapolis Gap Chapter.

"Maynard, Dana L., (WO1) (M95) 14341 Via Roca, Victorville, CA 92398. Dy: (619) 388-4300. Res: (619) 955-2955. S: Jonathan. RW Qual. FW Qual. Time: 450 Hrs.

McBride, Kevin R., (LTC) (M80) 35 Pond Street, Rehoboth, MA 02769-1725. Dy: (401) 861-2900. Res: (508) 252-6430. S: Colleen. Dy: Commander, 1/126th LU Hel Bn, Quonset Airport, N. Kingstown, RI. Rtg: SAA. RW Qual. Time: 1,500 Hrs.

McCabe, James D., (CW4) (M92) (Tiedown) 1252 Heather Lane, North Falmouth, MA 02556-2115. Dy: (508) 968-5291. Res: (508) 564-4061. S: Karen. Dy: Detachment CMD-Det 12 S. Rtg: IP MTP. RW Qual. FW Qual. Time: 3,500 Hrs.

McCIntock, Daniel M., (1LT) (M89) (Dan) 531 Elton Adolphia Road, Freehold, NJ 07728. Dy: (908) 532-0092. Res: (908) 780-5210. S: Marguerite. Dy: A Co, 1-150th Avn, West Trenton, NJ. RW Qual. Time: 750 Hrs. Life Member. Vp, Arng, Monmouth Chapter.

McDemott, Matthew A., (CPT) (M92) (Blowout) 25 Willow Tree Terrace, Covington, GA 30209-8693. Dy: (909) 963-5998. S: Monika. Dy: S-4, 1-16th Cav, 40th ID (M), CA ANG, Ontario, CA. RW Qual. Time: 400 Hrs.

McDuff, Kath A., (1LT) (M93) (Katie) 12109 S. Hagan Street, Olathe, KS 66062-6018. Dy: Maintenance Officer, 617th CSG, Belton, MO. RW Qual. Time: 230 Hrs.

McDonough, Joseph V., (CW5) (M90) (Joe) 123 Oak Square South, Lakeland, FL 33813. Dy: (813) 648-3223. Res: (813) 648-0042. S: Linda. Dy: IP/Safety Off, FLARNG, AASF 2d. Rtg: MAA IFE SIP IP MTP. RW Qual. FW Qual. Time: 5,800 Hrs./Cbt 926 DFC/J, AM/28.

McFarlin, William R., (LTC) (M87) (Rolly) 7117 W. Villa Chula, Glendale, AZ 85310. Dy: (602) 438-8950. Res: (602) 862-0656. S: Linda. Rtg: MAA. RW Qual. FW Qual. Time: 3,000 Hrs.

McGahan, Neil R., Jr., (CW3) (M85) (Ron) 517 Magnolia Bend, League City, TX 77573-4627. Dy: (713) 494-8111. Res: (713) 554-2811. S: Sonya. Dy: A Co, 1-149th Avn Regt, Ellington Field, Houston, TX. Rtg: SAA MTP. RW Qual. FW Qual. Time: 2,500 Hrs./Cbt 60 AM/2, 1V. Life Member.

McGarly, Alfred A., (CW4) (M94) (Al) 1209 Marlborough Circle, Charlotte, NC 28227. Dy: (704) 544-1881. Res: (704) 563-2582. S: Valerie. Dy: Sales Manager, Rogers American. RW Qual. FW Qual. Time: 2,500 Hrs.

McGe, Matthew B., (MAJ) (M83) (Matt) 150 Vicarage Court, Alpharetta, GA 30202. Dy: (404) 628-4974. Res: (770) 569-5822. S: Lynn. Dy: S-3, 1-171st CSAB, Rig. AA, RW Qual. Time: 1,500 Hrs./Cbt 150 AM/1.

"McKeever, Robert P., (LTC) (M89) (Bob) 1662 Park Terrace West, Atlantic Beach, FL 32233-5610. Dy: (904) 247-1972. Res: (904) 246-9108. S: Elise. Dy: S-1, 149th Aviation Group, Rtg: MAA, TP. RW Qual. FW Qual. Time: 3,000 Hrs. President, America's First Coast Chap. Past Chapter Officer.

McKenzie, Jamie F., (CW5) (M93) 106 Santsolina Park, Peachtree City, GA 30269. Dy: (404) 629-8677. Res: (404) 487-5823. S: Linda. Dy: SACR, Army, Ft. Belvoir, Atlanta, GA. Rtg: MAA IFE SIP IP. RW Qual. FW Qual. Time: 6,000 Hrs./Cbt 1,060 AM/43.



\*McKinley, James L. (CW4) (M86) (Jim) P.O. Box 293, Glen Spwy, NY 12737. Rtg: AA MAA IP MTP. RW Qual. FW Qual. Time: 8,500 Hrs./Cbt 800 AMV. Life Member.

McMillan, Cynthia M. (WO1) (M96) RR 2, Box 321, Malden, MO 63863. Res: (573) 276-3614. S. Jim. Dy: Rated Aviator. Rtg: AA. RW Qual. Time: 200 Hrs.

McNamara, Robert G. (LTC) (M87) RD 3, Box 253A, Susquehanna, PA 16847. Dy: (717) 853-4921. Res: (717) 758-2612. S. Carol. Dy: High School Principal. Rtg: SAA. RW Qual. Time: 1,400 Hrs.

McPherson, Kevin W. (CW3) (M91) 17 W Rainbow Way, Elizabethtown, KY 42701-6359. Dy: (502) 624-6240. Res: (502) 785-7722. S. Nita. Dy: Fort Knox RFC. Fort Knox, KY. Rtg: SAA IP IFE. RW/FW Qual. Time: 4,000 AMV.

\*McRae, Roy T. (CSM) (M94) 20027 S. Sycamore Drive, Frankfort, KY 40623-6384. Dy: (512) 509-6280. Res: (815) 469-1520. Dy: 244th Aviation Brigade (EAC), Fort Sheridan, IL.

McWhorter, Bruce K. (CW4) (M94) 6226 W. Shangi La Rd., Glendale, AZ 85304. Dy: (602) 267-2700. Res: (602) 469-8844. S. Natalie. Dy: SP/WAATS. Rtg: SIP. RW Qual. Time: 4,000.

Medigovich, Mitchell K. (CPT) (M93) (Mitch) 8178 L. Grange Court, Elk Grove, CA 95624. Dy: (209) 983-1461. Res: (916) 885-2416. S. Cathy. Dy: HQ, 3-140 Avn Bn, S-3, Stockton, CA. Rtg: SAA IP. RW Qual. Time: 1,300 Hrs.

Medley, Andrew D. (SGT) (M95) 3100 Pilots Ridge Court, Lithonia, GA 30058. Res: (770) 736-6025. Dy: Crew Chief, C Co, 1/171st CSAB.

Meinking, Craig W. (CPT) (M91) (Stealth) 2910 Bowen Road, Elma, NY 14059. Dy: (716) 834-9200. Res: (716) 652-6544. S. Cathy. Dy: Aero Medical Physician Assistant, Rochester, NY, 1-142 Avn. Time: 150 Hrs.

Melendez, William (CW2) (M91) (Bill) 11th St. No. 17, Ext. Villa Rica, Bayamon, PR 00959. Dy: (809) 722-3916. Res: (809) 788-4394. Dy: B Co, 1-192 Avn Bn, PR/ARNG. Rtg: AA. RW Qual. Time: 1,550 Hrs.

Melia, Garry R. (CPT) (M87) 650A Central Turnpike, Sutton, MA 01590-1103. Dy: (413) 557-3400. Res: (508) 865-6428. S. Peggy. Dy: D Co, 1-126th Aviation Commander, Westover AFB, Chicopee, MA. Rtg: AA. RW Qual. Time: 950 Hrs.

Mello, James A. (1SG) (M95) 21 Hezekiah Drive, Warren, RI 02885. Dy: (401) 267-3050. Res: (401) 245-1624. S. Janet. Dy: Electronics Mechanic Supervisor.

\*Mercadante, Vincent F. (MAJ) (M94) 15 Perry Drive, West Tinton, NJ 08628. Dy: (809) 989-2256. S. Rtg: SAA IP. USDOT, West Trenton, NJ. Rtg: SAA IP. RW Qual. Time: 3,000 Hrs.

Meslik, Jeffrey J. (1LT) (M91) (Scoop) 29 Tampa Avenue, Albany, NY 12203-2325. Res: (518) 438-7151. S. Nicole. Dy: Engineer - Pilot, C Co, 1/142 Avn. Bn. RW Qual. FW Qual. Time: 650 Hrs.

\*Messer, Nigel V. (CW4) (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, 7th Cav. Rtg: MTP. RW Qual. Life Member.

Meyers, David L. (CW2) (M94) (Rocky) 220 W. Claire, Lincoln, NE 68523. Dy: (402) 471-7451. Res: (402) 421-2787. S. Bonnie. Dy: IP/Safety NEARNG, Lincoln,

NE. Rtg: MAA SIP IFE MTP. RW/FW Qual. Time: 8,000 Hrs.

\*Mieczkowski, Ronald W. (MAJ) (M87) P.O. Box 856, College Park, MD 20740. Rtg: AA.

\*Mignone, Michael (CPT) (M89) (Mike) 65 Sherri Drive, Chalfont, PA 18914. Dy: (215) 257-5011. Res: (215) 822-9398. S. Donna. Dy: School Teacher, A Co, 2/228th Regt, Army Reserve. RW Qual. FW Qual.

Mikkelsen, Leif A. (CW2) (M89) 1805 Blue Ridge Trail, Waunakee, WI 53597. Dy: 1-147th Avn Bn, Madison. RW Qual. Time: 1,300 Hrs.

\*Milo, Michael J. (1LT) (M92) (Mike) 906 Overbrook Road, Baltimore, MD 21239-1533. Dy: (804) 878-2412. S. Kathy. Dy: C Co, 5th Bn, 159th Avn Regt, Fort Eustis, VA. RW Qual. Time: 575 Hrs.

Milner, Charles R. (MAJ) (M80) (Chuck) 1621 A Bennett Circle, Tustin, CA 92782. Dy: (310) 795-2230. Res: (714) 653-8462. S. Alberta. Dy: Battalion Cdr, 6/52 Av Regt, Los Alamitos, CA. Rtg: MAA IP. RW/FW Qual. Time: 3,500 Hrs.

Milivoje, Christopher (CW3) (M93) 3662 Salina Road, Philadelphia, PA 19154-2615. Dy: (609) 530-5914. Res: (215) 281-9536. S. Tricia. Dy: Det 1, 1159 Med Co, NJ/ARNG. RW Qual. Time: 1,350 Hrs.

Miller, Guy W. Jr. (CPT) (M90) (Ves) 3108 Piedmont Road, Suite 105, Atlanta, GA 30305. Dy: (404) 842-1477. Res: (404) 878-5951. S. Carolyn. RW/FW Qual. Time: 600. Life Member.

Mollahan, Joseph P. (CW3) (M96) (Joe) 875 SW Daniels Court, McMinville, OR 97128. Dy: (503) 945-3265. Res: (503) 472-7891. S. Tami. Dy: A Co, 249th Avn. Rtg: MTP. RW Qual. FW Qual. Time: 3,000 Hrs.

\*Monagle, James P. (MAJ) (M82) (Jim) 822 Yorkshire Drive, Grand Prairie, TX 75050-6330. Dy: (214) 264-8578. Res: (214) 264-8971. S. Kathleen. Dy: 4159th USARF School, Fort Worth, TX. Rtg: SAA MTP. RW Qual. Time: 1,100 Hrs. Past Chapter Officer.

Montgomery, Nicholas W. (CW5) (M90) (Nick) 4300 Flat Shoals Road, Apt. 4507, Union City, GA 30291-2427. Dy: (404) 629-7258. Res: (770) 969-8194. S. Lynn. Rtg: SAA. RW/FW Qual. Time: 2,000 Hrs./Cbt 300 DFC1, AM4, 1V.

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, HQ STARC, AASF San Juan. Rtg: IP. RW/FW Qual. Time: 2,300 Hrs.

Moran, Stephen F. (CW2) (M95) (Bisquit) Box 4401, Vineyard Haven, MA 02568. Dy: (401) 621-5415. Res: (508) 693-6436. S. Susan. Dy: E Troop, 5/17th Cav, RI/ARNG. Rtg: AA EWO. RW Qual. Time: 700 Hrs.

Morell, Patrick J. (CW2) (M96) 9094 Byron Center Avenue, Byron Center, MI 49315-9200. Dy: (616) 554-0174. Res: (616) 878-3849.

Moritz, Lee E. (LTC) (M80) 309 1st Avenue North, Conover, NC 28613. Dy: (704) 464-0751. Res: (704) 464-2497. S. Michele. Dy: Vice Pres. Sales, Moretz Mills, 60th Supt Group, XO. Rtg: MAA MTP. RW Qual. Time: 2,100.

Morris, David C. (CPT) (M88) 2304 West 7th Street, Apt. 3T, Hattiesburg, MS 39401. Dy: (601) 544-7900. Res: (601) 583-6527. S. Tammy. Dy: Police Officer/G Co, 185th Avn NVD Pil Leader. RW Qual. Time: 750 Hrs. Life Member.

Morris, Edwin B. (CW2) (M93) (Eddy-Bo) 5101 Highway 29, Petal, MS 39465. Dy:

(601) 888-6272. Res: (601) 582-0756. Dy: G Co, 185th Avn, Meridian, MS. RW Qual. Time: 600.

Motley, Stephanie M. (WO1) (M95) 5508 Bruce Avenue, Louisville, KY 40214. Dy: (502) 884-8434. Dy: National Guard.

Mouritz, Roberta D.M. (2LT) (M96) (Bobbi) 2914 Partridge Lane, Enterprise, AL 36330. Res: (334) 347-3054. Life Member.

Mueller, Stephen E. (CPT) (M96) (Steve) 27 Windrose Way, Watervliet, NY 12189. Dy: (518) 862-0708. Res: (518) 233-0642. S. Catherine. Dy: Co Cdr, Co C, D-142 CSAB, NY/ARNG, US-60 Black Hawk, Latham, NY. Rtg: MTP. RW Qual. Time: 800 Hrs.

Mulvehill, James P. (2LT) (M96) 446 Sunrise Circle, Pleasant Hill, IA 50371-2139. Res: (515) 262-0646. Time: 75 Hrs.

Murphy, Edward J. (CPT) (M80) (E.J.) 309 Vanderbilt Avenue, Brentwood, NY 11717-2519. Dy: (516) 588-2552. Res: (516) 434-1800. S. Jane Ellen. Dy: SF, NY/ARNG. AAFS#-51, Hancock A. Long Island MacArthur Airport. Rtg: MAA SIP. RW/FW Qual. Time: 6,400 Hrs.

Murphy, Richard O. (LTC) (M87) 1842 W. Calle Tiburon, Tucson, AZ 85704. Dy: (520) 682-4599. Res: (520) 297-5270. S. Judith Ann. Dy: Deputy Cmr, WAATS, Rtg: MAA IP IFE. RW Qual. Time: 5,500 Hrs./Cbt 640 Past Chapter Officer.

Muthig, James J. (CW4) (M94) P.O. Box 1113, Bridgeport, WV 26330. Dy: (304) 842-8870. Res: (304) 842-8312. S. Sharon. Dy: IP, Det 1. Fixed Wing, EAATS, Bridgeport, WV. Rtg: MAA IP. RW/FW Qual. Time: 3,200 Hrs.

\*Mytko, Allen M. (MSG) (M93) 3234 McCord Road, Toledo, OH 43617. Dy: (313) 761-3688. Res: (419) 843-5761. S. Jane. Dy: 84th Training Div, Instructor, UH-1H/V Course.

Naparano, Curt J. (SGT) (M95) 397 Edmond Avenue, Paterson, NJ 07052-1313. Dy: UH-1 Crew Chief, Co B, 1-126th Avn, AASF #2, Dover, NJ.

Neal, Jeff (CW3) (M83) P.O. Box 24033, Eugene, OR 97402. Res: (503) 345-8128. S. Karen. Dy: Engineer, S.P. RR & Fixed Wing Charter Pilot, McKenzie Flying Svcs. RW Qual. FW Qual. Time: 3,500 Hrs.

Neal, Michael E. (1LT) (M92) (Party) 418 Caroline Circle, Durham, NC 27707. Dy: (919) 664-7600. Res: (919) 403-9862. S. Meg. Dy: 1-130th Avn Regt, Morrisville, NC. RW Qual. Time: 1,200 Hrs. Life Member.

Neal, Timothy E. (BG) (M96) (Tim) 12325 Hollyhock Court, Woodbridge, VA 22192. Dy: (202) 433-5101. Res: (703) 491-8899. S. Margaret. Dy: Deputy Commanding General, DCARNG, Washington, DC. Rtg: MAA. RW/FW Qual. Time: 5,000/Cbt 1,050 DFC1, AM32.

