

Special
Focus:
SOA

SPECIAL FOCUS:
SPECIAL OPERATIONS AVIATION

ARMY AVIATION

OFFICIAL PUBLICATION OF THE ARMY AVIATION ASSOCIATION OF AMERICA • JUNE 30, 1997

Apache Longbow

Targets

Product Validation

Testing.

MCDONNELL DOUGLAS



www.mdc.com

©1997 McDonnell Douglas Corporation

PUBLISHER
Lynn Coakley

EDITOR
William R. Harris, Jr.

PRODUCTION MANAGER
Barbara Ross

CIRCULATION MANAGER
Mary Ann Stirling

CIRCULATION ASSISTANTS
Debbie Coley, Deb Simons, Mary Ellen Kother

ADVERTISING
Robert C. Lachowski
Tel: (203) 226-8184; FAX: (203) 222-9863

Peter M. Stern, Stern Marketing Co.
Tel: (203) 532-0335; FAX: (203) 532-0131

Display and classified advertising rates are listed in SRDS Business Publications, Classification 90.

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: aaaa@quad-a.org. 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

July 1997 — Simulation and Training.

August-September 1997 —
Annual Army Aviation BLUE BOOK.

Briefings

The Secretary of Defense **William S. Cohen** announced on 22 May 1997 that the President has nominated 28 active duty brigadier generals for promotion to the grade of major general. Two Aviators were among these nominations: **Brigadier General (P) Bryan D. Brown**, Director of Plans, Policies and Strategic Assessments, J-5/J-7, United States Special Operations Command, MacDill Air Force Base, FL, and **Brigadier General (P) James R. Snider**, then PM Comanche, St. Louis, MO. BG(P) Snider became the Program Executive Officer, Aviation on 16 June 97. BG **Joseph L. Bergantz** became PM Comanche during a subsequent ceremony the same day.

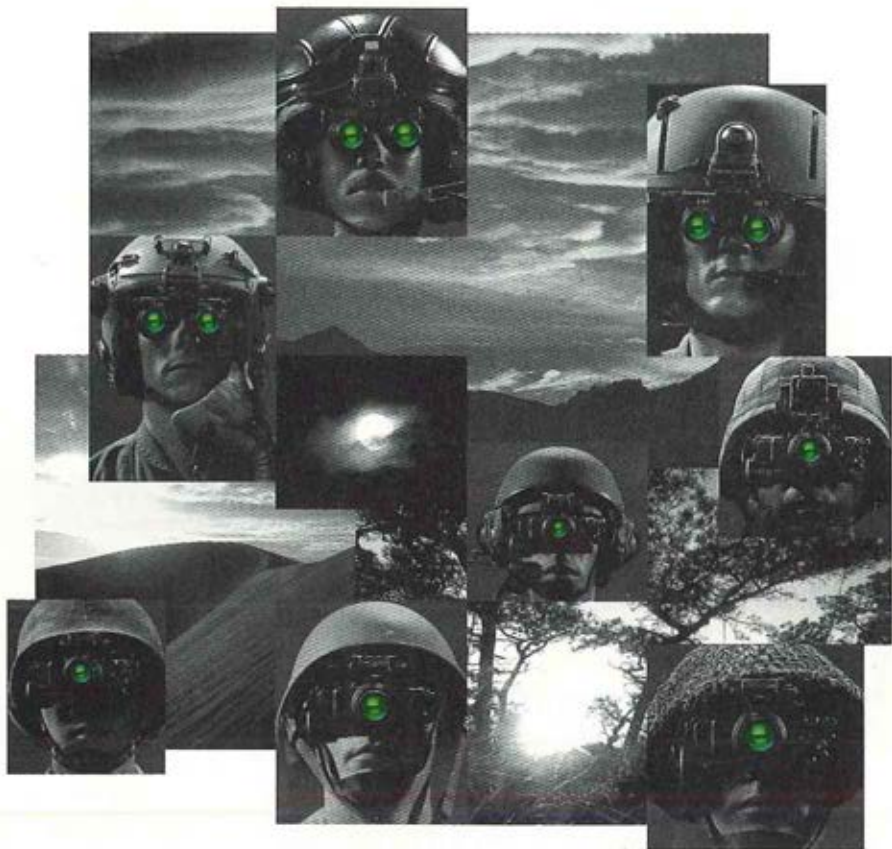
The Defense Commissary Agency (DeCA) reminds members of the National Guard and Reserve to make certain they have a 1997 Guard/Reserve Commissary Privilege Card. This reminder also applies to "grey area" personnel, members who have retired, but who have not yet reached age 60 and entitlement to full retirement benefits. When shown with proper military identification, the card entitles members of the Guard and Reserve and their authorized family members to shop at military commissaries up to 12 times each year.

Bruce D. Roberts has been named vice president and MILES 2000 program director for **Cubic Defense Systems, Inc.** Roberts, who most recently served as a senior vice president and group manager with Science Applications International Corp., will head the company's Multiple Integrated Laser Engagement System program, known as MILES 2000.

Reflectone, Inc. announced 2 April 1997 that **John W. Pitts** has joined the company as Vice President of Military Products. Pitts comes to Reflectone from Systems Research Laboratories (SRL) where he was the senior vice president and general manager responsible for the division's research and engineering services and automated inspection and display product lines. Mr. Pitts, commissioned at West Point, held a variety of leadership and command positions in the U.S. Army.

The first class of the U.S. Army **AH-64D Apache Longbow** aviators has completed its flight training program. The student pilots began their training March 3. The group is the first of 20 classes of more than 200 Army Apache Longbow aviators, 60 instructor pilots and 30 maintenance test pilots who will be trained in Mesa, AZ at the **McDonnell Douglas Helicopter Systems** facility over the next two years. The first graduating class of pilots will form half of the cadre of U.S. Army personnel assigned to A/1-14th at Mesa under the command of MAJ Pat Garman.

The **National Aeronautic Association** has announced that **Cessna** and the **Citation X** design team have been awarded the prestigious **Robert J. Collier Trophy**, recognizing the top aeronautical achievement in the United States for 1996. Cessna and the Citation X team were recognized specifically for "designing, testing, certifying, and placing into service the Citation X, the first commercial aircraft in U.S. aviation history to achieve a cruising speed of Mach .92".



Now you can own the night wherever you are.

Owning the night gives you the war-fighting edge essential to victory. That's why we're working to expand your night vision capabilities.

For the first time, fixed-wing aviators can trust the night to ITT. U.S. Air National Guard, Air Force and Navy as well as military pilots worldwide can benefit from our improved Aviator's Night Vision Imaging System (ANVIS).

And for ground forces, our GEN III 25mm image intensifier is available as a direct retrofit to upgrade existing weapon sights and drivers' viewers.

This dedication to advancements, combined with our proven performance, has earned us 100% of the U.S. Army's OMNIBUS IV procurement. A full-service organization, ITT is committed to continuous improvement, supporting night operations of U.S. and allied military forces around the globe.

Air or ground, anywhere in the world, you can depend on the proven performance of ITT night vision. ITT. *The best in the world at what we do.*

ITT Defense & Electronics

FEATURE ARTICLES

- | | | |
|-----------|---|---|
| 6 | Without Equal | LTG Peter J. Schoomaker |
| 10 | Army Aviation in the Future Fight | MG Daniel J. Petrosky |
| 23 | Aviators Night Vision Imaging System/Head Up Display | Mr. Kevin B. Mayes
and Mr. David R. Troxel |
| 26 | ATS and Battle Command | LTC Cecil L. Lott, Jr. |
| 28 | Army Aviation and the Air Tasking Order (ATO) | CPT David W. Alley |
| 32 | Bombs Dropped from Helicopter??? | Mr. James R. Oden |

SPECIAL OPERATIONS AVIATION (SOA)

- | | | |
|-----------|--|------------------------|
| 16 | Training a New Night Stalker | CSM Clifton P. O'Brien |
| 18 | 160th SOAR (A) Modernization Plan: Roadmap to 2010 | LTC Wesley Walters |
| 20 | Multi-Mode Radar | LTC Guy K. Stanoch |

WARFIGHTING BULLETIN

- 35** Army Aviation Warfighting Bulletin (3rd Quarter FY97)

1997 AVIATION OFFICER DIRECTORY

- 44** 1997 Aviation Officer Directory

DEPARTMENTS

- | | | | |
|-----------|---------------------------------|-----------|--------------------------------|
| 68 | AAAA President's Message | 70 | AAAA President's Report |
| 78 | AAAA Calendar | 69 | AAAA New Members |
| 64 | Army Aviation Book Club | 67 | Arrivals and Departures |
| 2 | Briefings | 66 | Mailbox |

FRONT COVER

Paid Advertisement: McDonnell Douglas Helicopter Systems. The AH-64D Apache Longbow multi-mission combat helicopter, which demonstrated its impressive digital battlefield capabilities during Force XXI, has entered production validation testing, which continues through 1998. The AH-64D is in production in Mesa, AZ, for the U.S. Army, The Netherlands and the United Kingdom. Photo by Robert W. Ferguson. Caption provided by the advertiser.

The **Tri-Max 30** acts as the first line of defense for fire suppression. It can be immediately available to the user at the site of the aircraft or refueling mishap. The **Tri-Max 30** would be primarily utilized by airfield personnel where its ease and speed of operation is of paramount importance.

TRI-MAX 30

FIRE SUPPRESSION SYSTEM

GSA Contract #GSA-07F-90200

The **Tri-Max 30** compressed air foam system (CAFS) is a portable high pressure redundant system with a UL rating 40A, 80B. It utilizes readily available and inexpensive Aqueous Film Forming Foam AFFF or Clean Agent Foam (Environmentally neutral & UL rated) and uses ordinary dish soap for training. A blanket of foam can be put over a flight line spill in a matter of seconds as a precautionary method. Reignition potential is nullified due to sealing off of vapors, it emulsifies with the petroleum on contact. Gusty winds 15-25 knots do not affect coverage. A distance of 80-100 feet puts the user at a safe distance of operation. The fire fighting and knock down capability is impressive; however, this system moves from a reactive fire fighting tool, to a pro-active fire prevention tool at the user level when properly trained. Logistical support is available wherever breathable air compressors are located, typically at any Fire Department.

Tri-Max 30 uses 2 aqua tanks, each an independent air source, that pressurize a 30 gal. tank which produces 600 gallons of usable foam at a 300 gallon per minute discharge capacity. The system is small, easy to maintain and service in a flight line or forward area refuel point.