Negrete, Robert, (SSG) (M95) 229 Army Trail Road, Addison, IL 60101. Dy: (312) 767-9263. Res: (630) 543-6349. Dy: Helicopter Repairer/Crewchief, AASF 2, Midway, Chicago, IL.

Nelson, Michael E. (CW2) (M95) (Mike) 2820 Lake Court, Cumming, GA 30131. Dy: (770) 493-7389. Res: (770) 889-3880. S. Mary. Dy: C Co, 1/171 Avn. Winder, GA. Rtg: IP. RW Qual. Time: 1,800 Hrs.

Nelson, Richard D. (CW5) (M96) (Rick) 1235 Woodruff Street, Southington, CT 06489. Dy: (860) 627-4878. Res: (860) 276-9245. S. Linda. Dy: OSACOM, Det 6, Hartford, Ct. Rtg: IFE SP. RW/FW Qual. Time: 10,500 Hrs./Cbt 980 DFC1/AM2V.

Newman, Eddie L. (LTC) (M72) 219 W. Oak Street, Eldridge, IA 52748-1634. Dy: (319)



391-3635. Res: (319) 285-4577. S: Karen A. Dy. Co: 1109 Avn, Boone, IA. Rtg: MAA IP TP. RW Qual. Time: 5,800 Hrs. Past Chapter Officer.

**Nicol, Matthew R.**, (CW2) (M95) (Matt) 6387 Dalewood Road, Columbus, OH 43229. Dy: (614) 849-2945. Res: (614) 871-2235. Dy: A Co. 3/137th Air Assault Bn, Rickenbacker ANGB, Columbus, OH. RW Qual. Time: 300.

**\*Nield, Patrick O.**, (CW2) (M91) 3515 South Pleasant St., Independence, MO 64655-3211. Dy: (913) 782-1077. Res: (816) 252-9976. S: Elizabeth. Dy: CH-47 Pilot/NBC Officer, C Co., 2nd/158th Avn. Regt. Rtg: AA. RW Qual. Time: 820 Hrs.

**Norris, Ray R.**, (CW2) (M73) (Fat Ray) 659 West Meadow Avenue, Lombard, IL 60148. Res: (708) 495-1047. S: Dale. Dy: Chicago, IL, IFE IP TPUH1. Rtg: AA IFE. RWF/W Qual. Time: 12,000 Hrs./Cbt 1,200 AM/28. Past Chapter Officer.

**\*Nuss, David A.**, (CW2) (M89) 94765 Kimes Street, Waipahu, HI 96797. Dy: (808) 658-2543. Res: (808) 671-4423. Dy: B2-25 Avn, Hawaii. Rtg: AA. RW Qual. Time: 1,350 Hrs./Cbt 35 AM/1.

**O'Brien, Kevin M.**, (CPT) (M95) 400 Brant Court, Havre De Grace, MD 21078. Dy: (410) 974-7400. Res: (410) 939-5066. S: Sherry. Dy: 1st Squadron, 158th Cavalry, Annapolis, MD. Rtg: AA TP. RW Qual. Time: 900 Hrs.

**O'Bryan, George W.**, (CPT) (M90) 5722 S. Mast Cody Court, Bartonville, IL 61607. Dy: (309) 697-7932. Res: (309) 697-4118. S: Eddie. Dy: S-1 Personnel Officer, HQ, 1/106 Avn. Rtg: MTP. RW Qual. FW Qual. Time: 2,100 Hrs. Vp, Programs, Land Of Lincoln Chapter.

**Obum, Robert P.**, (CW4) (M82) P.O. Box 392, Mount Gretna, PA 17064-0392. Dy: (717) 865-8922. Res: (717) 864-3839. S: Patsy. Dy: F Co, 104th Avn, Harrisburg. Rtg: SAA TP. IP. RW Qual. Time: 4,500 Hrs. Vp, Membership Enrollment, Indianapolis Gap Chapter.

**O'Donohue, Raymond V.**, (MAJ) (M90) 40-15 219th Street, Bayside, NY 11361. Dy: (212) 892-5669. Res: (718) 224-3534. S: Sherril. Dy: IRR. Rtg: MAA. RW Qual. Time: 2,600 Hrs./Cbt 1,300 AM/33.1V.

**Oleson, Robert A.**, (WO1) (M96) P.O. Box 4759, Helena, MT 59604-4789. Dy: (406) 444-7011. Res: (406) 227-4073. Dy: Aviator, AMEDD, Student Fixed Wing Pilot, 1-189th Avn CSAB.

**Oliver, David J.**, (SGT) (M96) (Ollie) 2250 East Highway 25-70, Dandridge, TN 37725. Dy: (423) 985-4619. Res: (423) 397-9546. S: Sandi. Dy: TNARNG, Act Tech, AASF #2, Louisville, TN.

**Olivero, Frank J.**, (CW3) (M96) (Rocky) 307 Liberty Drive, E Peoria, IL 61611. Dy: (309) 697-7948. Res: (309) 699-4842. S: Pam. Dy: HHC, 1-108th Av Bn, Treasurer, Land Of Lincoln Chapter.

**\*Ollstein, Bruce W.**, (CPT) (M96) 626 Seaspave Way, Tampa, FL 33602. Dy: (813) 223-6602. Res: (813) 223-6602. Dy: Freelance Writer/Author-Combat Golf. Rtg: AA. RW Qual. Time: 1,200 Hrs.

**\*Ornel, Edward A.**, (MAJ) (M86) (Ed) 14 Christ Lane, Boaz, AL 35957. Dy: (205) 840-2656. Res: (205) 840-9551. S: Shan. Rtg: SAA. RW Qual. Time: 1,200 Hrs. Life Member.

**Or, Brent A.**, (2LT) (M96) 71 A.M. Windham Drive, No. 105, Daleville, AL 36322-4001. Dy: (334) 255-9090. Res: (334) 503-9191. S: Erin. Dy: Flight Student.

**Osberg, Jason F.**, (1LT) (M94) 2501

Highland Drive, Palatine, IL 60067-7363. Dy: (312) 735-7825. Res: (217) 398-3369. Dy: Co B, 1/106th Avn. RW Qual. Time: 300 Hrs.

**Osberg, Justin W.**, (SSG) (M94) 2501 Highland Drive, Palatine, IL 60067. Dy: (127) 679-1510. Res: (708) 397-1554. Dy: E Co, 106th Avn Regiment, Chicago, IL. Life Member.

**Oshiro, Daniel R.**, (LTC) (M94) (Dan) 94-1089 Hanauana Street, Waipahu, HI 96797-4702. Dy: (808) 566-2709. Res: (808) 623-2556. Dy: Opns Officer, 103rd Troop Cmd S2/3, Pearl City, HI. Rtg: MTP IP. RW Qual. Time: 3,000 Hrs.

**Oswald, Ronald J.**, (1LT) (M98) 15 Park Drive, St. Charles, MO 63303. Dy: (334) 255-9090. Res: (314) 949-2008. S: Lydia. Dy: Flight Student, 1-145th, Fort Rucker, AL. Time: 117.

**Ott, Charles D.**, (WO1) (M96) P.O. Box 625051, Fort Rucker, AL 36362-0501. S: Angela.

**Outlaw, William J.**, (CW4) (M94) (Bill) 2505 Federal Hill Farms, Powhatan, VA 23139. Rtg: (804) 236-7363. Res: (804) 378-0919. S: Laura. Dy: Flight Instructor, VAARNG. Rtg: MAA IFE. SIP. RWF/W Qual. Time: 6,100 Hrs./Cbt 1,300.

**Pace, Ryan T.**, (1LT) (M95) 4431 S. 157h Road, Bolivak, MO 65613. Res: (417) 777-2158. RW Qual. Time: 400 Hrs.

**\*Pacello, Carolyn M.**, (CPT) (M90) 3042 George Yfg, Yuma Proving Ground, AZ 85368-0999. Dy: (619) 572-7777. Res: (620) 329-1091. S: F. Scott. Rtg: AA. RW Qual. Time: 920 Hrs. Past NEB Member.

**Pacheco, Andrew M.**, (SGT) (M95) 2539 N. Bridge Street, Visalia, CA 93291-2178. Dy: (209) 733-6313. Res: (209) 627-8743.

**Parker, Thomas O.**, (CW2) (M86) (Tom) 2467 Brunswick Circle, Apt. 2B, Woodridge, IL 60517. Res: (630) 515-0810. S: Denise. Dy: Co F, 106th Avn, Peoria, IL. Rtg: SAA. RW Qual. Time: 1,400 Hrs.

**Parish, Gregory D.**, (COL) (M93) (Greg) 1596 Macintosh Way, Hummelstown, PA 17036. Dy: (717) 861-8924. Res: (717) 566-9074. S: Becky. Dy: HQ STARC, Fort Irwin, CA. Rtg: MAA. SIP. RW Qual. Time: 4,800 Hrs./Cbt 1,800 AM/17.

**Parry, Floyd D.**, (COL) (M92) 5606 Mission, Topeka, KS 66610. Dy: (913) 266-1051. Res: (913) 862-7363. S: Pam. Dy: State Army Avn Officer, KSARNG, Topeka, KS. Rtg: IP TP. RW Qual. FW Qual. Time: 5,000 Hrs.

**Patel, Sanjay**, (SPC) (M96) 3 N. Rose Avenue, Addison, IL 60101. Res: (708) 834-2683.

**Patterson, Timothy J.**, (2LT) (M96) (Nasty) 608 E. New York Street, Oshkosh, WI 54901. Res: (334) 503-1911. S: Joan. Dy: Student Pilot.

**Patterson, Jerry K.**, (MAJ) (M89) 116 Galaxy Way, Yorktown, VA 23693. Dy: (757) 729-5953. Res: (757) 888-0845. S: Christy. Dy: Training Development Officer, HQ TRADOC, Fort Monroe, VA. Rtg: AA TP. RW Qual. FW Qual. Time: 900 Hrs.

**Payne, Kevin W.**, (SFC) (M95) 8B Kingstown Road, Wyoming, RI 02898. Dy: (401) 621-6451. Res: (401) 539-3016. S: Michaelsa. Dy: ALSE Technician, AASF RIARNG Vp, Enlisted Affairs, Narragansett Bay Chapter.

**Peachey, Norman R.**, (CW4) (M81) (Norm) 88 Shawnee Drive, Belleville, PA 17004. Dy: (717) 861-8920. Res: (717) 935-2086. S: Regina. Dy: C-12 Pilot, Det 22, OSAC, PAARNG. Rtg: MAA IFE. RW Qual. FW

Qual. Time: 4,500 Hrs.

**Pfeiffer, Michael T.**, (SFC) (M95) (Mike) 700 Salem Road, Lot 57, Ellers, PA 17319-9582. Dy: (717) 861-8859. Res: (717) 932-2047. S: Cheryl. Dy: F Co, 104th Avn.

**Pence, Margaret L.**, (SFC) (M96) (Peggy) 236-B Sheridan Avenue, Fort Myer, VA 22211-1104. Dy: (703) 607-7173. Res: (703) 522-2908. S: Larry. Dy: Media Specialist.

**Penczar, David W.**, (CPT) (M88) 5 Diamond Court, Northampton, MA 01060-3649. Res: (617) 969-1581. Dy: Boston College Law School, Chestnut Hill, MA. RW Qual. Time: 700 Hrs. AM/2.1V.

**\*Pennycuik, Tracy E.**, (CPT) (M90) 4337 E Desert Lane, Higley, AZ 85326-8019. S: Sherril. Dy: GFR Safety Officer, McDonnell Douglas Helicopter. RW Qual. Time: 450 Hrs./Cbt 12.

**Peters, Donald L.**, (MAJ) (M84) (Spike) 4235 NW Loop 140, Apt. 412, San Antonio, TX 78229-4748. Dy: (512) 465-5029. Res: (210) 979-7880. Dy: S-2, Avn Bde, 49th AD, Austin, TX. Rtg: AA. RWF/W Qual. Time: 1,850 Hrs.

**Peterson, Kenneth L.**, (SFC) (M94) 13441 Galleno Avenue, Marana, AZ 85653. Dy: (602) 682-4578. Res: (602) 682-3241. S: Christine. Dy: Western AATS Silverbell AHP. VP, WAATS, Old Tucson Chapter.

**\*Peterson, Kevin G.**, (CW4) (M92) 166 Crawford Drive, Martinez, GA 30907-9342. Dy: (706) 860-6372. Res: (706) 860-6372. S: Sheryl Ann. Dy: Principal Engr, SunTechnical, Haddam Neck, CT.

**Peterson, Kevin G.**, (CW3) (M94) (K.P.) 9210 Rural Point Drive, Mechanicsville, VA 23116. Dy: (804) 226-3400. Res: (804) 746-7276. S: Alison. Dy: Hello-Chief Pilot, Halo Air Inc., Rtg: IP. RW Qual. Time: 6,000 Hrs.

**Petrick, Thomas G.**, (LTC) (M77) (Tom) P.O. Box 26096, Arlington, VA 22215. Dy: (703) 607-7712. Res: (410) 456-3800. Dy: Projects Officer, Avn & Safety Dir. Rtg: MAA. RWF/W Qual. Time: 3,200/Cbt 654 Past Chapter Officer.

**Pettit, Ronald E.**, (CPT) (M91) 276 Old Loudon Road, Apt. 9C, Latham, NY 12110. Dy: (518) 786-4899. Res: (518) 783-9365. Dy: Asst S3/Tng Off, 3-142 CSAB, Latham, NY.

**Phelps, John B.**, (CW2) (M92) (J.B.) 5729 Main Street, No. 162, Springfield, OR 97478-5426. Dy: (541) 887-4741. Res: (541) 726-9090. Dy: First Aid Staff/EMT for AGRIPAC. Rtg: MAA. RW Qual. Time: 550.

**Pickering, Norman E.**, (SFC) (M95) (Norm) 405 Dietrich Avenue, Tower City, PA 17080. Dy: (717) 881-8891. Res: (717) 647-7203. S: Deanna.

**\*Pierce, John M.**, (CPT) (M78) (Mike) 2135 Gano Road, Montour Falls, NY 14865. Dy: (607) 535-8222. Res: (607) 535-9657. Rtg: AA TP MTP. RW Qual. Time: 710 Hrs.

**Piland, John D.**, (SPC) (M95) 203 Lane of Sir Sawaine, Garner, NC 27529. Dy: (919) 664-7533. Res: (919) 779-8680.

**Pino, Craig J.**, (CW2) (M92) P.O. Box 554, Farmville, VA 23901-0554. Dy: (804) 236-7361. Res: (804) 392-4036. Dy: A Co, 2-224th Avn, 29th ID, Sandston, VA. RW Qual. Time: 650.

**Pirchford, James P.**, (CW2) (M91) (Jim) 13520 Mobile Drive, Little Rock, AR 72208. Dy: (501) 212-5656. Res: (501) 888-7915. S: Sharon. Dy: AH-1 and UH-1 Pilot. A Co, 1-114th Avn, Camp Robinson. RW Qual. Time: 1,200 Hrs.

\*Plankin, Michael, (CW4) (M96) 221 Hillcrest Drive, Conroe, TX 77303-2208. Dy: (409) 525-3325. Res: (409) 441-9174. S: Marjorie. Dy USAR/Instructor Pilot. Rtg: MAA/SP IP TP MTP. R/WFW Qual. Time: 7,500 Cst 1,000 AM/53. Vp, Memb. Enrolment, Amalido Chapter.

Pond, William H., (COL) (M93) (Bil) 15 Middlebridge Road, Narragansett, RI 02882. Dy: (401) 457-4297. Res: (401) 783-0716. S: Holly. Dy: AASF Commander, State Avn Safety Officer. Guestel State Airport. Rtg: MAA IFE. S/P. R/WFW Qual. Time: 7,000 Cst 1,300 DF/C2. AM/1. President, Narragansett Bay Chapter.

Pope, Chalmer D., (CW3) (M85) 1911 Kidare Woods Drive, Greensboro, NC 27407. Res: (910) 454-8381. S: Kaye. Rtg: AA. RW Qual. Time: 1,700 Hrs.

\*Prentiss, Donald L., (CW4) (M88) 11442 Aldrich Street, Whittier, CA 90606. Dy: (310) 895-1366. Res: (310) 695-1366. S: Tana. Dy: 304th MMC/311th COSCOM, Maint. Tech. 151A. Los Angeles, CA. Rtg: AA. AM/20. Vp, Programs, Southern California Chapter, Past Chapter Officer.

\*Price, John T., (1LT) (M95) (Tom) 1900 Taylor George, Longview, TX 75605. Dy: (903) 232-0072. Res: (903) 663-0568. S: Niki. Dy: RN-GSMC.

Priddy, John W., (2LT) (M95) P.O. Box 353, Orland, ME 04472. Dy: (207) 945-0729. Res: (207) 328-9454. S: Kathryn. Dy: 112th Medical Co (AA), 3rd FSMT Team Leader, Bangor, ME. RW Qual. FW Qual. Time: 510 Hrs.

\*Proven, Donn R., (CW2) (M89) ("Doc") 1872 Abbott Court, Northfield, IL 60093. Dy: (847) 729-8553. Res: (847) 446-8140. S: Barbara. Dy: Mobilization Officer. Army Command, Fort Knox, KY. Rtg: MTP. RW Qual. Time: 9,286 Hrs. Cst 650 AM/6.

Pucci, Larry R., (CW5) (M88) 1901 W. Paseo Monseal, Tucson, AZ 85704. Dy: (602) 267-2700. Res: (520) 575-0584. S: Debbie. Dy: AASF No. 2 Pinal Air Park. Rtg: MAA IP IFE MTP. RW Qual. Time: 9,000 Hrs. Life Member.

Puleo, Frank A., (CW2) (M95) (Ladon15) 21 Rustic Acres Drive, Gloucester, RI 02814-1530. Rtg: IP. RW Qual. FW Qual. Time: 2,200 Hrs.

Quancock, Neil D., (CSM) (M91) 35 Sage Road, Waterford, NY 12188. Dy: (518) 788-4375. Res: (518) 237-2070. S: Cindy. Dy: 3142 Avn. Bn, Bn CSM.

Quinn, Vickie L., (2LT) (M96) (Quinn) 158 Lakewood Drive, Daleville, AL 36322. Res: (334) 598-3213. Dy: Student Pilot, 1-145th Avn, ARNG.

Quintero, Manuel L., (MAJ) (M85) (Manny) 4510 Gilbertson Street, Fairfax, VA 22032. Dy: (703) 607-7335. S: Helen. Dy: Avn LNO, ARNG/RC. Rtg: SAA. RW Qual. Time: 1,200.

\*Raber, Terry L., (SGM) (M82) 301 Brandy Lane, Mechanicsburg, PA 17055. Dy: (717) 790-3659. Res: (717) 607-4955. S: Beverly. Dy: Opns Sgr, USAR Control Gp Reserve, St. Louis.

\*Rahe, Brenda S., (CW2) (M95) 207 Kansas Avenue, Hiawatha, KS 66434. S: John. Dy: Dept. of Defense Dependents Schools.

\*Rains, Charles J., (MSG) (M90) (Charlie) 3260 Fox Hollow, Memphis, TN 38115-3106. Dy: (901) 795-2850. Res: (901) 362-2158. S: JoAnne. Dy: USAR Chief Instructor, 3rd Bn (SC), 100th Div Sch, Director, VHCMA.

\*Ramer, Albert W., (LTC) (M81) (Bill) RD 2, Box 198B, Newport, PA 17074. Dy: (717) 567-8619. Res: (717) 567-3491. S: Marcia. Dy: WASP, FORSCOM. Rtg: AA. RW Qual. Time: 2,000 Hrs.

Rapp, David A., (SFC) (M92) (Dave) 24 George Street, Westerly, RI 02891-1824. Dy:

(800) 441-2954. Res: (401) 596-9328. Dy: CT AUCRAD, 1109th, Groton, CT.

Rau, Christopher, (CW3) (M95) 17632 Iron Lane, Edmond, OK 73003. Dy: (405) 297-1000. Res: (405) 341-4071. S: Robin. Dy: Pilot Det 1, G Co, 149th Avn Bn. Rtg: UT. RW Qual. FW Qual. Time: 2,800 Hrs.

Rawling, William E., (CW3) (M85) (Bill) 1430 Erickson Drive, Hastings, MN 55033. S: Tammy. Dy: A Co, 2147th Avn Bn, St. Paul, MN. Rtg: IP. RW Qual. Time: 1,600 Hrs.

Ray, Wendy C., (SFC) (M96) 1326 Chevelle Drive, Richmond, VA 23235. Dy: (804) 225-4077. Res: (804) 328-4306. Dy: A Co, 2224th Avn, Sandston, VA.

Reavis, Benjamin H., (1SG) (M92) (Ben) 9929 Sage Tree Court, Jacksonville, FL 32257. Dy: (904) 441-8144. Res: (904) 268-0243. S: Carole. Dy: C1-111th Avn, Craig Field, Jacksonville, FL.

Reed, Calvin E., (CW3) (M78) (Cal) 6202 Elmer Avenue, Lingelstown, PA 17112. Dy: (717) 558-6195. Res: (717) 545-0250. S: Ada. Dy: LH-1 Pilot, Fort Indiantown Gap. Rtg: MAA. RW Qual. Time: 2,600 Hrs.

Reed, Robert J., (CPT) (M91) 4858 1/2 N. Hermitage, Apt. 1C, Chicago, IL 60640. Dy: (312) 786-4310. Res: (312) 271-5958. Dy: Electrical Engr, WMA Consulting Engrs, LTD. RW Qual. Time: 750 Hrs.

Rees, Raymond F., (MG) (M91) (Fred) P.O. Box 14350, Salem, OR 97309-5047. Dy: (503) 945-3991. Res: (503) 557-5390. S: Mary Len. Dy: The Adjutant General, Oregon (Oregon National Guard), President, Oregon Trail Chapter.

Reid, Adam S., (SFC) (M95) 1439 Starr Drive, Fayetteville, AR 72703. Dy: (501) 212-5142. Res: (501) 443-3406. S: Jude. Dy: ARNG, A Co, 1st Bn, 114th Avn, Camp Robinson.

\*Reinke, Robert, Jr., (LTC) (M79) (Bob) 4150 Maplelawn Drive, Grapevine, TX 76051. Dy: (214) 631-1895. Res: (917) 283-3672. S: Cynthia. Dy: Brigade S-3, Rtg: MAA IP. RW Qual. FW Qual. Time: 9,000 Hrs.

Reinsger, Charles N., (1SG) (M84) (Chuck) 8028 Manada View Drive, Harrisburg, PA 17112-5301. Dy: (717) 861-8963. Res: (717) 857-3434. S: Don. Dy: First Sergeant, REG I, NCOA, FTIG, PA. 94 Trainer Of Year.

Restucco, Marc S., (SSG) (M84) (Sach) P.O. Box 816, Cortaro, AZ 85655-0816. Dy: (520) 267-4550. Dy: Cortaro, AZ WAATS, Silver Bell AHP, Marana, AZ. Life Member.

Rhett, Mark V., (COL) (M93) (Art) 5109 Moley Road, Hopkins, SC 29061. Dy: (803) 748-7148. S: Cheryl. Dy: State Aviator Officer, SCARNG. Rtg: MAA IFE SIP MTP. RW Qual. FW Qual. Time: 5,800 Hrs. Cst 200 AM/5.

\*Ridings, Donald E., (CW4) (M96) (Don) 224 Mount Vernon Drive, Georgetown, KY 40324. Dy: (502) 968-2434. Res: (502) 863-4573. S: Donna. Dy: D Co, 8222th Avn Regt, Fort Knox, KY. RW Qual. FW Qual. Time: 1,200 Hrs.

Res, Arthur W., (COL) (M81) (Art) OSACOM, 6970 Briton Dr., Suite 201, Fort Belvoir, VA 22060-5133. Dy: (703) 806-7008. Res: (410) 515-7296. S: Jamie. Dy: Commander, Operational Support Airlift Command, Rtg: MAA IP. R/WFW Qual. Time: 2,700 Cst 800 AM/11. NEB President, Washington DC Chapter.

Righello, Joseph D., (MAJ) (M88) 4540 Crest Road, Fair Oaks, CA 95626. Dy: (916) 854-3922. Res: (916) 536-9236. Dy: Training Support Office (OTAG), Sacramento, CA. Rtg: AA. RW Qual. Time: 600 Hrs.

Riley, Timothy J., (CPT) (M91) (Riles) 368 Dudley Street, Arlington, MA 02174. Dy: (508) 829-4432. Res: (617) 648-0141. Dy: State Trooper, Mass. State Police, Holden Barracks. RW Qual. Time: 820 Hrs. President, Minuteman Chapter.

Ring, James W., (CPT) (M91) (Jim) 1309 East Cary St, #301, Richmond, VA 23219. Dy: (804) 775-9197. Res: (804) 644-1331. Dy: Col. Co B, 2-224 Avn, VAARNG, Sandston, VA. RW Qual. Time: 900 Hrs. Life Member. Secretary, Stornell Jackson Chapter.

Roach, Gene T., (CPT) (M91) (Tom) 312 Tower Drive, Shelbyville, KY 40065. Dy: (502) 564-8521. Res: (502) 695-2338. S: Sonia. Dy: Platoon Leader, Co F, 135th Avn, 35th ID (DISCOM), Frankfurt, KY. Rtg: AA. RW Qual. Time: 750 Hrs.

Roach, Jeffrey A., (CPT) (M94) (Jeff) P.O. Box 876, Tpk AK 99780-0876. Dy: (907) 353-9047. Res: (907) 885-4677. S: Shenley. Dy: Det 1, A Co, 1207 Avn Regt Co, Ft. Fort Vainwright, AK. RW Qual. Time: 500 Hrs. Life Member.

Robinson, James B., (CW4) (M95) (Jimmie) 6574 St. Julien Drive, Sumter, SC 29154. Dy: (803) 776-7030. Res: (803) 499-4245. S: Cathy. Dy: S/P 1-151 Avn. Rtg: S/P. RW Qual. Time: 1,400 Hrs.

Robinson, Randal M., (BG) (M84) 16 New Street, Charleston, SC 29401. Dy: (803) 805-2901. S: Kley. Dy: Commanding General, 59th Troop Command, Columbia, SC. Rtg: MAA. RW/FW Qual. Time: 3,500 Hrs. Cst 750

Robinson, Robert W., (LTC) (M90) (Bob) 2220 W. Harbor Drive, Bismark, ND 58504-2105. Dy: (701) 224-6100. Res: (701) 258-8337. S: Linda. Dy: Army Aviation Support Facility Commander, NDARNG. Rtg: MTFE. RW Qual. FW Qual. Time: 5,000 Hrs. Cst 1,000 AM/57.

Robinson, Rodney S., (CPT) (M93) (Scott) 895 S. Country Hill Dr., Taylorville, UT 84118. Dy: (801) 565-4423. Res: (801) 964-8741. S: Jamie. Dy: Commander, B Company, 1211th HMB, West Jordan, UT. RW Qual. Time: 1,100 Hrs.

Robble, Mark D., (SSG) (M88) 201 Teakwood Drive, Greensville, NC 27834-8034.

Rockett, James M., (CW3) (M93) 16 Rosewood Lane, Colliar, MA 02835. Dy: (508) 968-5291. Res: (508) 428-5601. Dy: Pilot Det 12 OSA, OAS ANGB, MA. Rtg: IP. RW Qual. FW Qual. Time: 5,500 Hrs.

Rogers, David W., (CW4) (M79) 2104 West Street, Austin, TX 78703. Dy: (512) 465-5013. Res: (512) 465-5013. S: Ann. Dy: Training Officer, Co F, 149 Avn, Austin, TX. Rtg: SAA. RW Qual. Time: 2,500 Hrs.

Rohm, Robert A., (MAJ) (M86) (Rob) 2002 Paradise, Arlington, TX 76011. Dy: (847) 295-3089. Res: (817) 483-9171. S: Vicki. Dy: XO, 244th Avn Cpt (CBT), Fort Stewart, IL. Rtg: MTP. R/WFW Qual. Time: 1,200 Cst 20

Rolg, Jose R., (CPT) (M90) (Sonata) 12, URB Munoz Rivera, Guaynabo, PR 00969. Dy: (809) 722-3918. Res: (809) 789-2742. S: Sonia. Dy: Commander, RAID. Rtg: MTP. RW Qual. Time: 1,200 Hrs.

\*Roland, Jeffery J., (CW3) (M95) (Razor) 12110 W. 59th Terrace, Shawnee, KS 66216-2048. Dy: (913) 782-4545. Res: (913) 962-0267. S: Barbara. Dy: C Co, 2158 Avn. Regt. Rtg: IFE. RW Qual. Time: 1,400 Hrs.

Rowland, Carole A., (SGT) (M95) (STRECH) 341 Harding Drive, Pleasantville, IA 50225-7543. Dy: (800) 294-6607. Res: (515) 848-3325. Dy: Det 1, C Co, 2135th Avn Bn, Boone, IA.

Russell, David B., (WO1) (M96) 217 Apache Drive, Apt. 9C, Enterprise, AL 36330. Res: (334) 393-4899. Dy: Student Pilot.

Russell, Jeffery S., (1LT) (M95) 1125A Park Boulevard, Rome, GA 30161. Res: (706) 233-9558. Dy: Georgian Army National Guard, 148th Medical Company (AA). RW Qual. Time: 300 Hrs.

Ryals, Candice A., (SSG) (M96) (Cand) 7 Veteran Street, Southwick, MA 01077-9653. Dy:



(413) 557-3251. Res: (413) 569-3292. Dy Aviation Life Support Equipment Repairer. AASF #2. Westover ARB, MA.

Ryan, John H., (SGM) (M94) (Jack) 141 Garden Street, Cranston, RI 02910-2812. Dy: (401) 457-4111. Res: (401) 781-4698. S. Petty. Dy: State Command Sergeant Major, HQ STARC, Cranston, RI.

Ryan, Matthew J., (SFC) (M94) 13 Rene Drive, Spencerport, NY 14559-1619. Dy: (716) 783-6361. Res: (716) 352-0728. S. Sheila. Dy: Chief Supply Supervisor, HQS, 209 FA Bde, NYARNNG, Rochester, NY.

Ryzacek, Ronald E., (WO1) (M93) (Ron) 47 Bonville Avenue, Chicopee, MA 01013-3017. Res: (413) 592-9929. Dy: EMT, Firefighter, Barnes Municipal Airport.

\*Sanhueza, Hugo S., (MAJ) (M85) (Schulze) 5218 West Nighthawk Way, Tucson, AZ 85742. Res: (602) 744-3619. Rtg: AA. RW/Qual: Time: 750 Hrs.

\*Savage, Wade R., (MAJ) (M85) 3936 Highway Avenue, Highland, IN 46322. Res: (219) 923-6422. S. Ronda. Rtg: SAA TP. RW/Qual: Time: 1050 Hrs./Cdt 75 AM1.

Savary, Dale R., (MAJ) (M91) (Sus) 15 Milton Street, Seekonk, MA 02771-1519. Dy: (508) 968-5164. Res: (508) 336-3936. S. Barbara. Dy: Network System Administrator, SBRA, Boston, MA. RW/Qual: Time: 500 Hrs.

\*Schallin, J. Gunnar, (COL) (M72) (Gunner) 4848 Valinda Way, San Diego, CA 92124-2429. Dy: (619) 939-3771. Res: (619) 565-4852. Dy: Corpus Christi Army Depot, TX. Rtg: MAA. RW/Qual: PW Qual: Time: 2,500 Hrs./Cdt 800 DFC2, AM23. Charter Life Member.

\*Schallow, Gwen N., (CW3) (M93) 16 Moss Road, Sterling, VA 20165. Dy: (703) 430-4276. Res: (703) 430-4276. S. Michael. Dy: Pilot, Federal Aviation Administration, Washington Natl Airport. RW/Qual: Time: 8,000 Hrs.

\*Schallow, Michael L., (CW3) (M93) 16 Moss Road, Sterling, VA 20165. Res: (703) 430-4276. S. Gwen. Dy: Pilot, Continental Airlines. Rtg: IP IFE. RW/Qual: PW Qual: Time: 9,000 Hrs.

Schor, Kenneth D., (CW4) (M96) (Ken) 3003 S. Ponte Vedra Blvd., Ponte Vedra Beach, FL 32082-4533. Dy: (904) 381-8652. Res: (904) 424-7073. S. Sharon. Dy: 11th Avn Bn (AH), Craig Field, Jacksonville, FL. Rtg: MTP. RW/Qual: PW Qual: Time: 3,100 Hrs.

\*Schrom, Charles M., (CPT) (M93) (Chuck) 2609 Briarclay Road, Apartment No. 204, Schaumburg, IL 60173. Dy: (630) 960-1880. Res: (847) 928-9252. Dy: Vice President International, BSI, Inc. RW/Qual: Time: 1,100.

Schenick, John R., (SFC) (M96) 4528 W. Tuscarora Road, Bartonville, IL 61607. Dy: (309) 697-7921. Res: (309) 697-2108. Dy: C Co, 1-10th Avn Bn, Senior Vice President, Land of Lincoln Chapter.