The **Tri-Max 30** Cold CAF technology and unit has been approved by the Department of the Army to be used as an alternative to wheeled flight line fire extinguishers specified in Army Req. 420-90.

By Stanley MFG



4401 Indian Avenue, Redding, CA • Ph. (916) 275-3621 Fax. (916) 275-2501

WITHOUT EQUAL

We are witnessing fundamental and profound changes that are having an immediate and lasting effect on how Special Operations Forces organize to meet the challenges of the future.

Two areas in particular will affect everyone in uniform; the pace of technological change and the ambiguities of the international security environment.

Continuing technological evolution provides us with capabilities unimaginable less than a decade ago. Information-age technology digitization of the battlefield and advanced aviation platforms, like the RAH-66 Comanche, will allow us to strike deeper, quicker and more precisely than ever envisioned.

Army aviation has been, and will continue to be, a leader in harnessing emerging technologies to ensure the defense of our country.

The only thing certain in today's environment is its ever-changing nature. Our challenge is to maintain the ability to respond with a relevant, highly trained force across the developing operational continuum.

Our Army continues to prepare to operate

*In maintaining
a trained force,
we must be
ready to
deploy to assume
any mission.*

equally well in all three components of the National Military Strategy -- peacetime engagements; deterrence and conflict prevention; and, fight and win. Additionally, we are challenged not only to fight, but are mandated to win our nation's battles.

For our part, the U.S. Army Special Operations Command requires quality people with unique skills,

state-of-the-art systems, proven tactics, and tough, realistic training to engage the myriad of threats we currently face.

In maintaining a trained force, we must be ready to deploy to assume any mission.

We must be capable of providing the full range of options to the warfighting commanders-in-chief -- from non-lethal to precision surgical strikes. In short, the force must be capabilities based, poised and immediately ready to support the National Command Authority directives.

U.S. Army Special Operations Command maintains the vision of "a total force of trained and ready soldiers...fully integrated into Army, joint, and combined operations serving the nation at home and abroad, today and in the future." We foster and cultivate a command climate that promotes



Helicopter **Gun/Rocket** Systems

7.62 mm, .50 Cal, 40mm, 30mm, 2.75"



**CONTRACT
FABRICATION
& DESIGN, INC.**

5427 FM 546
PRINCETON, TX 75407
(972) 736-2280
F A X (972) 736-6063

innovation, adaptation, and unique attributes peculiar to SOF.

Nowhere is this more critical than in the support of Special Operations Forces by Army Aviation.

It is difficult to imagine a force projection contingency that would not require Army aviation. It is a versatile, flexible, responsive and when necessary, lethal combat arm.

The 160th Special Operations Aviation Regiment (Airborne) epitomizes these qualities. Uniquely organized, trained, equipped and led, it meets today's ever-changing operational requirements as it forges the future of Army Special Operations Aviation.

Since its inception in 1981, the 160th SOAR (A) quickly gained the reputation of being the premier aviation night fighters in the world.

This reputation did not come by chance.

The Regiment is without peer in its mission execution. It reached a level of unequaled excellence participating in every engagement from Grenada to the present. It is truly the very tip of the battle spear.

However, because of diminishing resources and the dynamic and volatile nature of a multi-polar world, we must maintain a force that is capable of operating effectively along the increasingly demanding operational continuum.

From disaster relief, peace enforcement and coordinated operations in war, the 160th SOAR (A) must be prepared to support the SOF ground force commander with increased stealth, mobility and survivability.

Being outstanding in just the lethal, but least likely end of the continuum, is not enough. Although a major regional conflict, such as the Gulf War, may be less likely in the future, the world remains a dangerous place.

The ethnic, religious, tribal, and economic tensions held in check by the global competition between NATO and the former Soviet Union, are now erupting into lesser regional conflicts. Emerging third and fourth world powers will enter the 21st century with formidable military strength derived from the purchase of weaponry developed for a conflict between world powers.

In other words, we must maintain mission relevance within the entire Special Operations spectrum.

The 160th SOAR (A) maintains its relevance into the 21st century by continuing to do three things extremely well: assessing and recruiting quality people; training to the most exacting standards; and, leveraging and maintaining advanced technology.

People are the key to our future success. The 160th SOAR (A) has and will continue to recruit quality soldiers. A continuing challenge is to maintain the emphasis on recruiting high-quality soldiers despite a constantly diminishing personnel pool.

We must know what it is we want -- what characteristics make an ARSOA warrior -- and aggressively seek out and recruit those individuals. Once recruited and selected, we must ensure we continue to provide the most viable and rigorous training available. We must educate them, encourage and develop them into Special Operations Aviators. Then, most importantly, we must retain them.

We will continue to leverage leading-edge technologies to increase the capabilities of our soldiers and systems.

Our aviation platforms are the most sophisticated in the world. They are also very expensive and are not easily reconstituted if lost in training or in conflict. We must take full advantage of the simulation systems available now and link future simulation capabilities to future

operational requirements.

Continuing to look for advancing technologies will enhance our survivability and increase our lethality without creating additional burdens to our people and equipment. We will maintain our advantage in battlespace management and situational awareness through synchronized and integrated C4I systems on our soldiers and in our cockpits.

The fluidity of today's operational environment compresses the decision-making process that requires timely information delivered by reliable, integrated communications and coordination systems. Digital technology, for example, will play an expanding role in SOF. It enables ARSOA commanders to visualize operations, develop and assess friendly and enemy courses of action, develop and communicate intent, and monitor ongoing operations.

Digitization provides the tools to permit commanders to visualize and evaluate the sequence of actions during the operation in near real-time. Our tasks are to balance the trade-off between capability and cost of such advanced technology. We must first determine the value derived from new technologies, before we spend money on systems that may be obsolete or simply not needed.

The future of ARSOA is further dependent on the success of the acquisition process. We recently completed the acquisition and fielding of the MH60K Blackhawk and the MH47E Chinook. These technologically advanced aircraft represent our commitment to providing the best equipment available to our soldiers. However, as we look to the 21st century, we see a potential shortfall in replacement aircraft.

In 2010, the E and K airframes will be more than 15 years old. We must develop

innovative ways to extend the service life of older, existing aircraft while accommodating the introduction of new, modernized systems.

It is critical we leverage service initiatives and programs and participate early on in developing ARSOA materiel needs and requirements. The RAH-66 is a prime example. With only a few exceptions, this aircraft is scheduled to enter the SOA inventory essentially "off the shelf." By integrating and synchronizing our modernization efforts, we pool scarce resources and still obtain the product we need.

In the 21st century, ARSOA will be expected to operate in every environment, from peacetime engagement to crisis resolution. It will continue to provide the core competencies, making it the force of choice. Providing a rapidly deployable force that is precise and lethal, as well as flexible and non lethal, ensures relevance into the millennium. Highly skilled and motivated soldiers, employing state-of-the-art technologies, allow ARSOA to maintain its warfighting edge.

The 160th SOAR (A) will continue its legacy of excellence by doing what it does best -- organizing, training, equipping and leading the finest aviation force in the world.

*Sine Pari
Without Equal*

★ ★

*LTG Peter J. Schoomaker is the
Commanding General of the U.S. Special
Operations Command, Fort Bragg, NC.*

ARMY AVIATION IN THE FUTURE FIGHT

Today, our Army is the best trained, best equipped and most ready army in the world. Future warfighting will place crucial importance on high quality, highly motivated soldiers capable of employing the most advanced and highly technical equipment available. Army Aviation's warfighting effectiveness will influence all dimensions of the future battlespace.

In the February issue, we talked about how Army Aviation contributes to the current fight to shape the commander's battlespace and set the conditions for decisive operations. This article reflects our view of how Army Aviation will contribute to Force XXI operations. As in our previous issue, we will use the air assault division and heavy division vignettes to illustrate Army Aviation's role in the future fight.

Potential Adversaries. We can expect future adversaries to have wider access to advanced technology and modern weaponry aimed at defeating our Army Aviation force. These modern systems may be sufficiently powerful enough that smaller numbers can dramatically alter the level of threat facing us, making an adversary

How Army Aviation will contribute to Force XXI Operations

distinctly more dangerous. We must anticipate facing an adversary who possesses this capability and understand that the range of threats will be wider, unpredictable and will possess varying degrees of technological capability and levels of intensity.

Emerging Insights to Future Aviation Capabilities.

The future era

will be one of accelerating

technological change. Long-range precision capability and improvements in information and systems integration technologies are emerging as key factors in future warfare. These capabilities will increase the combat power available, resulting in increased lethality and a higher tempo of operations. Army Aviation will be critical to our Army's ability to harness these capabilities and gain dominant battlespace awareness.

Clearly, for Army Aviation to fulfill its future roles and missions will require change through modernization of current organizations, equipment, and tactics, techniques and procedures. To support our efforts, we have established broad precepts that guide our future organizational, materiel, and doctrine developments:

- *Shared situational awareness.* Army Aviation must be capable of providing decision makers from all of the Battlefield Operating Systems with accurate, real time information and be able to share that information across the battlespace.

- *Communication links.* Army aircraft must have extended range and non line-of-sight communications which can provide for both voice and data transfer. This capability must extend to joint, combined, and multinational force interoperability, which includes direct interface with unmanned aerial vehicles, JSTARS or airborne/ground command and control nodes.

- *Ability to manage information.* Information technology must improve the ability for commanders to see, assess, prioritize, and assign information in their tactical operation centers and on the move, while also allowing this information to be distributed to many locations.

- *Long ranges for aircraft.* Army aircraft must have extended range capability to provide commanders with a rapid force projection and longer range tactical employment.

- *Target identification.* Fratricide avoidance is paramount to tactical operations. The Apache Longbow and Comanche both enhance fratricide avoidance using advanced sensors, while the Comanche can detect and identify targets at greater ranges than current aerial platforms.

- *Increased OPTEMPO.* Aviation's ability to rapidly self-deploy, conduct intra-theater air movement of critical supplies and troops, and conduct attack/cavalry operations throughout the depth of the battlespace is essential to Army operations. Accelerated operational tempo requires aircraft improvements in operational readiness availability, endurance, as well as significant improvements in Forward Area Refueling Point operations. We have to be

able to provide the commander with an over-the-horizon strike force capability.

- *Increased survivability.* To cope with more lethal systems and improved targeting, army aircraft will require stealth and/or other means of passive protection to deny the enemy's ability to target or react to our forces. We must be able to defeat the 2010 Air Defense Artillery and operate throughout the battlespace.

- *Ability to train in a collective Combined Arms environment.* Aviation units must increase collective training in environments which emphasize high quality, realistic and stressful training - environments that fully prepare our forces for combined, joint and multinational operations. Training must reflect emerging threats, and it must include both information saturation and total interruption of information flow. Our focus must be on tough, demanding, live training against an uncooperative OPFOR using observer controllers. We must conduct an after action review after every event. To get to this stage, we must have the ability to integrate our training aids, devices, and simulators.

Future Army Aviation Operations in the Air Assault Division. Today, the Air Assault Division - as part of a joint effort - can deploy into enemy territory at night from an Intermediate Staging Base (ISB) and flex forward 450 kilometers within a 72 hour time period. It is capable of air assaulting a brigade-sized task force every 24 hours for three consecutive days, with each objective area separated by approximately 150 kilometers. Joint reconnaissance and intelligence assets assist in providing warning of enemy artillery massing or armor/mechanized forces maneuvering toward the friendly force. The AH-64A attack battalions are employed to set the conditions for the commander -

450 KM IN THREE DAYS

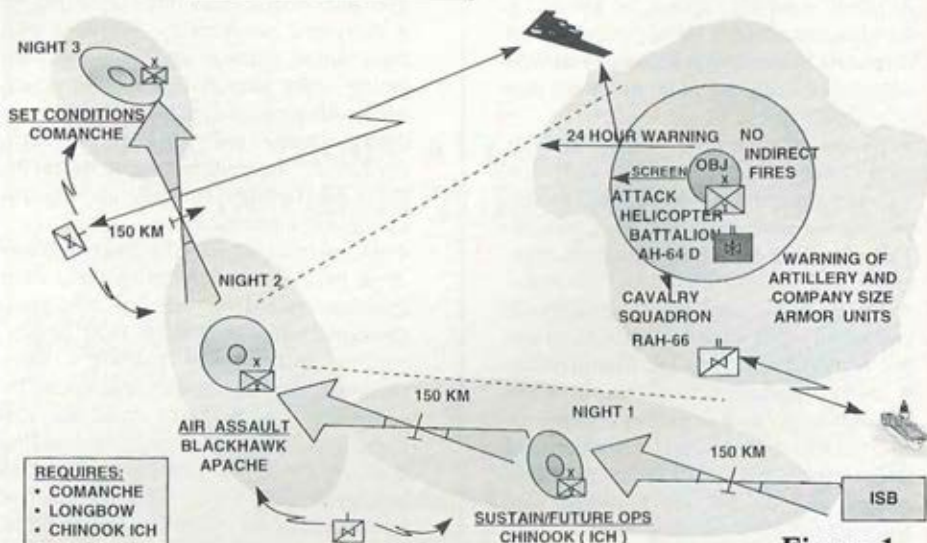


Figure 1

secure routes to the objective, provide early warning, and prevent enemy forces from maneuvering into the security zone. The cavalry squadron, equipped with OH-58D Kiowa Warriors, conducts local security operations once the infantry brigade is set in their objectives. In essence, commanders are relying heavily on the Apaches to set the conditions for decisive operations.

In comparison, Army Aviation's role in future division air assault operations will constitute a much more robust and lethal force primarily due to the introduction of the RAH-66 Comanche, AH-64D Apache Longbow and CH-47 Improved Cargo Helicopter (ICH). To secure the commander's objectives will still require the employment of joint assets. Figure 1 depicts a future air assault operation that does not alter current tactics, techniques and procedures (TTP).

The Comanche will assume the Apache's role of setting the conditions for the commander by conducting cavalry operations to secure the routes, objectives and providing early warning of enemy movement toward the friendly force. The air assault infantry brigade, preceded by cavalry, establishes a local security force at each objective and further employs the cavalry squadron forward to secure the next objective and keep lines of communication open. Joint intelligence and reconnaissance assets, coupled with the Comanche's integrated communication suite, will share critical information digitally and allow for increased warning times of potential enemy threats.

The Apache Longbow, cued by the Comanche, will be employed to project combat power and conduct decisive operations as directed by the commander.

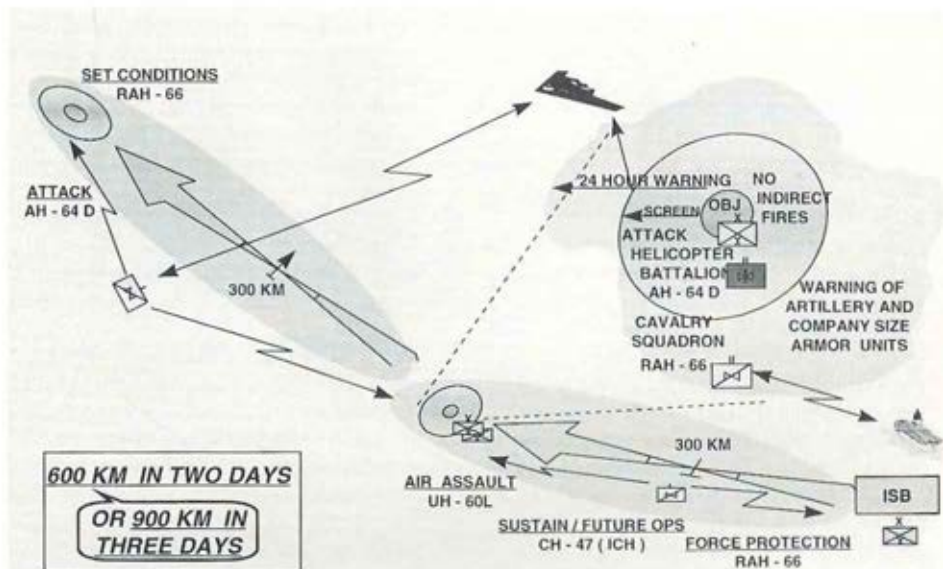


Figure 2

Additionally, they can provide escort security for the UH-60 Blackhawks during air assault operations.

Alternatively, if we modify TTP and employ the Comanche and Apache Longbow with external wing tanks, employ the ICH with an internal fuel tank and remove the seats in the Blackhawks, then the division will be capable of doubling the distance and the initial ground assault force at each objective (Figure 2). This will allow the division commander to move deeper into enemy territory with a heavier and more powerful force in less time - two infantry brigades air assaulted concurrently 300 kilometers the first night with the ability to insert the 3rd Infantry Brigade another 300 kilometers on the second night. From there, you can strike very deep with the Comanche/Apache Longbow Team.

The cavalry squadrons will continue to set

the conditions for the commander and the attack battalions will conduct attack operations to counter any enemy maneuver that threatens the friendly force. This future capability will allow the Joint Task Force commander or theater Commander-in-Chief the ability to move a more versatile, lethal, and powerful combat force deeper into enemy territory.

Future Army Aviation Operations in the Heavy Division. Today, division commanders fight with a doctrine that advocates massing combat power by synchronizing joint/combined arms forces and is terrain dependent. Division aviation operates to continually expand the battlespace by setting the conditions which allow the commander more time and space to assess the situation, determine courses of action, and take action. Division commanders rely heavily on their cavalry

AVIATION BRINGS SYNERGY

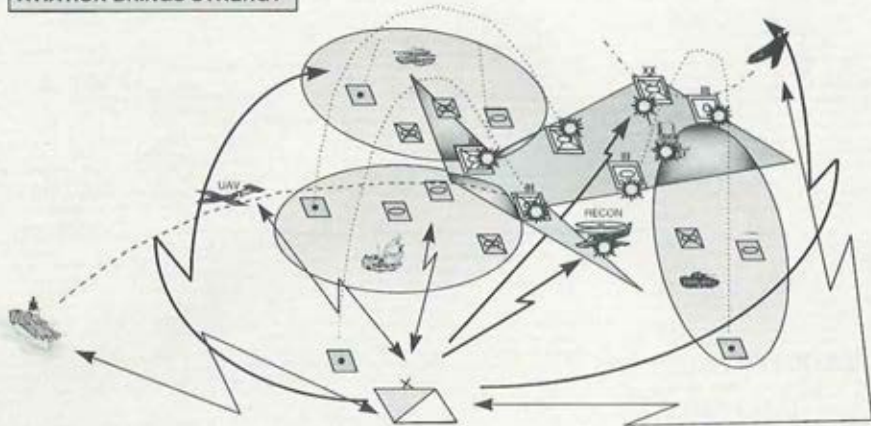


Figure 3

squadron's reconnaissance capability to fill in the information gaps and answer their critical information requirements.

Emerging doctrine advocates decisive operations by massing effects from all available forces to achieve a synergism by defeating specific enemy capabilities wherever that enemy is located. We will no longer need to build engagement areas. Information superiority and advances in technology will enable us to achieve the desired effects through the tailored application of joint combat power. Central to future division operations are:

- Higher lethality weapons will allow attacks concurrently that formerly required massed assets.
- Widely displaced units will concentrate on force orientation and not terrain dependent.
- Increased precision targeting and longer

range systems will reduce the need for massing of forces.

- Improved C2 based on fused, all-source, real-time intelligence.
- Improved targeting information sent directly to the most effective weapon systems will allow engagement throughout the entire depth of the battlespace.
- Integrated reconnaissance will allow for shared situational awareness among all systems.
- The digitized battlefield will put an expanded arsenal of capabilities at the JFC's or theater CINC's disposal.

Army Aviation's flexibility and agility will be essential to the division commander as he works to gain situational awareness, protect his deploying force, and strike the enemy throughout the width and depth of the battlespace (Figure 3). Aviation will be capable of maneuvering rapidly in the

commander's battlespace to bring decisive combat power to bear at the critical point and time. This capability will expand the commander's influence on the future battlefield and reduce the time needed to move decisively against enemy forces.

Army Aviation will be key to providing commanders at all levels with real time data and shared digital information. Cavalry squadrons will perform the full spectrum of cavalry operations throughout the width and depth of the battlespace. The Comanche will be the commander's "weapon of choice" to fill in the information gathered from the integrated joint and national reconnaissance systems. It will extend the "eyes" of the fire support system, shorten the sensor-to-shooter time line, present a near real-time picture of the battlefield, and provide the commander with critical information that is essential to setting the conditions to gain information dominance.