Schieffelin, William G., (SGT) (M94) 222 Tina Marie Lane, Smyrna, DE 19977-9677. Dy: (215) 697-0995. Res: (302) 659-0281. S. Pat. Dy: 1st Bn, 150th Avn.

Schroeder, Patrick D., (CW2) (M92) 66 Glenview Drive, Decatur, IL 62521.

Schutte, Derek J., (1LT) (M94) 14111 Laurel Road, Minnetonka, MN 55345. Res: (612) 797-5218. S. Kimberly.

\*Schwab, William P., (CPT) (M95) (Bill) 346 Palos Verdes Blvd., Apt. 1, Redondo Beach, CA 90277-5626.

Schwartz, Randal A., (MAJ) (M90) (Randy) 2427 Easy Street, Savannah, GA 31406-4229. Dy: (912) 353-2835. Res: (912) 355-0841. S. Catherine. Dy: Battalion Operations Officer, 425th Med Evac Bn. RW/Qual: PW Qual: Time: 2,050 Hrs./Cdt 30 AM1.

Schwartz, Linda S., (SSG) (M94) 14448 N. Warfield Circle, Marana, AZ 85653-9324. Dy:

(602) 267-2700. Dy: Western ARNG Aviation Training Site.

Schwartzkopf, Louis, (CW4) (M94) 3 Foxwood Lane, RD 3, Medford, NJ 08053-9138. Dy: (609) 530-5914. Res: (609) 654-6571. S. Carol. Dy: Det 1, 1159th Med Co, W. Trenton, NJ. Rtg: IP. RW/Qual: Time: 7,000/Cdt 1,073 AM1.

Sears, John F., (WO1) (M94) 1723 Wood Terrace Circle, Doraville, GA 30340-3917. S. Tricia. Dy: 148 Med Co (AA), Winder, GA.

Sebo, D'Ann, (1LT) (M93) 1777 Shoreline Drive, Apt. 314, Alameda, CA 94601. Dy: (415) 972-2737. Res: (510) 865-4682. Dy: Section Leader, Reno, NV. RW/Qual: PW Qual: Time: 700 Hrs.

\*Selber, Eric A., (CPT) (M87) (Eric) 1050 S Dahlia Street, Apt. C-9, Denver, CO 80222. Rtg: AA. RW/Qual: Time: 700 Hrs. Past Chapter Officer.

Settino, Richard W., (1LT) (M92) 1914 Muller Avenue, Bronx, NY 10462-3409. Dy: (516) 737-4459. Res: (718) 597-8304. Dy: Commander, B Co, 3-142nd CSAB, NYARNNG. Rtg: AA. RW/Qual: Time: 365 Hrs.

Shaffer, Bruce E., (CW4) (M92) 371 Castle Road, Rochester, NY 14623. Dy: (716) 783-5408. Res: (716) 334-0675. S. Lynn. Rtg: SIP. RW/Qual: Time: 4,595 Hrs./Cdt 947 AM23. Life Member. Past Chapter Officer.

Shailor, Thomas J., (COL) (M89) 202 East Road, Colchester, VT 05446. Dy: (802) 865-3382. Res: (802) 878-2116. S. Judith. Dy: State Army Avn. Of Vermont Avn. Rtg: MAA. IP. RW/Qual: PW Qual: Time: 8,200/Cdt 600 AM1.

Shanahan, William C., (CPT) (M93) (Bill) 509 S. Vineyard Boulevard, Collingswood, NJ 08108. Dy: (609) 530-4262. Res: (609) 864-1528. S. Shannon. Dy: Training Officer-150th Avn. RW/Qual: Time: 600 Hrs.

\*Shashy, Ronald G., (CPT) (M94) (Ron) 15210 Amberly Dr., Apt. 634, Tampa, FL 33647. Res: (813) 632-2976. S. Evelyn. Dy: Student.

Shea, William P., (MAJ) (M88) (Bill) 50 Goodman Drive, Middletown, CT 06457-1994. Dy: (860) 441-2900. Res: (860) 344-9038. S. Carolyn. Dy: Production Control Officer, CT AVRCD, Groton, CT. Rtg: SAA. RW/Qual: Time: 1,100 Hrs. Vp, Military Affairs, Connecticut Chapter.

Sheard, John F., (CPT) (M93) 1262 Adams Way, Neptune, NJ 07753-6286. Dy: (609) 562-0807. Res: (908) 988-4148. S. Natalie. Dy: Commander, Counterdrug Aviation Detachment (RAID), RW/Qual: PW Qual: Time: 1,700 Hrs.

\*Sheppard, Dennis K., (LTC) (M94) 2222 Wood Valley Road, Harker Heights, TX 76548. Dy: (817) 287-8912. Res: (817) 698-4600. Dy: 75th Div (E), 1st Bde. Rtg: SAA. RW/Qual: PW Qual: Time: 1,100 Hrs.

\*Sherrard, David G., (LTC) (M95) (Dave) 805 Westinghouse Way, Durwood, GA 30350. Dy: (404) 762-2443. Res: (770) 641-8174. S. Monica. Dy: Operations Officer, 3rd US Army Fort McPherson, GA. RW/Qual: Time: 2,100 Hrs./Cdt 570 AM15.

Shipman, Dennis P., (CW4) (M96) 1474 Westinghouse Street, Reno, NV 89503. Dy: (702) 872-2749. Res: (702) 323-3017. S. Shelley. Dy: OSA Ft Det Co, NVARNNG. Rtg: MAA. IFE. SIP. RW/Qual: PW Qual: Time: 9,000/Cdt 1,300 AM21.

Shoffler, Leon P., (CPT) (M91) (Lee) 906 Jade Avenue, Lancaster, PA 17601-1173. Dy: (717) 661-6339. Res: (717) 285-2887. S. Lynn. Dy: Electronics Instructor, A Company, 2104th Avn. RW/Qual: PW Qual: Time: 770 Hrs.

Sides, Robert L., (LTC) (M95) (Bob) AASF #2, P.O. Box 1786, Salisbury, NC 28144-1786. Dy: (704) 359-5812. Res: (919) 846-9171. Dy: Commander, AASF #2, NCARNG. Rtg: IFE. SIP. RW/Qual: PW Qual: Time: 8,000/Cdt 1,200 DFC WV. Vp, Memb. Renewals, Tarheel Chapter.

\*Siefert-Hall, Joni Lynn, (MAJ) (M79) (Joni) 245 N. Fayette Drive, Fayetteville, GA 30214. Dy: (404) 629-8082. Res: (404) 461-4869. S. Gary. Dy: Equipment Specialist (Airframe), Rtg: MAA. IP. MTP. RW/Qual: PW Qual: Time: 3,000. Life Member, Secretary, Greater Atlanta Chapter.

Simpson, William A., (LTJ) (M96) (Bill) 13622 Winterridge Ridge, Midlothian, VA 23112. Dy: (804) 236-7301. Res: (804) 744-2852. S. Cheryl. Dy: State Aviation Officer, VAARNNG. Rtg: MAA. IP. IFE. RW/Qual: PW Qual: Time: 9,000 Hrs./Cdt 700 AM20. Senior Vice President, Stonewall Jackson Chapter.

Singer, Bennett E., (CPT) (M87) (Ben) 626 Smithfield Road, No. 408, North Bend, OH 02904-2930. Dy: (800) 682-5235. Res: (401) 353-1032. S. Lisa-Beth. Dy: 1/126th Avn Rgt, RIARNNG, Quonset Point, RI. Rtg: AA. RW/Qual: Time: 2,000 Hrs.

Skaret, Michael E., (CW4) (M95) 351 Crossings Boulevard, No. 636, Orange Park, FL 32073. Dy: (904) 641-8377. Res: (911) 278-5347. Dy: IFE/Ting Officer, C Co, 1-10th Avn Rgt (A&H). Rtg: MAA. IFE. IP. RW/Qual: PW Qual: Time: 4,687 Hrs./Cdt 857 DFC2, AM17.

Skiba, Robert A., (CW5) (M92) (Bob) 87 Greenport Circle, Chicopee, MA 01020. Dy: (413) 557-3400. Res: (413) 532-5207. S. Carolyn. Dy: Avn Safety Off, Westover AFB, MA. Rtg: IP. RW/Qual: Time: 4,000 Hrs./Cdt 1,000 DFC1, AM21.

Skinner, David W., (MAJ) (M90) P.O. Box 622049, Fort Lauderdale, FL 33362-0249. Dy: (334) 255-2520. Dy: ARNG Multi-Media Branch. Rtg: AA. RW/Qual: Time: 700 Hrs.

Slane, Robert K Jr., (CW3) (M94) (Bob) 4230 Cherry Orchard Court, Bloomington, IN 47403. Res: (812) 323-1170. S. Cathy. Dy: Student, Indiana University/IN. INARNNG, B Co, 3-137, 38 ID. Rtg: SAA. IFE. RW/Qual: Time: 3,300 Hrs.

Slattery, Michael P., (CW3) (M88) (Slats) P.O. Box 59, Hopkinton, MA 01784. Rtg: MAA. IP. RW/Qual: Time: 2,900 Hrs.

Slaight, Donald J., (CW3) (M96) (Jay) Bldg. 389, Picatinny Arsenal, Ft. Belvoir, NJ 07800-5000. S. Lisa. Rtg: MTP. RW/Qual: Time: 3,500 Hrs.

Smith, Greg J., (SFC) (M95) 4601 W Red Wood Drive, Tucson, AZ 85742. Dy: (520) 862-4686. Res: (520) 744-8780. S. Becky. Dy: WAATS, Marana, AZ.

Smith, Mark A., (MAJ) (M81) (Smity) 36 Middlebury Lane, Newman, GA 30255. Dy: (404) 629-8915. S. Barbara. Dy: Assistant Inspector, General, US Army Reserve Command, Rgt: SAA. IP. TP. RW/Qual: PW Qual: Time: 2,700 Hrs.

Smith, Michael A., (COL) (M95) 4507 Stars Hill Road, Waltham, MA 02154. Dy: (617) 496-1129. Res: (617) 738-0596. S. Holly. Dy: US Army War College, Dept at Harvard Univ, Kennedy Schl Government. RW/Qual: PW Qual: Time: 6,700 Hrs.

Smith, Michael B., (COL) (M93) 10 Continental Lane, Titusville, NJ 08560-1122. Dy: (609) 530-4802. Res: (609) 737-0452. Dy: Supervisory Aircraft Pilot, Rgt: MAA. SIP. RW/Qual: PW Qual: Time: 5,600 Hrs.

\*Smith, Paul N., (MAJ) (M82) 4501 Pineview Drive NE, Cedar Rapids, IA 52402-1715. Res: (319) 378-9781. S. Cindy. Dy: Logistics Mgr., 2nd COSCOM, Des Moines, IA. Rtg: AA. IP. RW/Qual: PW Qual: Time: 2,000 Hrs.

Smith, Randall S., (SPC) (M95) (Scott) 2601 N. 36th Street A101, Phoenix, AZ 85008. Dy: (602) 267-2890. Res: (602) 867-9610. S. Billy Jo. Dy: Maintenance Power Plane Mech.

Smith, Scott R., (CW3) (M83) 810 Andrew Mountain Road, Naugatuck, CT 06770. Dy: (203) 368-3668. S. Emma Lee. Dy: Engineering Test Pilot, Sikorsky Act. Rtg: SAA. Time: 2,500.



Smith, William H., (LTC) (M91) (Butch) P.O. Box 119, Belcherston, WA 01007. Dy. (508) 968-5822. Res: (413) 323-5881. S. Diane. Dy. Dr. Van & Sily, MAARNG. Rtg. MAA IFE SIP IP. RW Qual. FW Qual. Time: 8,000 Hrs./Cbt 1,500 AM/1V. Senior Vice President, Minuteman Chapter.

Soldan, Alan K., (MAJ) (M96) (Al) 2745 SW Vila West Drive, No. 1302, Topeka, KS 66614. Dy. (913) 862-0774. Res: (913) 271-8384. Dy. AGR Bn K-3, 1-10th Avn Regt, Topeka, KS. Rtg. SAA. RW Qual. Time: 1,100 Hrs.

Solis, Daniel W., (SPC) (M95) 26532 PS River Road, Port Sulphur, LA 70083. Res: (504) 564-3112. Dy. Full Time Student.

Sones, Jeffrey C., (1LT) (M94) (Jeff) 63 Preacher Sones Road, Carriere, MS 39426-8436. Dy. (601) 680-8312. Res: (601) 799-0169. S. Teresa. Dy. Co C, 1-18th Avn, Tupelo, MS. Rtg. AA. RW Qual. Time: 807 Hrs.

\*Southard, Chets, (LTC) (M95) 143 Fairlane, Lansing, KS 66043. Dy. (913) 684-8552. Res: (913) 727-2165. S. Carolyn. Dy. Chief Avn Div. RW Qual. Time: 2,200 Hrs.

Spalding, David J., (CW2) (M95) 4649 South Courts Court, Morrison, CO 80465. Res: (303) 697-0507. S. Vicki. Dy. 2-135th Avn Bn. RW Qual. Time: 350 Hrs.

Sparrow, Harlan G., (CWA) (M94) (Bird/Man) P.O. Box 9282, Columbia, SC 29290. Dy. (803) 776-7030. Res: (803) 695-1522. Dy. Flight Instructor, A-84, SCARNG, Eastover, SC. Rtg. IFE SIP IP MTP. RW Qual. FW Qual. Time: 11,000 Hrs./Cbt 600 AM/1.

Speese, Andrew J., (CWA) (M81) 1105 Luanageta Street, Kalua, HI 96734-4548. Dy. (808) 624-9300. Res: (808) 261-4236. Dy. C Co, 193 Avn, Wheeler AAF, HI. Rtg. MAA. RW Qual.

\*Spellos, Angelo, (CWA) (M84) (Ang) 110 Camelsot Drive, Weatherford, TX 76086-5906. Dy. (817) 222-5273. Res: (817) 596-3090. Dy. Individual Ready Reserve, Amercon Reserve, St. Louis, MO. Rtg. MAA IFE SIP IP MTP. RW Qual. FW Qual. Time: 9,795 Hrs./Cbt 899 AM/20LC. Past Chapter Officer.

Spencer, Anthony, (SSG) (M98) AASF #1, Hangar A, MacArthur Airport, Noronkoma, NY 11779. Dy. (516) 588-2277. Res: (516) 424-0260. Dy. Turbine Engine Mechanic.

Spilman, Robert, (SPC) (M95) 8902 Wightman Drive, Austin, TX 78754. Res: (512) 928-4146.

Spruill, David K., (1LT) (M94) 1208 Ralston Way, Lawrenceville, GA 30043. Dy. (770) 868-4100. Res: (770) 237-0859. S. Patt. Dy. HHC XO, 1/171st Avn Bn, Winder, GA. RW Qual. Time: 300 Hrs.

Squitter, Jason M., (2LT) (M95) 337 East Del Monte Ave., Clewiston, FL 33440. Res: (813) 963-4744. Dy. 1st Bn, 11th Avn Regt, (A8), Jacksonville, FL. RW Qual. Time: 240 Hrs.

\*Stadt, Thomas A., (COL) (M81) Rogers Benefit Group, Inc., 40 Washington Street, Wileysley Hills, MA 02181-1802. Dy. (617) 431-2166. Res: (617) 225-5383. S. Katherine. Dy. Principal EPLOR, FEMA, Reg. 1, First US Army, Boston, MA. Rtg. SAA. RW/FFW Qual. Time: 1,500 Hrs./Cbt 300 AM/7. Life Member, Past Chapter Officer. 1980 Avn Unit Award.

Staake, Robert F., (MAJ) (M94) (Bob) 637 Saybrook, Kalamazoo, MI 49009. Dy. (616) 962-0061. Res: (616) 375-8661. S. Laura. Dy. Operations Officer, 1-238 Avn, Regt, Michigan ARNG. Rtg. SAA. RW/FFW Qual. Time: 7,000 Hrs./Cbt 400 AM/8.

Starbody, John C., (CSM) (M96) AASF #1, 660 Airport Road, Decatur, IL 62522. Dy. (217) 422-3687. Res: (217) 422-7915. Dy. ARNG, HQ 1/106th Avn.

Stark, Michael P., (SFC) (M90) 5904 Daniels Loop SE, Laazy, WA 98513-6203. Dy. (206)

967-7899. Res: (360) 438-7187. Dy. Operations SGT, 66 Avn Bde, Fort Lewis, WA.

Starkey, William H., (WO1) (M94) (Bill) 2164 W 900 North, Fountaintown, IN 46130. Dy. (317) 382-8203. Res: (317) 835-7032. S. Army. Dy. Co B, 2-238 AHB, Shelbyville, IN. RW Qual. Time: 400 Hrs.

Stearns, Bryan F., (LTC) (M86) 8004 Apollo Street, Mason Neck, VA 22079-3513. Dy. (703) 695-3822. Res: (703) 339-8649. S. Denise. Dy. NGB Aviation & Safety, Pentagon, Rgt. SAA. RW Qual. Time: 2,000 Hrs.

Steber, Jerome J., (CW3) (M91) (Jerry) RD 3, Box 3070, E. Stroudsburg, PA 18301. Dy. (908) 544-3735. Res: (717) 476-4852. Dy. F. Co, 150th Avn Bn (AH), Pictor Army Arsenal, NJ. Time: 2,000 Hrs./Cbt 1,000 AM/1.

Stephens, James L., (CWA) (M88) (Jim) 1119 NC Highway 801 N, Advance, NC 27006-6700. Dy. (704) 359-5184. Res: (910) 998-5571. S. Linda. Dy. SuperFit Inst, NCARNG, Salisbury, Rtg. MAA IFE SIP MTP. RW Qual. Time: 4,500 Hrs.

Stephens, W. Richmond, (CWA) (M88) (P) P.O. Box 460, Moody, AL 35004-0460. Dy. (205) 699-3700. Dy. Atty at Law, Rtg. MAA. RW Qual. FW Qual. Time: 5,000 Hrs./Cbt 1,799 AM/1V. Life Member, Past Chapter Officer.

Stevens, Herbert E., (CW2) (M91) 602 E. Greenwich, Lexington, IL 61753-9518. Res: (309) 365-5391. S. Lynette. Dy. Safety Manager, Rtg. AA. RW Qual. Time: 800 Hrs.

Stewart, Debbie, (MAJ) (M82) 710 Vinson Circle, Harker Heights, TX 76548. Dy. (817) 738-2306. S. Jim. Dy. Brigade 54, CATB. Rtg. SAA MTP. RW Qual. Time: 2,000 Hrs.

Stewart, Walter L., (MG) (M82) (Walt) RD 4, Box 155, Bernville, PA 19506. Dy. (610) 376-3631. Res: (610) 488-7741. S. Sheila. Dy. CG, 28th Div, Harrisburg, PA. Rtg. MAA, RW/FFW Qual. Time: 2,300 Cbt 900 Life Member.

\*Sticher, Jeffrey W., (CW2) (M92) 2384 Pennsylvania Avenue, Maryville, TN 37801. Dy. (423) 370-3090. Res: (423) 984-9202. Dy. Flight Instructor, Student, McGee/Tyson Airport. Rtg. AA. RW Qual. FW Qual. Time: 1,175 Hrs.

Stiff, Craig W., (CWA) (M95) 308 12th Street Court, Goldenedale, WA 98620. Dy. (503) 945-3259. Res: (509) 773-9946. Dy. IP, ORARNG. RW Qual. FW Qual. Time: 7,500 Hrs./Cbt 850 DFC2, AM/34.

\*Stipinick, Maris, (CWA) (M80) 1909 Canyon Court, Denton, TX 76205. Dy. (214) 266-6980. Res: (817) 382-8650. S. Anita. Dy. RSA Detachment, NAS Dallas, TX. RW Qual. FW Qual. Time: 8,000 Hrs./Cbt 1,100 DFC1, AM/3. Past Chapter Officer.

Stosen, John, (LTC) (M88) (John/Dog) 2331 Tallent Drive, Charlotte, NC 28210-6771. Dy. (704) 377-7376. Res: (704) 553-9638. S. Cheryl. Dy. XO, 449th Avn Gp, NCARNG, Kinross, NC. Rtg. MAA IP MTP. RW Qual. Time: 2,500 Hrs./Cbt 975 DFC21, AM/30.

Stoley, John F., (LTC) (M96) 2106 Toro Canyon, Austin, TX 78748. Dy. (512) 465-5137. Res: (512) 327-0324. S. Janice. Dy. GM-13 Avn. Ops. Officer, Texas National Guard. RW Qual. Time: 5,400 Hrs./Cbt 670 AM/2V.

Stone, Doyle L., Jr., (CWA) (M80) (Doyle) 305 Stone Ridge Drive, Austin, TX 78734. Dy. (512) 465-5001. Res: (512) 266-7105. Dy. RAID IP, AGTX-CD, Austin, TX. Rtg. MAA SIP. RW Qual. Time: 5,500 Hrs./Cbt 750 Past Chapter Officer.

Stone, Shepard B., (MAJ) (M87) 712 Robert Frost Drive, Brantford, CT 06405. Dy. (203) 785-2802. Res: (203) 481-7009. S. Marlene. Dy. Aeromedical Physician Asst, 1st Bn, 168th Avn Regt, Enfield, CT. FW Qual. Time: 500 Hrs. Life Member.

Stone, William L., (CWA) (M94) 10125 S. Komensky, Oak Lawn, IL 60453. Dy. (612)

554-4785. Res: (708) 422-3643. S. Eleanor. Dy. Pilot, B Co, 1/106th Avn, Chicago, IL. Rtg. MAA. RW Qual. Time: 3,100 Cbt 1,200 AM/1V.

Stoner, James A., (CW2) (M87) 207 Kings Highway, Marysville, PA 17053-9413. Dy. (717) 772-3921. Res: (717) 957-3297. Dy. MTP, D Troop, 1/104 Cav. Rgt. AA. RW Qual. Time: 2,400 Hrs.

Stroff, Joseph J., (CPT) (M89) P.O. Box 672337, Chugiak, AK 99567-2337. Dy. (907) 428-6683. S. Lynn. Dy. B Co, 1/207th Avn Regt, AKARNG, NVD Section Ldr/Ops Officer. Rtg. AA. RW Qual. Time: 975 Hrs.

Streiffield, Lynette C., (SGT) (M95) (Lynn) 41 Middle Avenue, No. 2 DFL, Tiverton, RI 02878-4505. Dy. (401) 821-5413. Res: (401) 624-7536. S. Robert. Dy. C-23 Flight Engineer, RIARNG.

\*Strickland, Paul B., (1LT) (M96) P.O. Box 5244, Lafayette, IL 47903. Res: (317) 447-3685. S. Lonalean. Dy. D Co, 8229th Avn Regt, Fort Knox, KY. Rtg. MAA IP. RW Qual. FW Qual. Time: 2,000 Hrs.

Strobel, Oliver K., (CPT) (M86) Kochelerstrasse 18, D-83671 Benediktbeuren, Germany. S. Edith. Dy. Research Biochemist, Boehlinger Mannheim GmbH, Penzberg, Germany. RW Qual. Time: 800 Hrs.

Strong, Tracy A., (CW3) (M93) 513 Navaho Drive, Apt. 12, Radcliff, KY 40160-2188. Dy. (502) 624-1916. Dy. B Co, 8-229 (Altford), Fort Knox, KY. Rtg. SAA IP. RW Qual. Time: 2,000 Hrs.

\*Suchy, Rose A., (SSG) (M94) P.O. Box 450076, Harrison Twp, MI 48045. Dy. (810) 307-5530. Res: (810) 725-7889. Dy. Avn Records Tech, HGR Selridge ANGB.

Sullivan, David W., (CWA) (M89) (Dave) 23835 Village Drive, Porter, TX 77365-4649. Dy. (713) 929-2708. Res: (713) 354-9074. S. Yolanda. Dy. Captain, Continental Airlines, C-1-1497H TXARNG. Rtg. MAA SIP IFE. RW Qual. FW Qual. Time: 2,815 Hrs./Cbt 1,134 DFC1, AM/28 Life Member.

Sullivan, Timothy F., (SGT) (M96) (Tim) 7 Old Coast Road, Wilbraham, MA 01095. Dy. (413) 557-3254. Res: (413) 599-1237. Dy. Flight Operations, AASF #2, Westover AFB, Chicopee, MA.

\*Sullivan, William T., (CW3) (M95) (Sully) 1326 Spring Street, No. 7, Dover, TN 37058. Dy. (615) 232-3109. Res: (615) 232-4825. Dy. Teacher. RW Qual. Time: 1,100 Hrs.

Swanson, Tyson G., (WO1) (M96) (Ty) 413 Pine Forest, Sidell, LA 70458. Dy. (800) 965-9785. Res: (504) 649-6169. S. Patricia. Dy. Pilot, Avn, 1-244th. RW Qual. Time: 190 Hrs./Cbt 60 AM/1.

Sweeney, Michael K., (LTC) (M85) (Mikey) 1860 Cliffield Drive, Huntington, MD 20639-9366. Dy. (410) 671-2635. Res: (410) 251-2770. S. Janet. Dy. Dir. Dr. Cnt. MACE, MDARNG, APG, MD. Rtg. MAA. RW Qual. FW Qual. Time: 2,100 Hrs.

Tadsen, Thomas A., (LTC) (M85) (Higgins) 1077 Jesse Avenue, Kent, OH 44240. Dy. (330) 358-2033. Res: (330) 678-8849. S. Frankie. Dy. Training Sgt Manager, Ravenna Arsenal, Ravenna, OH. Rtg. MAA MTP. RW Qual. FW Qual. Time: 4,000 Hrs. AM/2.

\*Tallman, James C., (MAJ) (M83) (Craig) CDC American Embassy Bonn, PSC 117, Box 340, APO AE 09080. S. Kathleen. Dy. Armament Mgr, Bonn, Germany. Rtg. SAA. RW Qual. FW Qual. Time: 1,600 Hrs. Past Chapter Officer.

Tames, Carlos, (1LT) (M95) 756 Simonetti Drive, Aledo, TX 78748-6551. Res: (512) 282-4636. S. Patricia. Dy. Pl, Co G, 3/149 Avn, DNAS, TXNG.

Taneyhill, James W., (LTC) (M82) (Jim) 522 Rockspring Avenue, Bell Air, MD 21014. Dy. (410) 893-3613. Res: (410) 592-5754. S. Karen.

Dy. Deputy Commander, MACE, Aberdeen Proving Ground, MD. Rtg. MAJ. RW Qual. FW Qual. Time: 2,400 Hrs./Cbt. 400 AM/7.

**Tekell, Jodi S., (MAJ)** (M84) 3420 Jameston Drive, Flower Mound, TX 75028. Dy. (214) 539-2716. Res: (214) 539-2716. S. Scott. Dy. Asst Inspector General, San Antonio, TX. Rtg. SAA IP. RW Qual. Time: 2,510 Hrs.

**Thiesmeyer, Erik L., (CPT)** (M89) (Spike) 617 Proscott Avenue, No. 16, South Pasadena, CA 91030-2443. Dy. (810) 795-2444. Res: (818) 441-5424. S. MJA. Dy. Commander, Troop E, 1/8th Cav. AFRC, Los Alamitos, CA. Rtg. AA. RW Qual. Time: 840 Hrs.

**Thorne, Michael N., (MAJ)** (M83) 2738 DeFord Mill Road, Hampton Cove, Owens Cross Roads, AL 35763-9322. Dy. (205) 895-1558. Res: (205) 539-6077. S. Selina. Dy. Deputy Chief Ind. Insp. DCSOPS, 81st Replgt Supt Cnd. Rtg. SAA. IP. RW Qual. Time: 1,500 Hrs./Cbt. 90 AM/3, IV.

**Thompson, Ray L., (COL)** (M88) 1122 North 28th Street, Bismarck, ND 58501. Dy. (701) 224-5908. Res: (701) 256-6517. S. Kathy. Dy. State Army Avn Off, HQ STARC, NDNG. Rtg. MAJ IFE SIP. RW Qual. FW Qual. Time: 8,800 Hrs./Cbt. 750 AM/12.

**Thompson, Robert J., (1LT)** (M95) (Bobby) RR 1, Box 676, Woodstock, VT 05091. Dy. (802) 862-6964. Res: (802) 457-1959. S. Deborah. Dy. Co C, 2128 Avn, S. Burlington, VT. RW Qual. FW Qual. Time: 360 Hrs.

**Thompson, Theodore T., (CWO)** (M96) (Triple) 311 W. Montclair Street, Greenville, MI 48838. Dy. (616) 754-5802. Res: (616) 225-8508. Dy. Waste Water Treatment Plant Operator, City of Greenville, RW Qual. Time: 3,500 Hrs./Cbt. 99 AM/3.

**Tilley, Paul J., (CWA)** (M94) 68 Easton Road, Newport, RI 02840. Dy. (401) 621-5409. Dy. Flight Instructor, AASF RIANG. RW Qual. FW Qual. Time: 4,300 Hrs.

**Tillman, Kerry J., (WO1)** (M95) (Sparky) 46 Kirby Street, Fort Rucker, AL 36362. Dy. (334) 255-8513. Res: (334) 503-1963. S. Lee. Dy. O Co, 1-223 Avn Regt Head Hunter. RW Qual. Time: 287 Hrs.

**Tompkins, Timmy L., (CW5)** (M91) 4 White Pine Drive, Florence, MA 01020. Dy. (413) 557-3237. Res: (413) 586-1022. S. Valerie. Dy. Supt. Maint. Test Pilot. Rtg. MTP. RW Qual. Time: 2,000 Life Member. Past Chapter Officer.

**Torres, Eliud A., (WO1)** (M96) CMR 6, Box 699, Fort Rucker, AL 36362. Res: (334) 598-9285. Dy. Student Pilot. Time: 150 Hrs.

**Touche, Joseph E., (CPT)** (M82) (Ed) 700 Minium Lane, Austin, TX 78748. Res: (512) 926-6778. S. Caroline. Dy. Cdr. Trp F, 1-24 Cav. 49 AD, Austin, TX. Rtg. SAA MTP. RW Qual. Time: 1,800 Hrs.

**Townsend, Scott A., (MAJ)** (M84) (Scotty) 2530 Coulter Street, Irving, TX 75062. Res: (214) 994-1581. S. Pamela. Dy. Inactive Ready Reserve. Rtg. AA. RW Qual. Time: 975 Hrs.

**Trapani, Brian C., (CPT)** (M95) 5359 Post Road, East Greenwich, RI 02818. Dy. (401) 278-7786. Res: (401) 885-1403. S. Katherine. Dy. Assistant Supervisor, Bank of Boston, Rtg. SAA. RW Qual. Time: 1,100. Past Chapter Officer.

**Trask, James C., (1SG)** (M88) (JT) 314 Hillside Drive, Eldridge, IA 52748. Dy. (319) 391-3635. Res: (319) 205-7742. Dy. O Co, 2nd Bn, 147th Avn. Regt., Davenport, IA.

**Tullberg, Kevin D., (1LT)** (M94) (Tully) 12601 N. Pennsylvania, Apt 287, Oklahoma City, OK 73120. Dy. (405) 232-7141. Res: (405) 751-4968. Dy. 1-155th Avn, MO Army National Guard, Whitehall AFB, MO. RW Qual. Time: 200 Hrs.

**Turkocki, William S., (CW5)** (M89) (Turk) 106 Forrest Street, P.O. Box 642, Siocomb, AL

36375. Dy. (334) 255-2332. Res: (334) 886-3564. Dy. Safety & Standardization Officer, 33rd Aviation Group (Cbt), Rtg. MAJ SIP. IFE. RW Qual. Time: 10,500 Hrs./Cbt. 800 AM/14. Life Member.

**Tymeron, John A., (COL)** (M88) (JT) 5786 Linden Court, Johnston, IA 50131. Dy. (515) 252-4305. Res: (515) 252-8720. Dy. Chief of Staff, Iowa Army National Guard. Rtg. MAJ. RW Qual. FW Qual. Time: 5,000 Hrs./Cbt. 900

**Ulmschneider, William P., (CPT)** (M94) (B) 324 Sweet Allen Farm Road, Wakefield, RI 02879-1492. Dy. (401) 783-9222. Res: (401) 783-1016. S. Kendra. Dy. VP Finance & Admin, Optigan, Inc. RW Qual. Time: 900.

**Vanbrue, William J., (CPT)** (M89) 851 Westview Drive, New Whitehall, IN 46184. Dy. (317) 392-8200. Res: (317) 535-7504. S. Stephanie. Dy. Cndr. B Co, 1-147th, Vanek, Inc. Rtg. AA. RW Qual. Time: 1,200.

**Vaneby, Josef J., (MAJ)** (M93) 28 Albert Street, Uniontown, PA 15401. Dy. (412) 439-1020. Res: (412) 437-8849. S. Susan. Dy. Flight Surgeon, 1/104 Avn (A) "1020" PAARNG. Rtg. SFS.

**Vanture, Homer S., (LTC)** (M89) (Chip) 322 Jennie Jewel Drive, Orlando, FL 32806. Dy. (407) 356-5886. Res: (407) 240-7115. S. Holly. Dy. ASO, STARC, FLARNG, Eng. Martin Marietta, Rtg. MAJ. RW Qual. Time: 2,500 Hrs.