Attack battalions, equipped with the Apache Longbow, may be concentrated deep with other joint assets to destroy enemy air defense, C2, artillery, mechanized formations, and massed artillery to disrupt the enemy and set the conditions for decisive operations.

Subsequent missions may dictate attack aviation in a role to assist the commander in full dimensional protection of his force by ensuring friendly forces maintain freedom of action during deployment, maneuver, and engagement. They may do this by containing or destroying enemy reserves and/or preventing that enemy force from maneuvering on our force. Utility and medium units will rapidly move troops and supplies to secure critical terrain and sustain operations.

Conclusion. The Army is on the cutting edge of a whole new way of warfighting. Meeting the challenges of the future will
(Future Fight continued on page 43)



SOLVENT FREE CLEANING WITH BETTER ENGINEERING



Better Engineering Mfg., Inc.

NSN's Available GSA Contract #GS07F-5778A

Better Engineering's jet washers have successfully replaced PD-680 and solvent sinks at Military Bases across the country and around the world. These automatic detergent and water systems have been approved for cleaning **GUN SYSTEMS, TURBINE ENGINES & COMPONENTS, WHEELS, GSE PARTS, ETC.**

See Your Environmental Mgr. For P-2 Funding



FREE DEMO
1-800-229-3380

TRAINING A NEW NIGHT STALKER

Life for the Aviation soldier assigned to the 160th Special Operations Aviation Regiment (Airborne) is varied, demanding and challenging. The training calendar is filled to capacity throughout the year with training events spanning the globe. The 160th has a "no fail" mission and our soldiers fully understand this. Our mission profiles require hard training with exacting standards. Supporting the world's finest Special Operations Forces is why we exist and the soldiers live for this mission.

Playing a key role in every conflict since Grenada is a source of pride for soldiers of the 160th. Real life combat experience reinforces the understanding for tough training and high standards. As new soldiers enter our ranks, the "old timers" pass on the lessons learned. Newly assigned soldiers are surprised by the intensity and frequency of our training events. Standards are high and experienced crewmembers are surprised to learn it will take them 18 to 24 months to achieve Fully Mission Qualified (FMQ) status.

*It takes
almost two
years to
become
FMQ.*

Over the years we have changed the way we brought soldiers to the unit and trained them. In the early 1980's, soldiers were assigned directly from Aviation Branch Enlisted Assignments. The soldiers arrived in the unit, went directly to their company of assignment and were trained on-the-job.

In 1987 we organized a formal "Green Platoon" training course that taught our new soldiers basic tasks and skills to standard. As we began fielding more advanced airframes, it became apparent that we needed to refine our training programs and unit assignment criteria to meet the needs of the organization.

CSM Zeandrew Farrow, our Group CSM and the first Regimental Command Sergeant Major, got the ball rolling. He knew the key to our success would be recruiting the best soldiers in Army Aviation. He started the formal application process looking to fill the Regiment with the most highly qualified soldiers he could find. Along with the application process, he expanded and defined the role "Green Platoon" would

provide as an initial entry training point. Over the years our recruiting program has matured into a very successful program. To meet the unit's training requirements, "Green Platoon" evolved into a demanding, challenging course that exacts tough tasks, conditions and standards.

Nearly 90% of Aviation Branch soldiers assigned to the 160th today are volunteers. Our recruiting and assessment program is successful for two simple reasons. First, the chain of command is heavily involved in selecting and bringing the right soldier to the unit. Second, we get tremendous support for Aviation Branch Enlisted Assignments. The officers and soldiers working at Assignments Branch have been instrumental in our success. Without their help, we would not have been nearly as successful as we have been in executing this program.

The "Green Platoon" is now known as the Special Operations Aviation Training Company (SOATC). The cadre are the "cream of the crop" and highly experienced Night Stalker NCOs. All soldiers reporting to the 160th belong to SOATC until they are trained to standard. Each enlisted class requires 21 training days to complete the course. Training days start early, end late and are seldom boring. Emphasis is placed on basic soldier skills and teamwork. While the program of instruction builds off the basics, it also tests the soldiers' physical and mental toughness. It is the absolute best training we can provide and we are always looking for ways to improve the program.

The normal training day for the student begins at 0600 with high intensity physical training. As the training day progresses,

students are provided both classroom and hands-on instruction. Subjects range from in-depth land navigation training to close quarters countermeasures. By the time graduation day arrives, each student is CPR certified, Combat Lifesaver qualified and the student has covered a 30 mile day and night land navigation course in two days carrying a 60 pound rucksack. In addition, each student fired in excess of 1500 rounds of 5.56 and 9mm ammunition, qualified with their individual weapon, received a lot of bumps, bruises and scrapes during close quarters countermeasures and raised their Army Physical Fitness Test scores an average of 20 points.

*One of our
benchmarks
is to keep majors
at an installation
for three years.*

Once the soldier graduates from SOATC, the education process continues. Soldiers working on the MH-47E, MH-60K and MH-60L attend the maintainers course here at Fort Campbell. The course covers the aircraft in-depth and lasts for two weeks. Soldiers selected to perform crew-member duties attend the Basic Mission Qualification (BMQ) Course.

The MH-47E and MH-60K BMQ course trains and qualifies the soldiers on basic mission tasks and lasts 9 weeks. The MH-60L BMQ course is 7 weeks long. Crewmembers and maintainers for our A/MH-6 series aircraft attend factory schools, as these aircraft are no longer in the Army inventory. Electricians, avionics and armament soldiers attend 8 to 12 civilian factory courses during their tenure here. Our shops soldiers attend a number of civilian courses such as composite repair and nondestructive testing to enhance their MOS skills.

(New Night Stalker Cont'd. On Page 77)

160TH SOAR (A) MODERNIZATION PLAN: ROADMAP TO 2010

As the 160th SOAR (A) enters the 21st Century, it is entering a period of accelerating technological change that puts us on the threshold of a new era. The Industrial Age is being superseded by the Information Age. The importance of information technology can not be understated and will permeate throughout every function in the military as we move to Force XXI. Information superiority will improve command, control, situational awareness, battlefield synchronization and intelligence, and will impact our role in support of Special Operations Forces and theater CINCs.

The 160th SOAR (A) continues to identify and pursue critical technology in areas including: secure multi-functional communications, digitization, precision navigation, sensor fusion, advanced long range weapons, signature reduction, survivability equipment, human system interfaces, light weight materials, improved propulsion, improved payload capability, miniaturization and virtual reality long haul

The cutting edge of information age warfare

distributed simulation and mission rehearsal. Our acquisition process takes a balanced approach weighing the benefits of off-the-shelf acquisition versus developing and acquiring new systems. Our focus continues to be the procurement and integration of government and commercial off-the-shelf components and subsystems for our aircraft.

The ARSOA Vision 2010 provides the "azimuth and power setting" for how the 160th SOAR (A) will leverage leading edge technology to insure we maintain relevancy as a member of the SOF and Joint warfighting team. Our modernization programs over the next five years include: Comm/Nav upgrades, aircraft survivability equipment (ASE), mission equipment upgrades, advanced night vision systems, mission planning/rehearsal systems, combat mission simulators and the Mission Enhanced Littlebird (MELB). These funded POM 98-03 programs lay the technological foundation and the roadmap to 2010.

COMMUNICATION/NAVIGATION

UPGRADES. Our Comm/Nav upgrade plan ensures compatibility with digital forces on the Force XXI battlefield. The MH-60K/L and MH-47D/E have ARC-164 UHF HAVEQUICK II, ARC-201 SINGARS and ARC-186 radios to provide interoperability with our sister services. Near term communications upgrades to the integrated avionics system include the SINGARS SIP, AN/ARC-220 HF Radio, AN/ARC-210 SATCOM Radio, Improved Data Modem and the MATT Radio. A Digital Map System and the H-764G Embedded GPS/INU (EGI) are being added to the fused navigational suites. Future upgrades include advanced technology mission processors and light-weight, modular avionics and displays.

AIRCRAFT SURVIVABILITY EQUIPMENT (ASE). The 160th ASE masterplan outlines a building block approach to our current systems and develops a "high-low" mix of capabilities. Current capabilities for the MH-60 and MH-47 fleet include: APR-39 and APR-44 radar warning systems, ALQ-156 and AAR-47 missile warning systems and ALQ-144 IR jammers. Ongoing upgrades include an advanced countermeasure dispensing system (ALE-47) and laser detectors (AVR-2A). The ALE-47 is an advanced dispenser integrated into aircraft warning and jammer systems providing automatic threat ID and payload dispensing against IR and RF threats. Improved RF jammers and IR/RF/EO expendables round out these suites which can be tailored to the threat. This formidable interim capability will evolve into the SIRFC and SIIRCM systems now in development.

MISSION EQUIPMENT. Current mission equipment capabilities include Fast Rope Insertion/Extraction System (FRIES), internal and external auxiliary fuel and aerial refueling, external rescue hoists, ballistic armor and a variety of aircraft

weapons and ammunition. We are currently fielding Multi-Mode Terrain-Following/Terrain-Avoidance Radar (MMR) and Voice and Data Recorders (VADR). The MMR provides the pilots the capability to fly low-level, contour flight profiles without visual ground reference. The VADR installed in the MH-47E and MH-60K fleet, provides 20 hours of data and 15 minutes of voice recording. More comprehensive and significantly lighter Small Arms Protection System armor, and improved weapons and ammunition are included in future modernization efforts.

ADVANCED NIGHT VISION SYSTEMS. Our current night vision systems include both FLIR and the OMNI IV ANVIS-6 NVG. The OMNI IV tubes offer a 30% resolution increase and use yellow phosphorous for reduced eye fatigue. AN/AVS-7 HUDs are also being fielded. The 160th SOAR (A) as part of a DoD team, is evaluating future NVGs which are lighter weight, have a field-of-view approaching 100 degrees, a visual acuity of 20/20, and can be fused with onboard sensors through a helmet mounted display.