**Van Zant, Charles E., (2LT)** (M96) (Charlie) 1103 West College Avenue, Enterprise, AL 36330. Dy. (904) 473-4011. Res: (334) 308-2176. S. Stephanie. Dy. Flight Student.

**Varela, Gilberto J., (MAJ)** (M91) (Jose) 18888 Crossroads Court, Triangle, VA 22172. Dy. (703) 693-4125. Res: (703) 221-6567. S. Leticia. Dy. Inspection Team, Chief, NGB. Rtg. AA. RW Qual. Time: 625 Hrs. Life Member.

**Varnier, Keith A., (1LT)** (M94) (Varn) 5309 N. Sapulpa, Oklahoma City, OK 73112. Dy. (405) 842-7557. Res: (405) 947-0896. S. Kathryn. Dy. Gen Mgr. SCR Ion. RW/FW Qual. Time: 500.

**Veach, William R., (MAJ)** (M89) (Bill) 507 Frontier Lane, Friendswood, TX 77546-5254. Dy. (713) 244-4396. Res: (713) 996-0122. S. Sue. Dy. Principal Eng, McDonnell Douglas. Rtg. AA. RW Qual. Time: 1,450 Hrs.

**Venzke, Elmer W., (1SG)** (M89) 2518 20th Avenue North, Texas City, TX 77590. Dy. (713) 929-2706. Res: (409) 948-9048. S. Linda. Dy. 1/149th Avn Regt, Ellington Field, Houston.

**Verbel, Seth H., (CW3)** (M93) (Seth) 1465 Barbary Avenue, St. Charles, IL 60174-4451. Dy. (312) 696-4342. Res: (630) 584-2937. S. Ruth. Dy. Pilot, RR. Rtg. AA. UT. RW Qual. FW Qual. Time: 12,000 Hrs.

**Vieth, Mark W., (CW4)** (M85) (Batman) P.O. Box 628, Fairview, MN 86033. Dy. (505) 524-6947. Res: (505) 644-7141. Dy. IRIE RAID, HQ STARC, NMARNG, Rtg. IFE SIP. RW Qual. Time: 5,000 Hrs. Life Member.

**Vincent, Gary A., (MAJ)** (M83) 275 Fairway Circle, Naples, FL 34110. Res: (941) 513-0448. S. Norma. Rtg. SAA. RW Qual. FW Qual. Time: 1,130 Hrs.

**Vogler, Louis A., (CPT)** (M87) (Lou) 29 Fowler Lane, Fort Rucker, AL 36362-2301. Dy. (334) 255-9557. S. Anna. Dy. TSM-LB, Ft. Rucker. Rtg. AA. RW Qual. Time: 1,000 Hrs.

**Vonachen, Mark A., (SGT)** (M95) (Fuzzy) 1812 N. Ontley Road, Peoria, IL 61604-3922. Dy. (309) 697-7919. Res: (309) 673-3213. S. Amy. Dy. Det 1, Co A, 1/106th Avn, Peoria, IL.

**Vostry, Robert A., (SGM)** (M89) (Bob) 560 East Seneca Avenue, Fresno, CA 93720-1618. Dy. (209) 253-7026. Res: (209) 434-0313. S. Yvonne. Dy. Avn Bde Ops Sgt, 40th ID(M).

**Wadsworth, William M., (CWA)** (M91) 8 Fenimore Drive, Clifton Park, NY 12065. Dy. (518) 786-4337. Res: (518) 371-1938. S. Mary

Ann. Dy. C12 IP, Det 20, OSAC. Rtg. MAJ SIP. RW/FW Qual. Time: 8,000 Hrs./Cbt. 1,100

**Wagner, Kent W., (CWO)** (M91) 28 Willis Street, Troy, NY 12180. Dy. (518) 785-4356. Res: (518) 271-1030. Dy. 1-142 Avn, RW/FW Qual. Time: 1,500 Hrs. Vp. Membership Enrollment, Hudson-Mohawk Chapter.

**Wagner, Scott D., (MAJ)** (M82) 4372 N. Pershing Drive, Apt. 3, Arlington, VA 22203. Dy. (703) 607-7710. Res: (703) 527-8101. S. Betsy. Dy. NGB-AVN, Arlington, VA. Rtg. SAA SIP. RW/FW Qual. Time: 2,700. Past Chapter Officer.

**Walker, J. Chris, (CW3)** (M95) (Chris) P.O. Box 80261, Tucson, AZ 85752. Dy. (520) 862-4592. Res: (520) 742-9675. S. Trudy. Dy. WAITS, Marana, AZ. Rtg. IP IFE. RW Qual. Time: 2,200 Hrs.

**Wall, Leroy A., (COL)** (M79) 4005 Flora Drive, Norman, OK 73707-5501. Dy. (405) 425-8294. Res: (405) 872-5454. S. Torriette. Dy. State Avn Off, OKARNG, Oklahoma City, OK. Rtg. MAJ IFE. SIP. RW Qual. FW Qual. Time: 11,600 Hrs. Past Chapter Officer.

**Walsh, William D., (LTC)** (M84) (Denny) 4920 Hadaway Road, Kennewas, WA 30152. Res: (770) 422-6670. Dy. Pilot, Delta Airlines. Rtg. MAJ SIP IP TP. FW Qual. Time: 14,000 Hrs./Cbt. 1,025 AM/17.

**Walters, Larry D., (SFC)** (M95) 6511 N. Elk Run Road, Waterloo, IA 50703. Dy. (319) 234-1372. Res: (319) 233-0100. S. Jane. Dy. Aircraft Armament Tech, IAARNG.

**Walz, Glen R., (SSG)** (M96) 32 Wilson Avenue, Westfield, MA 01085. Res: (413) 568-5275. S. Dawn. Dy. Aircraft Powerplant Repairer.

**Wandel, Warren V., (CWA)** (M78) 2717 Warren Lane, Fort Worth, TX 76112. Dy. (817) 496-4590. Res: (817) 496-1979. S. Dara. Dy. Air Safety Investigator, Consultant, IRR-MI, Rtg. MAJ. RW/FW Qual. Time: 3,400 Hrs./Cbt. 700 DFC, AM/13.

**Ward, Jarrod R., (1LT)** (M93) 123 E. College Street, Murfreesboro, TN 37130. Dy. (615) 634-8018. Res: (615) 347-2674. S. Kim. Dy. TNARNG, CECAT. RW Qual. Time: 400 Hrs.

**Warrington, Howard L., (CWA)** (M94) 567 Bayport Avenue, Bayport, NY 11705. Dy. (516) 568-2552. Dy. Instructor Pilot, NYARNG. Rtg. SIP. RW Qual. Time: 5,200 Hrs./Cbt. 902 Vp. Membership Renewals, MacArthur Chapter. Past Chapter Officer.

**Washington, Hugh W., (CPT)** (M92) 2330 SW Willston Road, Apt. 827, Gainesville, FL 32608. RW Qual. FW Qual. Time: 2,010 Hrs.

**Waters, Daniel R., (1LT)** (M95) 3230 Wendeck Road, Apt. 107, Sparks, NV 89431-1066. Dy. (702) 972-2721. Res: (702) 359-0218. S. Kimberly. Dy. Supervisor, MTP, Maint. Officer, Reno-Stead Airfield, Reno, NV. Rtg. MTP. RW Qual. Time: 450 Hrs.

**Waters, Timothy A., (MAJ)** (M95) (Tim) 28 Redwood Drive, Highland Mills, NY 10930. Dy. (914) 528-3737. Res: (914) 528-8759. S. Anita. Dy. East Coast Training Director, Old World Industries. RW/FW Qual. Time: 1,100 Hrs.

**Watts, Gary L., (CWO)** (M91) (Heywood) P.O. Box 1241, Modesto, CA 95353-1241. Res: (209) 572-2549. S. Edna. Dy. (518) 801-1128 Avn (LPH), Stockton, CA. Rtg. MTP. RW Qual. FW Qual. Time: 600 Hrs.

**Waugh, Donald C., (COL)** (M91) (Don) 4 Acreswood Hwy, Annapolis, MD 21810. Dy. (508) 902-2074. Res: (508) 470-2875. S. Nancy. Dy. Medical Director, Lucant Technologies, North Andover, MA. Time: 350 Hrs.

**Weachock, Michael J., (1LT)** (M91) (Wheat) 5635 Cypress Court, Westville, OH 43085. Dy. (614) 438-3014. Res: (614) 882-4852. Dy. O Co, 137th Avn Bn, Rockwellbacker ANG, Columbus, OH. Rtg. AA MTP. RW Qual. FW Qual. Time: 600 Hrs.



Weaver, Glenn A., (2LT) (M96) 35 Edwards Street, Fort Rucker, AL 36362. Res: (334) 598-9662. S: Elizabeth. Dy: Flight School Student.

Weaver, Martin E., (LTC) (M95) 20 Rosedale Drive, Stafford, VA 22554. Dy: (703) 806-7148. Res: (540) 288-0298. S: Vickie. Dy: S3. OSACOM, Fort Belvoir, VA. RW Qual. FW Qual. Time: 11,000 Hrs. AM36.

Webb, Jesse H., (1LT) (M90) 1284 Blue Heron Lane, Jacksonville Beach, FL 32250. Dy: (904) 641-6003. Res: (904) 631-8989. S: Cathy. Dy: B Co, 1/111 ABW, Craig Airfield, Jacksonville, FL. RW Qual. Time: 800 Hrs.

Weber, Eric C., (CPT) (M92) (Ric) 40 Baker Street, Gansevoort, NY 12831-2444. Dy: (518) 788-4545. Res: (518) 695-4340. S: Christine. Dy: HQ, NYARRG. Rtg: MTP. RW Qual. Time: 900 Hrs. Life Member.

Weidemeyer, John H., (1LT) (M89) (Weedy) 2418 Rippledwood Drive, Conroe, TX 77384. Dy: (409) 525-3378. Res: (409) 321-1259. S: Kristy. Dy: 76th Cav Regt, B Troop, Conroe, TX. RW Qual. Time: 615 Hrs.

Wells, John C., (LTC) (M93) 2 Kathleen Drive, Huntington, CT 06484. Dy: (203) 928-0318. Res: (203) 929-5422. S: JoAnn. Dy: Avn Chief, 78th Div, Cranston, RI. RW Qual. Time: 1,500.

Wertheim, Joshua A., (LTC) (M90) (Jack) 355 Pipe Stone Hollow, Miller Place, NY 11764. Dy: (516) 854-7300. Res: (516) 928-7696. S: Laura. Dy: Suffolk Co, NY Police SGT., 12th Bn, CGSOC, 98th Regt, 98th Div(1). Rtg: SAA. RW Qual. Time: 1,800 Hrs. Treasurer, MacArthur Chapter.

Westerdahl, William, (MG) (M88) (Bill) 5881 S. Hannibal Way, Aurora, CO 80015. Dy: (303) 397-3023. Dy: Adjutant General, Colorado Rpt. AA IP TP. RW Qual. FW Qual. Time: 9,700 Hrs. Cdt 800 DFC1, AM12.

Wewood, Michael F., (CSM) (M91) (Mike) RD 1, Box 1839, Jonestown, PA 17038. Dy: (717) 861-8813. Res: (717) 865-5333. S: Patricia. Dy: CSM, 1-104th Cav Sqdn, PARRNG, FTG.

Wheeler, Charles D., (CW4) (M87) 194 Rutledge Road, Charleston, WV 25311. Dy: (304) 341-6368. Res: (304) 342-4274. S: Karen. Dy: Adjutant General, State of WV, Army Facilities Manager, Rtg: SAA. RW Qual. FW Qual. Time: 3,000 Hrs.

Whitford, Robert P., (CW3) (M92) (Bob) P.O. Box 2976, Boston, MA 02101-2976. Dy: (617) 478-2040. Res: (601) 567-0295. Dy: Controller, Sullivan Proprietor, Rtg: MAA. RW Qual. FW Qual. Time: 4,400 Hrs. Cdt 1,300 DFC1, AM52.

Whitt, Eddie H., (CW4) (M96) (P.O. Box 2433, Abingdon, VA 24212-2433. Dy: (540) 676-6534. Res: (540) 676-2448. S: Reba. Dy: Det 26, Operational Support Airt Command, Sandston, VA. Rtg: SAA. RW Qual. Time: 3,800 Hrs.

Webb, Dennis R., (CJ2) (M91) (Pols) 8461 Dogwood Drive, San Andreas, CA 95249. Dy: (209) 983-5330. Res: (209) 738-0420. S: Erin. Dy: Ch-1 Pilot, D Co, 1/112 LUH, Stockton, CA. RW Qual. Time: 550 Hrs.

Wilcoxson, Alan V., (CPT) (M89) 63 Vista Drive, Shelton, CT 06484. Dy: (860) 627-4850. Res: (203) 626-8992. S: Lynn. Dy: B Co Cdr, 2128th Avn Regt, CTARRG, Windsor Locks, CT. Rtg: SAA. RW Qual. Time: 1,100 Hrs. Cdt 800 DFC1, AM11, TV.

Wilkinson, James P., (CW2) (M92) (Jim) 2653 Parklawn Drive, Brighton, MI 48116-8639. Dy: (517) 627-0155. Res: (810) 229-6120. S: Robyn. Dy: A Co, 1-23d Avn Regt, Grand Lodge, MI. RW Qual. Time: 1,200 Hrs.

Wilkinson, Gary W., (SFC) (M89) 1380 Meadowbrook Lane, Lebanon, PA 17046. Dy: (717) 861-8929. Res: (717) 865-5705. S: Karen. Dy: Eastern ARNG Avn Trng Sta, Ft. Indiantown Gap, Annville, PA. Treasurer.

#### Indiantown Gap Chapter.

Wilkinson, Robert M., (CPT) (M88) (Bob) 2821 Vernon Court, Woodridge, IL 60517-1362. Dy: (312) 648-7444. Res: (708) 810-9882. S: Christine. Dy: Executive Officer, Co E, 100th Avn Regt, Midway Airport, Chicago, IL. Rtg: AA MTP. RW Qual. Time: 800 Hrs. Life Member. Senior Vice President, Greater Chicago Area Chap. Past Chapter Officer.

Williamson, Brian S., (SSG) (M94) 1 Cayuga Avenue, Rockaway, NJ 07866. Dy: (201) 724-7849. Res: (201) 983-0388. Dy: Readiness NCO, B Co, 1/150th Avn, Pottsville Arsenal, NJ.

Williams, Jesse J., (MAJ) (M90) 12797 Merrilbrook Drive, St. Louis, MO 63033. Dy: (800) 325-4118. S: Debra. Dy: Personnel Management Officer, Rtg: 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. Rtg: MAA IP. RW Qual. FW Qual. Time: 16,000 Hrs. Cdt 1,615 DFC1, AM39.

Williams, William W., (CW4) (M92) (Bill) 75 Division Road, W. Greenwich, RI 02817. Dy: (401) 621-5415. S: Dale. Dy: Standardization Instructor Pilot, 5/117 Cavalry, D Troop, RIARRG, Rtg: MAA IFE SIP. RW Qual. Time: 3,000 Hrs. Cdt 969 AM34.

Wingard, Gary L., (SGM) (M95) 1693 Brian Way, St. Augustine, FL 32086-9205. Dy: (904) 641-6003. Res: (904) 829-6729. S: Carolyn. Dy: Sr. Act Maint. Sgt. SAAD, STARRG-FLARRG.

Wold, Robert S., (CW3) (M92) (Bob) P.O. Box 62, No. 9 Clark Street, Philadelphia, PA 19373. Dy: (315) 772-7533. Res: (315) 642-0622. S: Cheryl. Dy: Maintenance Test Pilot, UNC Lear Services, Rtg: MTP. RW Qual. Time: 3,000.

Wolf, Steven F., (CPT) (M92) 9704 Briardell Lane, Ellicott City, MD 21042. Dy: (410) 859-9080. Res: (410) 730-7126. Rtg: AA. RW Qual. FW Qual. Time: 600 Hrs.

Wolf, Wilbur E., (CPT) (M85) 66 Scrabbletown Road, North Kingstown, RI 02852. Dy: (401) 849-2570. Res: (401) 295-2947. S: Army. Dy: Management/Environmental Consultant, KPMW Pest Marwick, Rtg: SAA. RW Qual. FW Qual. Time: 1,400 Hrs. Past Chapter Officer.

Wolfs, Christopher, (SFC) (M91) (Chris) 421 Renne Drive North, Jacksonville, FL 32218. Dy: (904) 641-8377. Res: (904) 757-4895. S: Leisa. Dy: Operations NCO, HQS 1-111th Avn. Regt. V. Membership Enrollment, America's First Coast Chap.

Wood, Robert P., (SGT) (M89) (Woody) 266 Central Street, Central Falls, RI 02863-2707.