SIMULATION/MISSION REHEARSAL/MISSION PLANNING. The 160th SOAR (A) hierarchy of flight training systems includes the PC based Desk-Top Trainer, Part-Task Trainer and MH-60K and MH-47E Combat Mission Simulators. Deployable mission planning and rehearsal systems include: TOPSCENE, which enables flight crews to preview their mission in real-world target areas using photographic, sensor and satellite data; ENEWS, which is a mission planning and courses-of-action validation tool that provides the commander with a battlefield perspective of the mission scenario and threat electronic coverage and a PC based mission planning system. Future modernization plans include a Light Assault/Attack Reconfigurable
(Modernization Cont'd. On Page 77)

MULTI-MODE RADAR

This spring, the 160th SOAR (A) began fielding and training with a new Multi-Mode Radar (MMR) system that gives the U.S. Army's Aviations fleet of twenty-three (23) MH-60K and twenty-five (25) MH-47E aircraft the capability to execute missions using Terrain Following (TF) to penetrate denied or controlled airspace.

MMR incorporates the latest technologies and advanced terrain-following/terrain avoidance concepts. This capability allows Army special operations aviation (ARSOA) the ability to deliver special operations forces to a target while flying through enroute weather conditions as low as zero-zero.

The MMR technology used in the MH-60K and MH-47E was originally planned as a joint development program for three new special operations aircraft (SOA) scheduled for near simultaneous fielding. The Air Force Special Operations Command (AFSOC), required MMR for the MV-22 Osprey. The United States Army Special Operations Command (USASOC) required MMR technology for its MH-60K and MH-47E helicopters.

Funding delays and controversy over the

*Allows
operation
in zero-zero
weather
condition!*

V-22 program required PM, SOA and the MH-60K/47E program to take the lead on development. MMR technology will be one of several SOF modifications added to MV-22 during its eventual fielding. Under U.S. Army oversight, the 160th SOAR (A) qualified its own hybrid system which is similar in design and function to the LANTIRN system used on USAF F-15

and F-16 aircraft.

Beginning in the summer of 1994, Texas Instruments (TI), of Dallas, Fort Worth, TX, began working with PM SOA, to develop a state-of-the-art prototype helicopter MMR system. The initial prototypes were developed and specifically designed for installation on the MH-60K and MH-47E. The radar chosen for ARSOA was an adaptation of the F-15's LANTIRN targeting system. Operational Test and Evaluation (OT&E) of the system was conducted at Ft Campbell, KY and Edwards AFB, CA. Flight certification occurred at Ft Campbell, Edwards AFB, and the vicinity of Knoxville, TN.

Using the Regiment's proven strategy of user/operator involvement throughout the development, MMR met or exceeded all facets of the program and was successfully

YOUR SINGLE SOURCE FOR NVIS LIGHTING



Clockwise from upper left: Penta-filament dual mode helicopter search light • Quad-filament dual mode landing light • Tri-filament dual mode taxi light • Infrared filter assembly for landing and search lights • Cockpit flexible arm floodlight • Infrared position light • Infrared exterior light • 3 ATI instrument light - NVIS green • Dual mode dome light • Infrared anti collision ring ***Center items - clockwise from left:*** Dual mode passenger reading light • Multi-purpose cockpit utility light • Indicator light • Floodlight hood filters

Grimes Aerospace Company is the leading designer and manufacturer of interior and exterior night vision compliant lighting equipment. When you have a special lighting requirement, contact Mike Winslow, Military Business Development Manager 937 484-2863.



Give us your toughest challenges.

Grimes Aerospace Company, 550 Route 55, Urbana, Ohio 43078, USA
Phone: 937 484-2000 Fax: 937 484-2008

delivered on time.

In the TF mode of flight, MMR provides the pilot with flight director cues to maintain set terrain clearance altitudes of 300 or 100 feet AGL. These TF commands are processed for the anticipated route of flight using aircraft vectors and performance data. MMR also provides Terrain Avoidance (TA) displays. TA is depicted by "painting" all terrain 30-degrees either side of the aircraft's ground track. Any terrain higher than the aircraft is presented on a cockpit display along with the planned route and other information. Finally, the general terrain relief can be displayed in the Ground Mapping (GM) mode. TF can be used alone or in conjunction with either TA or GM. TF provides obstacle clearance during instrument meteorological conditions (IMC) and provides aircrews excellent situational awareness by displaying TA/GM information.

The 160th SOAR(A) MMR training program was adapted from AFSOC's long established MH-53J TF/TA flight training program. Aircraft specific changes were made to accommodate our updated equipment and airframe differences. The current program, though continuing to be updated, is in place and turning out qualified MMR aircrews. An intense qualification program for rated crew members includes 55 hours of classroom instruction, 20 hours of combat mission simulator (CMS) flight and 10 hours of actual flight. Non-rated crew members are familiarized with 8 hours of classroom instruction (concentrating on crew coordination) and 4 hours of hands on training. Unit Instructor Pilots (IP), augmented by contracted academic instructors from Lockheed-Martin Federal Systems, Owego, NY, are being used for initial qualification of all assigned crews. Beginning with Green Platoon class 98-01, the Special Operation Aviation Training

Company (SOATC) will incorporate MMR qualification into its curriculum for MH-60K/47E crews.

This new capability highlights several issues that require resolution. TF puts tremendous demands on crew coordination and is stressed throughout every phase of training. As more flight experience is gained, the 160th SOAR (A) will constantly review and update training syllabuses, cockpit procedures and revalidate mission specific tactics, techniques and procedures (TTP).

Working closely with the Federal Aviation Administration (FAA) and Headquarters, Department of the Army (HQDA), the 160th SOAR (A) will identify under what situations IMC flight in Class G airspace of the National Airspace System (NAS) will occur. Additionally, USASOC must identify the mission parameters where the risk of IMC flight at 300/100' AGL is acceptable. As of this writing, IMC TF flight is restricted to compatible IR military training routes in the NAS.

The increased pilot situational awareness alone in marginal VMC will enhance safety and increase the margin of error while operating in ARSOA flight modes. The Army will never again turn to a sister service to lead assault forces into combat or stand by as another service receives radar vectors to fly VMC over the top to recover downed servicemen. This new capability adds further strength to the motto; Night Stalkers Don't Quit!.

★ ★

LTC Stanoch is the Regimental Operations Officer, 160th Special Operations Aviation Regiment (Airborne), Fort Campbell, KY.

AVIATORS NIGHT VISION IMAGING SYSTEM/HEAD-UP DISPLAY

The purpose of the article is to provide an overview of the AN/AVS-7 Head-up-Display (HUD) system, and notify the Army aviators of related HUD programs in the areas of training and operational enhancements. The HUD provides pilots with mission and safety enhancements while conducting ANVIS missions. It reduces pilot work-load by superimposing flight, aircraft, and navigational information "heads-up" on the ANVIS night scene which allows the pilot to concentrate on the outside environment. The HUD is under a five year production contract to Tracor Aerospace, Austin, Texas with ELBIT Ltd. of Israel as the major subcontractor.

PM-NV/RSTA began fielding the HUD system to the XVIII Airborne Corps UH-60 Blackhawk units in February 1995. The CH-47D HUD fielding began in January 1996 to the XVIII Airborne Corps. The HUD is also being fielded to the following Army, Navy, and Marine aircraft: MH-60L/K, MH-47D/E, UH-1N, CH-46E, CH-53E, KC-130, HH-60H and V-22.

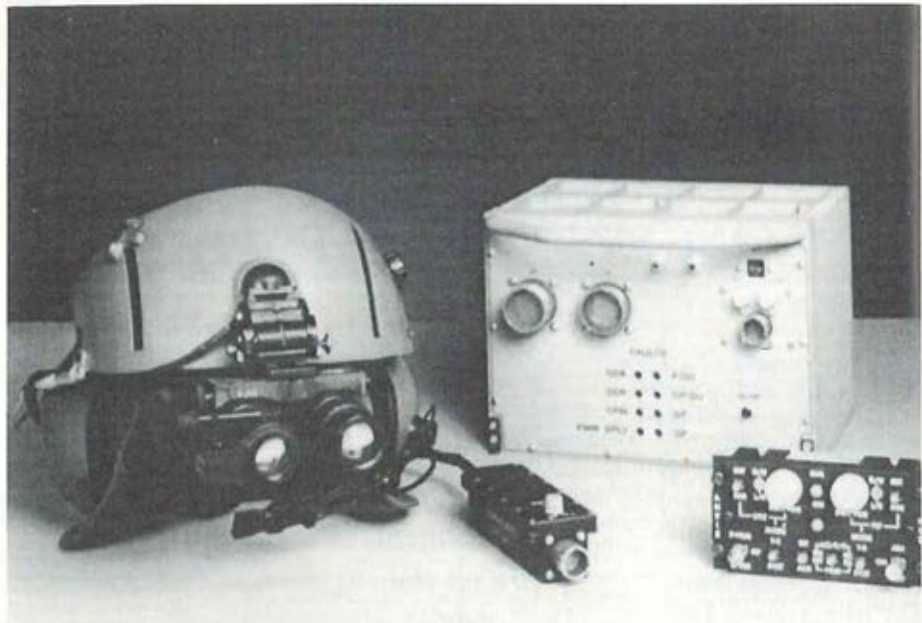
Description. The HUD acts as a sensory gathering device that retrieves flight, air-

*Training and
operational
enhancements
are on the
way.*

craft, and navigational information from various aircraft sensors, processes the data, and then displays it to the pilots. The AN/AVS-7 system consists of an A-kit and a B-kit. The A-kit is aircraft specific and contains the mounting brackets, aircraft wiring, connectors, transducers, and sensors that stay with the aircraft (weight averages 17 to 24 pounds).

The B-kit (electronics) includes the signal data converter (SDC), converter control unit (CCU), and two display units (DU). The B-kit weighs approximately 17 pounds. The B-kit is interchangeable between the UH-60 A/L, MH-60L, CH-47D, and MH-47D aircraft. A MIL STD 1553B version of the B-kit exists and will be interchangeable between the MH-60K and MH-47E as well as any future "bused" aircraft.

HUD Training. An important aspect of any system's life cycle is training for the user. PM-NV/RSTA has worked closely with Ft. Rucker: Aviation Training Brigade (ATB), CECOM New Equipment Training (NET), ATCOM NET, and Ft. Gordon in developing an effective training approach for the HUD. PM-NV/RSTA is using New Equipment Training (NET) for



initial training, upgrading aircraft simulators, and recently completed a Computer Based Training (CBT) package (in conjunction with Marine platforms) to assist NET and users in sustainment of HUD operator and maintainer skills. The following provides a status of these training efforts:

NET. NET is an integral part of HUD fielding. Shortly after receiving B-kits, units will witness the arrival of a CECOM NET team. At this point in time, all UH60 Active units should have received their NET training and the Reserve units are in process of being trained, and the CH-47 aircraft Active unit NET training started a few months ago. The point of contact for NET training is Mr. Bill Berardi, CECOM NET, DSN: 992-6602, 908-532-6602.

The HUD NET consists of operator (pilot) and maintainer training (concept of train the

trainers). The maintainer course is designed to provide MOS 68Ns the skills necessary to maintain the HUD at the AVUM level. These skills include system operation, fault isolation (internal system Built In Test [BIT]), removal and replacement of Line Replaceable Units (LRUs), and electrostatic discharge procedures. The operator course will qualify pilots for operation of the system. The operator course includes a minimum of three 1.0 hour flights per pilot. To maximize the training benefits, these flights will be conducted on separate nights. The NET team requires approximately one week at each location to complete both courses.

Aircraft Simulator Upgrade: Under a Memorandum of Agreement, PM-NV/RSTA and STRICOM have teamed together to upgrade the UH-60 and CH-47 aircraft simulators with the HUD system. The

prototype installation was completed at Ft. Lewis UH-60 and CH-47 simulators in Feb 97. Ft. Rucker simulators are currently being upgraded and are scheduled for completion in June 97. The next simulators scheduled to be upgraded are at Ft. Campbell. The rest of the simulators worldwide are scheduled to be completed by Dec 97.

The HUD addition to the simulator provides a means to offset some of the required aircraft flight hours associated with NET and sustainment HUD flight training to the fleet. This in turn provides an O&M cost savings to the units and the Army as a whole.

Computer Based Trainer: The team of PM-NV/RSTA, CECOM NET, Ft. Rucker ATB have jointly developed a PC based HUD training package as an additional training aid during the NET, Schoolhouse and sustainment training efforts. The computer based trainer provides a set of tutorials covering HUD operation, maintenance and short flight simulation demonstrating HUD symbology dynamics. The package is available from CECOM NET office, Mr. Bill Berardi, DSN: 992-6602, 908-532-6602.

Advanced HUD Product Improvement. The current ANVIS/HUD system being fielded is anticipated to have obsolete components in the next few years. The Army intends to replace existing components of the AN/AVS-7 (ANVIS/HUD) system with commercial components in accordance with DOD initiatives on commercial technology insertions. The Army intends to retrofit all HUD signal data converters (SDC) with the Advanced HUD SDC starting in IQFY99 at a rate of 50 per month. This effort will also provide additional capabilities to the maintainer and pilot by providing an external software reprogramming function, reduction in the overall system symbology latency, and additional I/O capability for

future aircraft data integration. Additional requirements of the improvement are that the external dimensions of the SDC will remain as currently designed to eliminate any airframe changes (i.e. "A"-kit), and not impact the operator and maintainer training.

This initiative provides the line user a more robust, long life system, while providing the overall Army lower O&M costs due to commercial technology insertion. The Army, as a result of this improvement effort, will have a reduction in O&M costs due to commercial components and increased reliability, extend the life of the ANVIS/HUD system in the field and increase performance for the aviator.

Conclusion. One of PM-NV/RSTA goals is to continue to improve the AN/AVS-7 system, as well as other PM-NV/RSTA night vision systems, to meet user current and future battlefield requirements. This goal requires support from many Government and private industry organizations. In this vein, PM-NV/RSTA would like to take this opportunity to express our appreciation to the following organizations and people at: PEO-IEW&S, PEO-Aviation, ATCOM engineer (C. Crow), PM-UH, PM-CH, CECOM NVESD, CECOM NET (Bill Berardi), STRICOM (D. Macintire) and user support Ft. Rucker ATB (CW4 R. Miller, CW4 C. Hibler), Tracor Aerospace and Elbit Ltd. for their hard work, dedication and continuing support of the AN/AVS-7 program and the user in the field.

★ ★

Mr. Mayes is the Project Leader AN/AVS, Mr. Troxel is the Thermal Omnibus System Integrator, both at Project Manager - Night Vision, Reconnaissance, Surveillance and Target Acquisition, Ft. Belvoir, VA.

ATS AND BATTLE COMMAND

I can hear you now, "Great...another article on ATC stuff!" Go ahead and turn the page if you want to. I would not blame you if you did. That is exactly how I felt a year ago when I found out that I would command an Air Traffic Services Group. As an attack pilot, former NTC Observer Controller, and Operations Officer of an AH64 battalion, my first questions were: What is it? Does it kill anything? Where is it? Does it have any aircraft? What does it really do? Now that I have been in command almost a year, it is time to share my observations with you about the contributions ATS makes to the fight.

In the Korean Theater of Operations, the 164th ATS Group provides the type of fixed base air traffic services (ATS) that most aviators are familiar with such as flight following, precision radar approaches and tower service. However, there is another aspect of ATS that I want to share with you.

ATS tactical soldiers execute the ATS mission for both a joint and combined theater at both the tactical and operational levels. It is the tactical and operational aspects I want to address in this article. I

*What is it?
Does it kill
anything?
Where
is it?*

will use two patterns of operations as a methodology to better describe what ATS soldiers really contribute to the fight in Korea.

Project the Force. We normally associate force projection as originating from CONUS in response to some crisis that threatens US interests globally. However, ATS assets in Korea project force on a daily basis through forward

stationing and presence. Tactical ATS in Korea consists of the AN TSQ-71B, ground control approach radar, AN TSC-61B, flight coordination central, AN TRN-30(V), nondirectional beacon, AN TSW-7A, heavy control tower, and the AN TSQ-97 tactical tower teams.

It is the tactical assets that provide versatility and agility to the theater commander and enhance his ability to maneuver combat forces both tactically and operationally. One example is the use of the terminal platoon to establish instrumented airfields or reconstitute damaged or destroyed airfields. This is especially critical when these airfields become decisive points in the establishment of operational or logistic bases for combat operations. These same assets also provide a means of re-

covery during adverse weather or when obscurants cover a large geographic area such as those experienced with the burning oil wells in Kuwait.

164th ATS Group also provides the aviator in Korea confidence and reduces risk for other missions such as non-combatant evacuation operations. Our soldiers provide flexibility to assist the command so they can safely and efficiently move large numbers of personnel from forward areas to rear points of evacuation and backhaul combat forces flowing into theater.

Finally, tactical teams are capable of rapid movement by ground or air to assist aviation commanders in reducing risks in unimproved landing zones, FARPS, or forward logistical bases. ATS soldiers perform many of the same duties that pathfinders might execute in missions of this type. The same ATS soldiers enable the operational commander to better execute branches and sequels to major operations by facilitating the orderly flow of aircraft and establishing airfields for the receipt of troops, equipment, and as a base of operations for further maneuver against the enemy. The agility, versatility, and utility of tactical ATS was recently highlighted when the 164th ATS Group assisted the combined US and ROK efforts to locate North Korean infiltrators by providing flight following services in the search area. We deployed one tactical team by ground to Kangnung Air Base and two teams by air to the two Korean remote sites of Dong Hae and Sun.

Shape the Battlespace. ATS in Korea is an extension of battle command that helps shape and manage battle space. The 164th ATS Group fields four active duty liaison teams and incorporates three teams from the ARNG's 29th ATS Group into the theater commander's effort to integrate, synchronize, and deconflict Army Aviation

with other users of the airspace. These LNOs are located at three ROK Field Armies, the Hardened Theater Air Control Center, the EUSA Deep Operations Coordination Cell, the Combined Aviation Force, and the 2nd Infantry Division.

This LNO conduit helps the warfighter exercise battle command and shape the battle space as needed to bring the effects of fires and maneuver against the enemy. For example, if a deep operation warrants the use of AH64s across forward line of troops (FLOT) from the fire support coordination line (FSL) up to the deep battle synchronization line (DBSL), the 164th assists in deconflicting the routes of flight through time and space, cross boundary coordination, and duplication of effort with other joint and combined assets. How does ATS accomplish this?

ATS acts as a force enhancement asset that improves the effectiveness of forces. First, ATS can help reduce uncertainty, facilitate command and control, and moderate the effects of friction on the battlefield through the timely flow of critical A2C2 information. Second, ATS directly contributes to the maneuver commander's ability to control his OPTEMPO and focus his combat power by helping ensure the airspace, routes, and times do not conflict with other users of the airspace.

Summary. ATS is one of the critical control mechanisms that help the commander in Korea decrease risk and maneuver his forces against the enemy. In high traffic fixed base airfields such as Desiderio Army Airfield at Camp Humphreys, ATS provides the means for safe, efficient and orderly movement of aircraft. ATS provides the same support in a tactical situation too. The commander uses ATS to exercise battle command and manage battle space to synchronize effects of fire and maneuver

(ATS—Continued on page 31)

ARMY AVIATION AND THE AIR TASKING ORDER (ATO)

The Air Tasking Order (ATO) is a subject that elicits varied responses from the Army leadership. The Chairman of the Joint Chiefs of Staff has directed that Army Aviation will be incorporated into the ATO for coordination purposes during recent joint operations and exercises. With this, many discussions have evolved about the role of the ATO and its implications for Army Aviation. Invariably, there is a wide and varying degree of understanding as to what this sometimes massive document is and what it does for the Army Aviation Commander. This article will attempt to explain some ATO uses, dispel some myths about the ATO, and to show how the ATO can be a combat multiplier.

Where Does The ATO Come From? To better understand the ATO, a firm understanding of where the ATO comes from is a must. The ATO is a document published by the Joint Forces Air Component Commander (JFACC), usually an Air Force or Navy officer. It is essentially a daily operations order for all theater air assets with a very large section of coordinating instructions. The JFACC derives his

How the ATO can be a combat multiplier

authority to publish the ATO from the Joint Force Commander (JFC) and uses the Air Operations Center (AOC) to create this document.

The role of the JFACC dictates that he must be the agent who produces the ATO. Joint Publication 3-56.1 establishes the JFACC as the single commander responsible for the theater air effort. In

addition, the JFACC also serves as the Airspace Control Authority (ACA), the Tactical Air Force Commander, and the Area Air Defense Commander (AADC), except for Forward Area Air Defense (FAAD) systems. With such a large perspective of the battlefield, the JFACC must use the ATO to accomplish his assigned missions.