Woods, Mindee, (2LT) (M90) 507 Briarwood Drive, #1C, Enterprise, AL 36330. Res: (334) 347-4118. Dy: Student, Fort Rucker, AL. RW Qual. Time: 150 Hrs.

Wright, William R., (CPT) (M88) (Bill) 1122 S. Chilton Avenue, Tyler, TX 75701. Dy: (903) 592-5330. Res: (903) 592-5330. Dy: Kendall Healthcare Products Company. Time: 750 Hrs.

Wulf, David H., (SGT) (M95) 115 Cascade Court, Apt. 10, Princeton, NJ 08540. S: Ingrid. Dy: Analyst, Center for Claims Resolution.

Wunder-Myers, Kristine M., (1LT) (M87) 12870 Mayflower Court, Riverside, CA 92503. Dy: (310) 795-2448. Res: (909) 279-4701. S: Stephen. Dy: 2nd Pt. Platoon Leader, Co C, 2/140th Avn, Los Alamitos, CA. RW Qual. Time: 300 Hrs.

Yarrick, Earl M., (LTC) (M95) 43 Eastpine Court - Columbia, SC 29212. Dy: (803) 776-7030. S: Kimberly. Dy: Supervisory Instructor Pilot, AASF, Eastover, SC. Rtg: IP. RW Qual. Time: 2,600 Hrs.

Yoder, Dale A., (CW3) (M91) 2558 Long Lane, Lebanon, PA 17046-1710. Dy: (717) 861-8688.

Res: (717) 270-4379. S: Missy. Dy: Eastern AATS, Fort Indiantown Gap, PA. Rtg: SAA SP. RW Qual. Time: 3,400 Hrs. Life Member.

Zettler, Mark W., (SGT) (M96) 9650 Hamson Street, Davenport, IA 52804. Dy: (319) 391-8344. Res: (319) 324-1269. Dy: Avionics Mechanic.

Zelman, Russell H., (LTC) (M91) (Doc) HC 65, Box 66, Bovina Center, NY 13740. Dy: (518) 427-5921. Res: (607) 832-4869. S: Lorna. Dy: Physician/Surgeon, Flight Surgeon, H4D, STARRC, NY. Time: 150 Hrs.

Zetti, Ann M., (SGT) (M91) 341 College Avenue, Lancaster, PA 17602. Dy: (717) 805-8855. Res: (717) 393-6977. S: Ralph. Dy: EAATS, Flight Medic, Eastern AATS.

Zimmer, William J., (CSM) (M91) (Bill) 27 Piedmont Hill Road, Huntington Station, NY 11746. Dy: (516) 447-0678. Res: (516) 423-8081. S: Carole. Dy: Avn Bde, 42nd ID, Patchogue, NY, Avn Bde CSM/ARRG Technician.

#### HIGH TIMERS

CWI David W. Sullivan	21,815
CW4 Gavin Scott Bergoy	20,000
CW4 John A. Williams	16,000
CW5 John V. Fowler	15,732
CW4 Joseph M. Hardy, Jr.	15,450
CW4 Don Dary Goble	14,220
COL Van T. Beach	14,000
LTC William D. Walsh	14,000
CW4 Vincent A. Balocchi, Jr.	13,200
CW5 John A. Clark	13,000
CW4 David H. Lee	13,000
CW4 Corey J. Ferguson	12,200
CW5 Clarence R. Clarkson, Jr.	12,150
CW2 Ray R. Norris	12,000
CW3 Seth H. Verbel	12,000
COL Leroy A. Wall	11,600
CW4 Casto L. Brewer	11,400
LTC Gregory N. Beaman	11,000
CW4 Joseph A. Lopes	11,000
COL Dennis J. Lord	11,000
CW4 Harlan G. Sparrow, III	11,000
LTC Martin E. Weaver	11,000
CW5 Richard D. Nelson	10,500
CW5 William S. Turkoski	10,500
CW4 Jeffrey P. Borges	10,400
CW4 Alton L. Maurais	10,300
LTC Robert A. Bean, Jr.	10,010
CW5 Thomas E. Borolough	10,010
COL Jose F. Campos	10,000
MAJ Kenneth J. Grogan	10,000
CPT Michael D. Hendrix	10,000
CW4 Angelo Speller	9,750
MG William Westerdaht	9,700
CW4 Joe Deaver, Jr.	9,393
COL Gary E. Bekay	9,307
CW2 Duane R. Proven	9,286
CW4 Bruce A. Botzger	9,000
CW5 Larry R. Pucci	9,000
CW5 Michael L. Schallow	9,000
CW4 Dennis P. Shipman	9,000
LTC William A. Simpson	9,000
COL Ray L. Thompson	8,800
LTC John C. Holland	8,500
COL Robert D. Mabey	8,500
CW4 James L. McKinley	8,500
COL Thomas J. Shalor	8,500
MAJ Timothy C. Kelly	8,100
COL Eric W. Braman	8,000
MG Robert J. Brandt	8,000
CW5 Donald A. Burley	8,000
COL James D. Holden	8,000
CW4 Charles H. Homeyer	8,000
COL Joseph G. Labrie	8,000
CW2 David L. Meyers	8,000
CW3 Gwen N. Schallow	8,000
LTC Robert L. Sides	8,000
LTC William H. Smith	8,000
CW4 Maris Stronks	8,000
CW4 William M. Wadsworth	8,000
COL Matthew C. Brockway	7,900
CW4 Thomas J. Davis	7,800



# ARRIVALS DEPARTURES



## Lt. Colonels

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Hendrickson, David N., 320 W. Quigley Street, Mundelein, IL 60060.

Negard, Michael J., P.O. Box 2320, Bandera, TX 78003.  
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Salyer, H. Allen, 3104 South Elder Avenue, Broken Arrow, OK 74012.

Stewart, Daniel S., HHC, 2-52 Avn Regt, Unit 15188, APO AP 96271.

## Captains

Maloy, Curtis J., Route 8, Box 229, Ozark, AL 36360.

Nerstheimer, Michael E., 212 Naples Road, Seaside, CA 93955.

Smith, Don E., G Co. 52nd Avn Regt, Unit 15566, Box 474, APO AP 96297.

Todd, Thomas H., 299 A Bizerle Road, Fort Lee, VA 23801.

## 1st Lieutenants

Dennis, Ben Hideo, 509th PSB, APO AP 96224.  
Hoge, Jason L., C Troop, 3-6 Cav, Unit 15712, APO AP 96271.  
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Kessler, Mark D., 101 Twin Creek Drive, No. 1202, Killeen, TX 76543.

Maluccio, Mark N., P.O. Box 620721, Fort Rucker, AL 36362.  
Verhulst, Kenneth J., CMR 477, Box 502, APO AE 09165.

## 2nd Lieutenants

Butora, John A., C7-158 Avn Regt., CMR 408, Box 1431, APO AE 09182.

## CW5s

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Glover, Jodie R., 2100 Azalea Drive, Killeen, TX 76541.

Wernli, Paul W., 121 Woodward Avenue, Rutherford, NJ 07070.

## CW4s

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## CW3s

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Rodrigues, John, 17 Johnson Street, Fort Rucker, AL 36362.

Weaver, Donald R., 508 Candlewood Drive, Enterprise, AL 36330.

## CW2s

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Barenoffo, Anthony F., B Co. 3rd MI BN, Unit 15219, Box 4494, APO AP 96271.

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Cox, Lori J., 1208 Kathy Drive, Killeen, TX 76542.

Owens, Stacy L., 96 Fannie Morris, Daleville, AL 36322.

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### Statement of Ownership, Management, And Circulation (Required by 39, U.S.C. 3685)

Title of publication: Army Aviation (ISSN 0004-248X). Date of filing: October 1996. Frequency of issue: Monthly, except April and September (10). Annual subscription price: \$25.00. Location of known office of publication: 49 Richmondville Avenue, Westport, CT 06880-2000. Location of headquarters or general business office of the publisher: Same. Publisher: Lynn Coakley, 49 Richmondville Avenue, Westport, CT 06880-2000. Editor: William R. Harris, Jr. Managing Editor: None. Owner: Lynn Coakley, 168 Long Lots Road, Westport, CT 06880. Known bondholders, mortgagees, and other security holders owning or holding 1% or more of the total amount of bonds, mortgages or other securities: None.

The average no. of copies each issue during the preceding 12 months, and the actual number of copies of the issue published nearest to the filing date (latter appears in parenthesis) were: a. Total No. Copies (Net Press Run): 15,810 (15,500); b. Paid Circulation: (1) Sales through dealers, carriers, street vendors, and counter sales: NA (NA); (2) Paid or Requested Mail Subscriptions 14,639 (14,096); c. Total Paid and/or Requested Circulation: 14,639 (14,096); d. Free distribution by mail: Samples, complimentary, and other free copies: 408 (445); e. Free Distribution Outside the Mail (Carrier or Other Means): 485 (750); f. Total Free Distribution (sum of 15d and 15e): 893 (1,195); g. Total Distribution (sum of 15c and 15f): 15,532 (15,291); h. Copies Not Distributed (1) Office Use, Leftovers, Spoiled: 278 (209); (2) Return from News Agents: NA (NA); i. Total (Sum of 15g, 15h(1), and 15h(2)): 15,810 (15,500); Percent Paid and/or Requested Circulation (15c/15g x 100): 93% (91%).

I certify that the statements made by me in this statement and dated September 24, 1996 are correct and complete.  
Lynn Coakley, Publisher

# President's Message

*(Thirteenth in a Continuing Series)*  
MG Richard E. Stephenson, Ret.

The AAAA National Executive Board (NEB) meeting of October 14, 1996 in Washington, DC was held as usual in conjunction with the annual AUSA convention. Unfortunately, we fell just short of a quorum for action, but we did receive three informational reports.

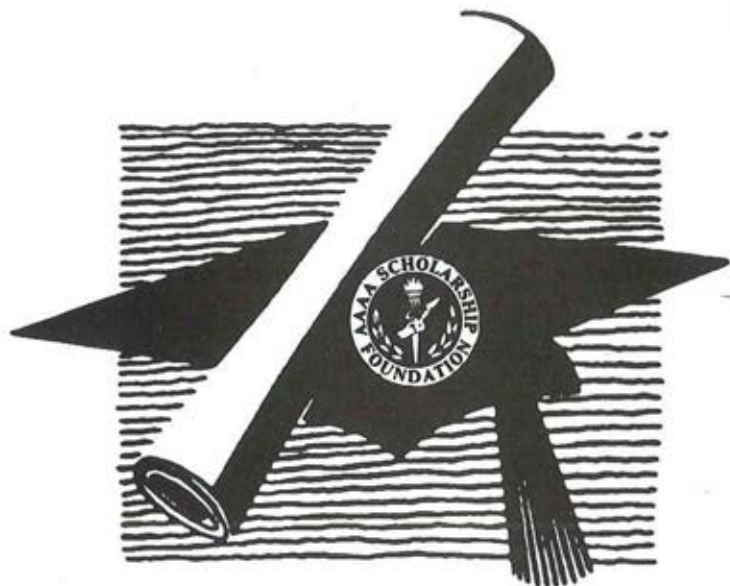
The minutes of the NEB meeting will reflect a report from the Fiscal Committee, wherein it was reported that we are providing for financing the new AAAA-hired Executive Director and are overall in much better financial shape than last year. This is primarily due to strong exhibit sales and cost cutting at the Annual Convention. We also received a report from the Contract Review Committee (CRC) Chairman, Dave Robinson, wherein it was reported that he has met with the AAPI President. Discussions have centered on which functions will be performed by the AAAA-hired Executive Director and which will remain with AAPI, as well as settling the length of the contract term between AAAA and AAPI. Currently we are in the second year of a five-year, annually renewable contract. Additionally, Bill Harris briefed on membership and strategies to move out with a grow it fast campaign. MG Dan Petrosky and CSM Marvin Horne attended the meeting and MG Petrosky offered his most positive and favorable comments to AAAA and those present. The next meeting will be in conjunction with his 1997 Brigade Commander's Conference at Ft. Rucker, AL on January 14, 1997, blizzards or not! I'm now down to two NEB meetings on my watch. I hope to bring the NEB to closure on appointment of the AAAA Executive Director and a new AAAA-AAPI contract, both of which must be voted on by the NEB.

The second annual Aviation Symposium in Washington, DC, for 27-28 January 1997 (co-sponsored by AUSA and AAAA), is virtually upon us and *does* conflict with the 24th Annual Joseph P. Cribbins Product Support Symposium (PSS), 29-31 January in St. Louis, MO. The conflict, or better yet, duplication, is in guest speakers, industry representation, and audiences in general. Ideally, the Washington affair should be the second week of January each year; the PSS should be the last week in January or the first week of February, where it has been for the last 24 years. AAAA and AUSA are pledged to work toward that sequence into the future. We regret the inconvenience that has arisen and urge all hands to put as positive a spin on the 1996-7 realities as we can. Please support both and keep in mind that this is the last symposium to be held in St. Louis due to the impending ATCOM move to Huntsville. The Aviation and Missile Command (AMCOM) consolidation will be official on or about 1 October 1997. MG Gibson and MG Link have agreed to contribute editorials in upcoming issues of ARMY AVIATION Magazine to help all of us better understand the intricacies of such a move, which should yield a value-added command for both mission areas ... aviation and air defense/missiles.

Lots of good stuff possibly emerging from the midst of another national election, another top-down (Quadrennial Review) DoD retrospective projection into the future (oxymoron 101), and a world of regional instability and uncertainly more pronounced than ever in the past 40-50 years ... *trained and ready soldiers do make the difference!*



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for complete details.

**Application Deadline: May 1, 1997**

## The AAAA Joseph P. Cribbins Product Support Symposium/ ATCOM Advance Planning Briefing to Industry

The 23rd Joseph P. Cribbins Product Support Symposium (PPS) will be held in St. Louis, MO at the Renaissance Hotel at the airport on 29-31 January 1997. The Symposium is also an ATCOM Advance Planning Briefing to Industry (APBI) where business opportunities will be covered in briefings by personnel in ATCOM and the Aviation Program Executive Office (PEO). The symposium is designed to address the issues desired by industry attendees and to allow for government-industry exchange of ideas.

The theme this year is "Army Aviation: A Leader of Change". An outstanding Keynote Speaker will be Mr. John F. Phillips, Deputy Under Secretary of Defense for Logistics. The Industry Keynote Speaker will be Mr. Dennis R. Little, Vice President and General Mana-

ger, Military Engine Operations, General Electric. MG Emmitt E. Gibson, Commanding General, ATCOM, and MG Daniel J. Petrosky, Commanding General, USAAVNC and Ft. Rucker, AL, will also be featured speakers.

The Lindbergh Chapter of AAAA, ATCOM, and the Aviation PEO believe that an interesting and informative program has been developed. Your early registration and attendance are encouraged.

The 1997 ATCOM Competition Advocate Shopping List (CASL) Workshop and Spare Parts Symposium will precede the AAAA PSS at the Renaissance Hotel on 27-29 January 1997. There will be information about the ATCOM CASL Program, Technical Data Packages, Overhaul, Source Approval Requests, and other related subjects.

### WEDNESDAY, 29 JANUARY 1997

1500-1900 Registration and Ticket Sales  
1700-1900 Early Bird Reception

### THURSDAY, 30 JANUARY 1997

0700-1600 Registration and Ticket Sales  
0700-0800 Continental Breakfast

#### Morning Session

0800-0815 Opening Remarks  
Daniel J. Rubery, President  
AAAA Lindbergh Chapter

0815-0900 Government Keynote Speaker  
Honorable John F. Phillips  
Deputy Under Secretary of  
Defense for Logistics

0900-0945 Industry Keynote Speaker  
Dennis R. Little, VP&GM,  
Mil. Engine Operations,  
General Electric

0945-1015 Break

1015-1115 ATCOM Briefings  
CG and Executive Directors,  
Acq. Ctr, IMMC, and AVRDEC,  
Deputy Director, ARNG.

#### Lunch

1130-1330 Luncheon with Speaker  
MG Daniel J. Petrosky,  
CG, USAAVNC

#### Afternoon Session

1330-1445 ATCOM Briefings Continued  
1445-1515 Break  
1515-1600 ATCOM Briefings Continued  
1600-1630 Q&A Session

#### Evening Session

1830-1930 Reception  
1930-2045 Dinner  
2045-2200 Awards Presentation and  
Guest Speaker

### FRIDAY, 31 JANUARY 1997

0700-0800 Continental Breakfast  
0800-0915 Aviation PEO Briefings  
Program Executive Officer,  
Aviation and PMs for Apache  
Attack Helicopter, Aviation  
Electronic Combat, Aircrew  
Integrated Systems, Kiowa  
Warrior, Utility Helicopters,  
Comanche

0915-0945 Break

0945-1130 Aviation PEO Continued  
1130-1200 Q & A Sessions  
Closing Remarks  
Daniel J. Rubery, President  
AAAA Lindbergh Chapter





**1997 AAAA Joseph P. Cribbins  
Annual Product Support Symposium/  
ATCOM Advance Planning Briefing for Industry  
Advance Registration Form**



RENAISSANCE HOTEL \*\* ST. LOUIS, MO \*\* 29 - 31 JANUARY 1997

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COMPANY ADDRESS: \_\_\_\_\_

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OFFICE PHONE: Voice: ( ) \_\_\_\_\_ Fax: ( ) \_\_\_\_\_  
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AAAA Member  Yes  No Would you like to join AAAA? Please mark membership line below.