The Air Operations Center (AOC) is where the JFACC's guidance is translated into a working document. The AOC can best be described as a very large tactical operations center (TOC) where current and future operations are clearly delineated areas that exercise very centralized control of air assets. The two major divisions in the AOC are Combat Plans and Combat Operations. The Combat Plans section plans all air missions and then hands this planning

off to the Combat Operations section to execute the ATO. An important player in the AOC is the Battlefield Coordination Detachment (BCD). The BCD is the Army representative in the AOC that serves as liaison between the Land Component Commander (LCC) and the AOC to ensure the LCC's priorities are appropriately planned for.

What is the Air Tasking Order? The ATO is a very large, yet robust, document that completes the allocation/apportionment cycle of air assets. The Air Force, Navy, and Marines use the ATO to assign missions to their air assets. It usually serves as the sole tasking authority for all air assets in theater unless the Marines establish an Amphibious Operations Area (AOA). In this case, the Marines will publish a separate ATO for this AOA.

The ATO is usually comprised of two sections: mission data and special instructions (SPINS). No two ATOs are exactly the same in composition and content, but these two areas are always incorporated.

The mission data section contains all of the air taskings for a twenty four-hour period (this period can be longer or shorter at the discretion of the JFACC). These mission taskings are usually two to four lines in length and their formats are explained in the first couple of paragraphs of an actual ATO. A sample mission is listed below.

MSNDAT/F4015D/MDN/AHEADS51/4
F16C/SEAD/-/ACM19/466/
326.25/253.85/34015/23210/TGTLOC/1
20045Z/120200Z/0410XX0148/LCHMS
L/350113.9N0762756.72/-/SA2
SITE//CONTROL/AWAC/REDBIRD/32

3.5/TAD100/300-CH41-25/-//

Although the code may look complex, it succinctly gives the aircrew a large amount of planning data. The translation of the above mission is as follows:

Four F-16Cs are tasked to conduct a suppression of enemy air defense (SEAD) on a SA-2 missile launcher site (target number 0410xx0148) at coordinates N 35 degrees 01' 13.9" w 076 degrees 27' 56.7" from 120045Z until 120200Z using munitions ACM19 and 466 (ordnance codes). Their callsign is AHEAD 51. Their mission number is F4015D. They will be working with an air package identified as MDN.

Their internal frequencies are 32y.25 and 253.85. Their Selective Identification Friend Mode 3 code is 4015. Their Selective Warning and Control (AWAC) aircraft, REDBIRD, on frequency 323.25 or TAD100 (frequency abbreviation) when they are 25 miles northwest (bearing 300 degrees) from a ground navigation aid.

The ATO will contain mission data for all aircraft

that are tasked to fly during a specific period of time. As one can imagine, the ATO starts to get very large during this inclusion of all air assets. However, this is usually not the largest portion of the ATO. The Special Instructions (SPINS) section of the ATO is usually even larger.

SPINS can best be equated with a very large section of coordinating instructions. These instructions cover a wide range of topics that affect all personnel who fly or use airspace. Some of the areas include Identification Friend or Foe (IFF) codes, Combat Search and Rescue (CSAR) in-

*The ATO is
usually comprised
of two sections:
mission data
and special
instructions
(SPINS).*

structions, Electronic Warfare (EW) campaign, and, in some instances, the Airspace Coordination Order (ACO).

With the assignment of responsibility to the Air Force for all overland CSAR, the SPINS should be of particular importance to the Army Aviator. The CSAR section gives valuable information on PRC-112 Survival Radio codes, Challenge/Password procedures to be used with the number, letter, and word of the day, the aviator's responsibilities/actions that he must comply with during recovery to ensure that he/she is recovered. Failure to follow these instructions may be cause for the rescue mission to be aborted if the recovery team cannot verify that the person they are talking to is indeed friendly.

Another important area that is sometimes addressed in the ACO portion of the SPIN is the route structure past the Fire Support Coordination Line (FSCL). Current Army Airspace and Control A2C2 Doctrine does not have control measures past the FSCL for Deep Operations. This additional structure, combined with Mode 1 SIF codes, can be used to help prevent fratricide in the deep battle. Above all, the ACO will list the Joint Procedural Control measures that will help all Army Aviators with fratricide prevention.

One additional jewel in the SPINS is the "STOP BUZZER" frequency located in the EW section of the SPINS. Although friendly frequency lists should not be jammed by airborne jammers, the list sometimes is not complete, or does not get to the jamming platform. With a simple call on the STOP BUZZER frequency, Army Aviators

can stop their frequencies from being jammed if this event occurs.

What the ATO is not. The ATO does not take operational control of Army Aviation assets. It is not directive in nature and it does not task Army Aviation assets for use in the Air Campaign Plan. More specifically, it does not override the authority of the ground commander to which Army Aviation assets are assigned. Rather, the ATO is used with Army Aviation as a coordination measure. Above all, Army Aviation inclusion in the ATO is a combat multiplier. With inclusion in the ATO, Army Aviation missions will be passed up to the AWACS

aircraft and help facilitate identification. In addition, all other air assets in the area will be aware of Army Aviation assets in the area. With our increased operations past the FSCL, increased awareness of our presence there will facilitate smoother operations.

Army Difficulties With the ATO. The number one difficulty for the Army is dissemination. The ATO can sometimes be several hundred pages long.

Although it is written in Joint Message Traffic format, our current message traffic systems cannot effectively route the ATO to all of the agencies who need it. The Contingency Theater Automate Planning System (CTAPS) is the means by which the other services transmit the ATO. It is a very dynamic system that serves many other functions such as video conferencing to discuss targeting. The Army does not own any CTAPS computer system.

Currently, an interface between CTAPS and the Advanced Field Artillery Tactical Data System (AFATDS) is under develop-

*Some officers
feel that ATO
inclusion is a
precursor to the
Air Force
taking over
Army Aviation.*

ment to help alleviate some of the distribution problems. Until this interface is completed and all Army Aviation units are fielded with the Tactical Local Area Network (TACLAN), the distribution of the ATO will continue to pose a significant problem for Army Aviation. Current courier methods of distribution just do not meet the requirements necessary due to the lag time between publication and execution.

The number two difficulty for the Army is institutional resistance and knowledge. Some officers feel that ATO inclusion is a precursor to the Air Force taking over Army Aviation. This is definitely not true. Army Aviation is an integral member of the Combined Arms Team and must stay there to maximize its effectiveness. Part of this institutional resistance is due in large part to the lack of institutional knowledge. Army Aviation does not currently teach any block of instruction on the ATO in other officer/warrant officer basic or advanced courses to say that it exists.

Conclusion. The ATO is not a document to be feared by Army Aviation. Rather, it is a very robust document that has critical information for our Army Aviators. Although we will continue to struggle with dissemination problems for the foreseeable future, units should actively seek out the ATO for inclusion in their mission briefs. Effectively used, the ATO can be a great combat multiplier for the aviation commander in all future operations. Think Purple.

★ ★

CPT Alley was the Battalion Assistant S-3, at the time this article was written. He has just been assigned as a French Linguist to the Multi-National Division South in Mostar, Bosnia.

ATS and Battle Command

(Continued from Page 27)

against the enemy. As a force enhancer, ATS provides critical links that facilitate the movement of Army Aviation into the fight and to keep other users of the airspace from colliding with our aircraft. ATS also increases the commander's situational awareness and contributes to fratricide avoidance through the rapid dissemination and sharing of information across the theater. The 164th ATS Group accomplishes these missions through fixed facilities, tactical assets, and liaison teams. ATS in Korea is important to the theater commander and helps ensure tactical successes translate into operational victory.

Just like many of you, I did not know how to spell ATS much less what it stood for. However, I now understand and appreciate the invaluable contribution our ATS soldiers make. ATS does not receive as much publicity as M1 tanks or Apache helicopters, but it provides incredible and important support to our aviators in a very deadly business. In this time of diminished resources remember this, "ATS is not just a soldier in a tower with a microphone, it is a capability based force that the commander must have to better command and control his force." ATS contributes to the fight.

★ ★

LTC Lott is Commander, 164th ATS Group, Korea.

BOMBS DROPPED FROM HELICOPTER ???

I was one of the first Army CH54 "Sky-crane" pilots and deployed to Vietnam as part of the 1st Cavalry Division in 1965. I served with the Crane Company for one year and was one of that small group of pilots and enlisted men who helped pioneer the combat support role for this huge helicopter.

In 1968 I was home preparing for my second tour to Vietnam when I was directed to return to Ft. Rucker, AL for a mission that could not be discussed over the phone.

Arriving at Ft. Rucker, CW-3 "Bo" Brown and I were assigned a CH54 and crew and told to fly to Ft. Benning, GA for further instructions. At Ft. Benning we learned that we were the Army part of a joint Army-Air Force effort to use surplus 10,000 pound bombs to blow instant helicopter landing zones (LZ's) in the jungles of Vietnam.

These bombs (minus their fins), originally made for the B-36 bomber, were stored in Pueblo Ordnance Depot, CO and would be available for the project.

A USAF Colonel Smucker was director of the project. He selected a "Vietnam like"

*10,000 lb
Jungle
Busters
dropped
from a
CH-54.*

tree covered test site and under his direction the Air Force had moved a 10,000 pound bomb from Pueblo and built a tripod stand for it to fit into so that it would explode about three feet above the ground. Upon detonation, the trees would be knocked down, without creating a crater.

Initially, the tactics were to hover over the area, lower the bomb, utilizing the

Crane's 100 ft. cable, release the hook and fly away and detonate it by remote control, which we did. Our test LZ was large enough for a UH1 (Huey) to land an engineer team with chain saws which cleared a reasonably large LZ in quick order.

In the debriefing, as encouraging as the results were, we discussed the safety aspects of flying a "hot" bomb over enemy terrain, hovering to lower it onto target, the possibility of it getting "hung-up" in the triple canopy jungle and the chances of a radio transmission prematurely detonating the bomb, I recommended against this procedure.