If you work for a Defense Contractor on a Full-Time, Part-Time or Consulting basis, you are **NOT** eligible for Govt/Mil registration fee, even if you are retired military.

	29 - 31 Jan 97 REGISTRATION *	PROCEEDINGS MANUAL	30 Jan 97 LUNCHEON	30 Jan 97 BANQUET	1 YEAR MEMBERSHIP	TOTAL PAID
<b>AAAA Member</b>						
INDUSTRY FEES	_____ \$210	(Included)	(Included)	(Included)	_____ \$21	\$ _____
GOVT/MIL FEES	_____ \$25	(Included)	_____ \$15	_____ \$25	_____ \$21	\$ _____
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INDUSTRY FEES	_____ \$235	(Included)	(Included)	(Included)	_____ \$21	\$ _____
GOVT/MIL FEES	_____ \$30	(Included)	_____ \$20	_____ \$30	_____ \$21	\$ _____
SPOUSE FEES	N/A	N/A	_____ \$15	_____ \$25		\$ _____
Late Registration Fee:	_____ \$25	(Postmarked or faxed after 22 Jan 97)				\$ _____
CIRCLE FORM OF PAYMENT:	Cash	Personal Check	Business Check	Grand Total		\$ _____

\* Registration includes Proceedings Manual, Early Bird Reception and two continental breakfasts.

**MAKE CHECK PAYABLE TO: AAAA PRODUCT SUPPORT SYMPOSIUM**  
 IF CANCELLATION IS NECESSARY, REFUNDS OF REGISTRATION FEES WILL BE PROVIDED ONLY UPON RECEIPT OF:  
**WRITTEN NOTICE OF CANCELLATION - POSTMARKED NO LATER THAN 22 JANUARY 1997**  
 ALL PAYMENTS NOT RECEIVED BY CLOSE OF REGISTRATION WILL BE BILLED

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PLEASE RETURN COMPLETED REGISTRATION FORM AND FORWARD WITH APPROPRIATE FEES MADE PAYABLE TO:  
**AAAA PRODUCT SUPPORT SYMPOSIUM**

INDUSTRY PSS Inquiries/forms and fees should be directed to Nancy Vermillion at (314) 427-6707, FAX (314) 427-2501 or sent to: AEPKO, Inc. 4433 Woodson Ste 200 St. Louis, MO 63134

GOVERNMENT PSS Inquiries/forms and fees should be directed to Susan Barnes at (314) 263-5311, FAX (314) 263-5315 or sent to: AMSAT-I-Z 4300 Goodfellow Blvd St. Louis, MO 63120

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SSG Rich L. Pennington

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HONOLULU, HI**  
2LT Gretchen B. Hiemstra  
CW4 P. J. Young

**ARIZONA  
MESA, AZ**  
MAJ Patrick J. Garman

**AVIATION CENTER  
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WO1 Heather R. Amelt  
2LT Francisco R. Baez  
2LT Phillip C. Baker  
WO1 Peter E. Barr  
2LT James A. Birmingham  
1LT Benjamin S. Blackwell  
WO1 Charles R. Boyer  
2LT Corey A. Braddock  
2LT Christopher M. Buck  
Ms. Rose M. Buckley  
1LT Kyle J. Burrow  
2LT Matthew P. Champion  
2LT Young D. Chase  
2LT Bo S. Cockrell  
SSG Thomas B. Deaton  
2LT Shawn C. Dinsmore  
2LT Marc L. Dorrer  
2LT Stephen M. Gilbertson  
2LT Jeremy M. Godwin  
2LT Darin L. Griffin  
2LT Benjamin K. Grimes  
2LT Alan R. Gronewold  
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WO1 Annessa G. Jones  
2LT Jeffrey A. Kall  
2LT Brian F. Kenady  
2LT Todd K. Kickbusch  
2LT Todd R. Kishpaugh  
2LT Charles W. Koon  
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2LT Frederick D. Ledfors, Jr.  
2LT Shane F. Liptak  
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WO1 Todd M. O'Donnell  
WO1 Howard B. Reiney  
2LT Kirk M. Ringbloom  
WO1 Duane E. Sandbothe  
2LT Todd Schultz  
2LT Jamad N. Smith



## NEW MEMBERS



CW2 George K. Snyder, Jr.  
2LT Thomas M. Stevenson  
2LT Eric J. Stoner  
WO1 Scott A. Tucker

**BAVARIAN  
HOHENFELS, GERMANY**

CW2 Martin B. Halstead

**BLACK KNIGHTS  
WEST POINT, NY**

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SFC Daniel R. Maust  
CW3 Edward R. Steltin

**CENTRAL AMERICAN  
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CW2 Kevin D. Ballard  
PFC Matthew R. Plommer  
SGT Ryan S. Staggs

**CORPUS CHRISTI  
CORPUS CHRISTI, TX**

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Mr. Elaine Barnes  
Mr. Michael L. Barton  
COL Andy Carver, Ret.  
Mr. Pete Chavers  
Mr. Dennis R. Collins  
Mr. Kresten L. Cook  
Mr. Michael J. Galloway  
Ms. Delia G. Gonzales  
Mr. Dan Grzelecki  
COL Robert Hanover, Ret.  
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Mr. Bill Hennings  
Mr. John O. Lehman  
Mr. Scott Nast  
Ms. Adela V. Ornelas  
Mr. David L. Peters  
Mr. Michael A. Ramirez  
Mr. Timothy H. Saunders, Sr.  
Ms. Elizabeth I. Schlieper  
Ms. Rheta R. Snow  
Mr. Stanton Dwayne Stewart  
CAPT Richard W. Strickler, USN  
Mr. Wayne E. Sykora  
Mr. Jose C. Vela  
Ms. Dianne L. Warren

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CW3 Gary W. Hutchinson  
SGT Clifford L. Moerer

**GREATER CHICAGO AREA  
CHICAGO, IL**

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SPC Emey Salamando  
SGT Dina E. Vardal

**HIGH DESERT  
FORT IRWIN, CA**

CPT David J. Francis

**IRON MIKE  
FORT BRAGG, NC**

MAJ David L. Manville

**JACK H. DIBRELL (ALAMO)  
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**LINDBERGH  
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**MacARTHUR  
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SSG Kenneth L. Stout

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FORT MONMOUTH, NJ**

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Mr. Paul J. Capelli  
Mr. William H. Carl  
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Mr. Bob H. Huft  
Mr. Harry G. Ivory, Jr.  
Mr. Kenneth S. Rauscher  
Mr. Laurence P. Rubel  
Mr. Michael A. Travisan  
Mr. Lewis A. Whitaker

**MORNING CALM  
SEOUL, KOREA**  
LTC Dae Ryong Moon

**NARRAGANSETT BAY  
N. KINGSTOWN, RI**  
SGT Steven R. Adams

**NORTHERN LIGHTS  
FORT WAINWRIGHT/  
FAIRBANKS AK**  
CW2 Stephen J. Buchanan

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CW2 Richard O. Canino  
1LT Fayoell D. Conner  
Mr. Rene Garcia, Jr.  
CW2 Terry L. Hester  
CW2 Jessie P. Scruggs  
CPT Allen D. Soukup  
Mr. James E. Thompson

**POTOMAC  
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MAJ Brian P. West

**RHINE VALLEY  
MANNHEIM, GERMANY**

Mr. Lorane Green

**SAVANNAH  
FT STEWART/HAAF, GA**

SPC John D. Oubre  
CW4 James L. Wilman

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**TAUNUS  
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MAJ Joseph Ciampini

**WASHINGTON DC  
WASHINGTON, DC**

Ms. Patricia Buckland  
Ms. Virginia L. Oleszek  
Ms. Annette M. Rose  
MAJ Mark L. Shelton

**WINGS OF THE MARNE  
ANSBACH, GERMANY**

CPT D. Heath Williams

**MEMBERS WITHOUT  
CHAPTER AFFILIATION**

Mr. Peter S. Ballard  
LTC Gary L. Evans  
CW2 Patrick A. Garraro  
Mr. Stephen H. Greene  
Mr. Curtis R. Gresham  
Mr. William R. Higgins  
Mr. David Holmes  
Mr. David R. Humphries  
Mr. Arnon Katz  
Mr. Tom F. Morrish  
CDR Angus H. Rupert  
CW4 Clyde H. Smith  
CDR Tim Vogel, Ret.  
CPT Gary R. Wegmann



**New AAAA  
Chapter Officers**

**Aloha:**  
MAJ Thomas W. Johnson (SrVP); CW5 Raleigh L. Voight, Jr. (Secy); CSM Leon Hite, Jr. (VP, Enlisted Affairs).

**Arizona:**  
Charles A. Vehlou (Pres); LTC David P. Miller (SrVP); John E. Penny-packer, Jr. (Treas); LTC Philip A. Mooney, Ret. (VP, Prog); MAJ Richard B. Pennyquick (VP, Mil. Aff); COL Arthur A. Armour (VP, Ind. Aff).

**Armadillo:**  
CW4 Floyd E. Christian (VP, Prog); CW4 Michael Plankis, Jr. (VP, Memb).

**Bavarian:**  
MAJ Charles A. Jumper (VP, Awards); CPT Frank M. Muth (VP, Programs).

**Black Knights:**  
MAJ Rex A. Russell (Pres); MAJ Keith R. Darrow (VP, Membership).

**Central American:**  
LTC Robert N. Townsend (Pres); CW3 Curtis M. Anderson (Secy); CPT Lawrence T. Zaben, Jr. (Treas); CPT Manuel Gonzalez (VP, Prog); CSM Gabriel Villaseñor (VP, NCO Aff); CW3 Steven D. Ferguson (VP, Honduras).

**Connecticut:**  
Ronald B. Kwalek (Secy); MAJ William P. Shea (VP, Military Affairs).

**Corpus Christi:**  
Lawrence Simone (SrVP).

**Delaware Valley:**  
William G. Miller (SrVP).



Above: On the occasion of his departure as CINC, United Nations Command and United States Forces Korea, GEN Gary E. Luck was presented the Order of St. Michael Gold Award by representatives of the Morning Calm Chapter. From left to right: LTC Neal Petree, LTC Snookie Parker, Mr. John Bae, GEN Luck, Mr. Lee Byung Suk, and Mr. J.K. Lee. GEN Luck retired with over 36 years service.

Below: Darnall Army Community Hospital Commander COL James W. Kirkpatrick (left) and Medal of Honor holder MG Patrick Brady, Ret., (right) unveiled the monument to Dustoff pilots during the Dustoff Park dedication ceremony held at the Ft. Hood, TX hospital on 12 June 1996. MG Brady received the Medal of Honor for evacuating 51 seriously wounded soldiers on 6 January 1968 while under enemy fire.



**High Desert:**

MAJ Elizabeth J. Higgins,  
CPT John W. Amick  
(Executive VPs).

**Leavenworth:**

COL Albert E. Bryant  
(Pres); MAJ Thomas J.  
Boyle (SrVP); MAJ John S.  
Kane (Secy); MAJ Oren L.  
Hunsacker (Treas); MAJ  
Wayne A. Parks (VP,  
Programs).

**Mid-America:**

CW5 Bruce A. Thomas  
(VP, Memb); CW2 Dino B.  
Sorter (VP, Renewals).

**Minuteman:**

CPT Timothy J. Riley  
(Pres); LTC William H.  
Smith (SrVP); SFC Arthur  
J. Hottin (Secy); SFC Todd  
DiGeronimo (Treas); SPC  
Emmanuel Leonor (VP,  
Memb); CW3 John C.  
Healey (VP, Prog); SFC  
Joseph S. Russo (VP, Ind.  
Memb); CW3 Mark W.  
Onorato (VP, East).

**Savannah:**

CW2 James R. Carter (VP,  
Membership).

**VMI:**

CDT Brandon Bissell  
(Treasurer).

**Washington, DC:**

CPT Eric R. Hall  
(Treasurer).

**Aces**

The following members  
have been named Aces in  
recognition of their signing  
up five new members each.

**LTC Timothy J. Brooks**

**CPT Daniel L. Clark**

**CW2 Neal J. Edmonds**

**CPT Richard A. Gieseler**

**MAJ Mark A. Souza**



Above: During a Spring 1996 meeting of the Lindbergh Chapter, Mr. Daniel J. Rubery (left), ATCOM Deputy Commander and Lindbergh Chapter President, presents the Order of St. Michael Bronze Award to Mr. Robert Johnson (right), former Chief of ATCOM's Aircraft Systems Division, in recognition of the extensive support he rendered to Army Aviation troops engaged in DESERT SHIELD/DESERT STORM.

**CPT JAMES T. "BUTCH" KERR, JR.**

CPT James T. "Butch" Kerr, Jr., died on 10 September 1996 in Oklahoma City, OK. He was born in Waterproof, LA on 22 September 1920.

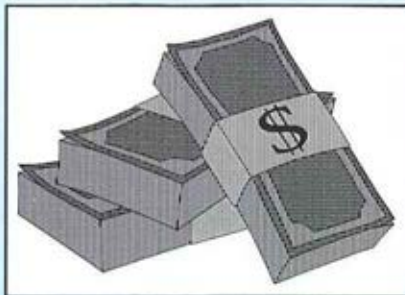
CPT Kerr served in the Army from 1940 to 1961. During his service, he became the line chief at the Department of Air Training, during which time he established many maintenance procedures that were widely adopted throughout the Army. In 1951, while stationed in Japan, he established and operated a general repair depot and overhaul facility at Chofu, providing 4th Echelon Support for all Army aircraft in the Korean War.

He was later assigned to the Transportation Aircraft Test and Support Activity (TATSA) at Ft. Rucker, AL, where he participated in logistic support testing of all new aircraft entering the Army inventory. In recognition of his service, CPT Kerr was selected as the first AAAAA Army Aviator of Year in 1958. In 1992, CPT Kerr was inducted into the AAAAA Army Aviation Hall of Fame after 20 years of military service.

He is survived by his wife of 52 years, Maxine; three sisters; two sons; one daughter; and four grandchildren.

A military graveside service was held at Ft. Sill, OK on 13 September 1996.





## CFC • CFC • CFC • CFC • CFC • CFC

The AAAA Scholarship Foundation, Inc. (AAAASFI) is now part of the Combined Federal Campaign (CFC), a workplace charitable fund drive conducted by the U.S. Government for all federal employees. It is the single largest workplace fund drive in the country, raising approximately \$195M in pledges annually.

Please consider making a CFC-sponsored contribution to the AAAA Scholarship Foundation this year. AAAA's code number for the Fall 1996 CFC is 2121.

### **NEW AAAA E-MAIL ADDRESS!**

The AAAA National Office now has a new E-Mail address via the Internet. Our address is:  
**aaaa@quad-a.org**

## **AAAA CALENDAR**

A list of upcoming AAAA Chapter and National events.

### **January 1997**

- ☐ **Jan. 14.** AAAA National Executive Board Meeting, O-Club, Fort Rucker, AL.
- ☐ **Jan. 16.** AAAA Aviation Trainer of the Year Award Presentation, AAAA Air/Sea Rescue Award Presentation, AAAA Aviation Fixed Wing Unit Award Presentation, AAAA Aviation Medicine Award Presentation, AAAA ROTC Award Presentation and Air Traffic Control Awards Presentation, Fort Rucker, AL.
- ☐ **Jan. 29-31.** Joseph P. Cribbins Product Support Symposium sponsored by AAAA Lindbergh Chapter & AAAA Logistics Support Unit Awards & AAAA Industry Award Presentations, Renaissance Hotel, St. Louis, MO.

### **February 1997**

- ☐ **Feb. 7.** AAAA Scholarship Board of Governors Executive Committee Meeting, National Guard Readiness Center, Arlington, VA.
- ☐ **Feb. 8.** AAAA National Awards Selection Committee Meeting to select 1996 National Award Recipients, National Guard Readiness Center, Arlington, VA.

### **April 1997**

- ☐ **Apr. 23-26.** AAAA Annual Convention, Kentucky Fair and Exposition Center, Louisville, KY.

### **April 1998**

- ☐ **Apr. 1-4.** AAAA Annual Convention, Charlotte Convention Center, Charlotte, NC.





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