Colonel Smucker ordered me to Kirtland Air Force Base in Albuquerque, NM to



further research a means of bombing with a helicopter. Finally the Kirtland team came up with a series of modifications so we could use drop tactics:

- First, a "cradle" was attached to the fuselage to hold the bomb secure horizontally under the Skycrane.
- Second, a harness attached the bomb to the crane's cargo hook and winch cable, enabling the bomb to be held tightly against the cradle.
- Third, we installed a three foot piece of pipe with an arming mechanism to the fuse in the nose of the bomb. A pin kept a small propeller from turning, and the pin was pulled as the bomb fell away, which allowed the propeller to spin, arming the fuse.
- Fourth, the Air Force designed a parachute to stabilize and retard the bomb's descent, necessary because it had no fins.
- Fifth, we obtained a WW II drift meter, a navigation instrument that presents a grid on the landscape below so that drift could be determined and corrections made.

This was our crude but workable bomb sight and we mounted it in the aft pilot's station, who would now become the bombardier. Two crane pilots from Ft. Sill, OK, CWO's Handley and Wilson joined the team and we began to develop bombing tactics with deactivated bombs. After determining that a safe altitude of 6,000 ft. above the terrain and 60 knots on a specific heading gave us the best chance of success, our bombardier, Wilson, would view the target through the drift meter. On his command the crew chief would hand drop a target missile with a smoke grenade in it.

Wilson observed this through the drift meter and once it hit he would pass on the necessary corrections to the pilot. For example, if the smoke grenade landed 3 grids to the left of target and 4 grids below the target, we would make a 360 turn. With these corrections in mind, Wilson would direct us for another run. Sort of a Kentucky windage for a crane and a 10,000 pound bomb. Three smoke passes were made and on the fourth we dropped the bomb. We all assembled at Red Beach just north of Da Nang (Vietnam) in September of 1968 and after briefing local commanders, we modified a Skycrane from the 478th Avn Co.



to become the first helicopter "bomber".

Our first drop was west of Hue. The Commander wanted it placed on top of a jungle covered hill. We went through our procedure and when Wilson yelled "bombs away", we pulled full power. We wanted all the altitude we could get as we were unsure of just how far the shrapnel from the bomb would travel, we certainly didn't want to shoot ourselves down. We circled back and observed our work, feeling pretty confident that any Vietcong in the area would have a bad headache and ringing in their ears.

Accuracy was and continued to be the problem. I believe we missed that hilltop by 120 meters. You can imagine trying to drop a marble into a can from three stories up. Eventually we dropped three more bombs, all near the western side of the DMZ, in late September or early October.

Only one, and it fell on a hillside, was usable as a LZ. I went into this LZ to retrieve a downed helicopter a few days later and can vouch that the bomb worked as advertised. With the smart bombs of today, clearing a LZ should be much simpler.

A week or so after dropping the bombs, Hanoi Hanna (the VC's Tokyo Rose) labeled us as war criminals for introducing a new

weapon into the war and read our names over the Hanoi radio. There was a security leak somewhere. Anyway, that finished the Army phase of the project. The Air Force continued to test drop 10,000 pound bombs from the back of C-130's. I am not sure of their degree of success.

Wilson and I stayed to finish our year in Vietnam with the 478th Avn Co. Handley returned to Ft. Sill, OK. As for the CH54 Skycrane bomber, it was returned to standard operational configuration and the bomb sight and cradle was crated and left in the supply room, never used again, to the best of my knowledge.



After spending 28 years in the Army, Jim Oden retired in 1973. He served in the enlisted, commissioned, and Warrant Officer corps, retiring as a Chief Warrant Officer. He was awarded the Distinguished Flying Cross, Bronze Star of Valor, Purple Heart (Korea) and air medals. He and his wife, Rae, reside in Hot Springs, AK.

Editor's Note - This article is reprinted with permission from the Vietnam Helicopter Pilot's Association (VHPA), Nov/Dec 1996 Newsletter.

ARMY AVIATION WARFIGHTING BULLETIN

3rd Quarter FY97

MESSAGE FROM THE BRANCH CHIEF. When I arrived last Fall, my first order of business was to look into the current issues affecting our Branch. We accomplished this by downshifting our focus for the Aviation Leaders Training Conference in January from future requirements to immediate concerns that affect aviation warfighting readiness today. As in the past, Fort Rucker became the site to gather the brigade commanders, sergeants majors, and safety officers worldwide to discuss these issues -- focusing in any area of Army Aviation that might require immediate attention. Although we will not be able to do everything everyone wanted, we are working hard on the issues surfaced during the conference.

In February, Fort Rucker was the site for the Digital Training Exercise (DTX) conducted with the 4th Brigade, 4th Infantry Division. The exercise trained the Aviation Task Force (ATF) battlestaff using simulation at the Aviation Test Bed by replicating all the digital systems of Force XXI and mission scenarios from the NTC. These scenarios were evaluated by the Eagle Team observer controllers. We did this to further prepare the ATF for their role in the recently conducted Task Force XXI Advanced Warfighting Experiment (AWE) at the NTC. What I learned from this exercise was the power of linking flight simulators to constructive battle staff run training. Eagle Team AARs led you to believe missions were flown in aircraft, when in fact they were flown in simulators.

The Aviation Center, in concert with our TRADOC partners and the Experimental Force (EXFOR), is performing extensive work to define future operating conditions and concepts for Force XXI and the Army After Next (AAN). Development of future doctrine and tactics, techniques, and procedures (TTP) is evolving and under continual scrutiny. The AWE conducted in March at the NTC evaluated many of our concepts and gave us many useful insights that we'll discuss in future issues.

As I have said many times, the health of our Branch is the best it has ever been. The quality of soldiers and leaders we have serving in Army Aviation today is the highest I have seen in my 31 years of service. Despite more frequent deployments, a higher OPTEMPO and tougher mission requirements, missions are being completed safely and to standard. I congratulate all soldiers and leaders for your achievements and am extremely proud to be part of the Army Aviation Team.

NOTICE TO ALL COMMANDERS

REQUEST FOR INFORMATION CONCERNING DESERT SHIELD/DESERT STORM. This is a request from the Army Aviation Historian. The purpose of this search is to identify, secure, segregate, and index all information (documents, logs, records, papers, reports, AARs, etc.), in reference to your unit's exploits during the Gulf war. This will provide a historical file for the aviation community on the Persian Gulf theater of war to be located in the aviation historical files. We will take anything you have in any condition - just get them to us. Please ensure your unit is not left out of the books! Please forward all information to the Fort Rucker Historian, Dr. Kitchens, United States Army Aviation Center, Building 5306, Fort Rucker, Alabama 36362-5000. Dr. Kitchens can be reached at DSN 558-9151.

DOCTRINE

FM 1-100. Army Aviation operations, dated 21 Feb 97, TRADOC printed and distributed the manual in early Feb 97.

FM 1-111. Aviation Brigades, in editing and should be sent to TRADOC by end of 2d quarter FY97.

FM 1-112. Attack operations, expect TRADOC printing and distribution of manual to be 2 Apr 97

FM 1-113. Utility Operations, CG approved on 15 Jan 97 and the manual is in editing and scheduled to be sent to TRADOC in May 97.

FM 1-114. Air Cavalry Squadron/Troop, author's draft complete and sending out for worldwide staffing by 15 Mar 97.

FM 1-108. Army Special Aviation operations, author's draft complete and sending out for worldwide staffing by 15 Mar 97.

FM 1-300. Flight Operations, revising manual to include changes and comments from worldwide staffing.

PRAIRIE WARRIOR 97 (PW97) . The Aviation Center plans to evaluate how the Command and General Staff Officer Course students use five future aviation systems during their capstone exercise, Prairie Warrior 97 (PW97) The five systems are the Aviation Tactical Operations Center (AVTOC), the Army Airborne Command and Control System (A2C2S), the Tactical Airspace Integration System (TAIS), the AH-64D and the RAH-66. While the actual AVTOC and A2C2S will not be on hand, the Army Tactical Command and Control System (ATCCS) hardware and software used in

the exercise will closely replicate the capabilities of these systems. The TAIS will enhance the ability of the ATCCS to provide a real-time air picture to the students. Simulation models will replicate the AH-64D and the RAH-66 units for the exercise. POC is CPT Timothy D. Wilsey, DSN 558-2234, ext 226.

TRAINING

•**UH-60 COCKPIT EMERGENCY PROCEDURES TRAINER (CEPT)** . Three CEPTs arrived on Fort Rucker 13 Feb 97 and were ready for training 28 Feb 97. CEPT will become an integral part of the UH-60 Aircraft Qualification Course training aviators start-up through shut-down normal and emergency procedures. POC is Mr. LaCross, DSN 558-3712, e-mail: gerald-lacross@rucker-emh4.army.mil.

•**COCKPIT PROCEDURES TRAINERS/IMAGE GENERATORS (CPT/IG)** . OH-58D(I) training will be enhanced with the upgrade of two CPTs with IG slated for delivery in late April 1997. Increased fidelity in the Mast Mounted Sight Training and Airborne Target Handover System is expected to have positive impact on training and may lead to future enhancements in gunnery training. Equipment will be used only at USAAVNC. Questions should be addressed to Kiowa Warrior SIO, DSN 558-3742. Funding status: Fully funded. Funding year: Present. Cost (ROM): 32M. POC is CW3 Montgomery, DSN 558-2621, e-mail: thomas_montgomery@rucker-emh4.army.mil.

•**KIOWA WARRIOR CREW TRAINER (KWCT)** . The KWCT concept formulation began on 21 Sep 96 as a result of DOTDS and Commanding General direction on obtaining a KW Gunnery training capability (largely due to the cost of firing ammunition for Tables III and IV) . KW PM directed an Integrated Product Team to leverage off existing developments and using the KW CMS ROC create a work statement that would meet this objective. The device will support gunnery and mission training using CPT/IG and CSMET technology with increased visual and motion cueing to provide a simulation capability for KW. This system is currently under consideration and staffing for design; frontend analysis by ARI; and Cost ROM by STRICOM. Expected funding is through the Aviation Reinvestment Initiative and PM elevation of this unfunded requirement. POC is SIO KW office, (334) 255-9115. Funding status: Unfunded in concept formulation. Funding year: Unknown. POC is CW3 Montgomery, DSN 558-2621, e-mail: thomas-montgomery@rucker-emh4.army.mil.

•**AIRCRAFT SURVIVABILITY EQUIPMENT TRAINER IV (ASET IV)** . Fieldings will be complete by Feb 98. Four systems have been delivered: 2-NTC, 1-CMTC, and 1-JRTC. Four remaining systems will be fielded to Fort Hood, Fort Campbell, Fort Bragg, and NTC. POC is CW4 Woods, DSN 558-1861, e-mail steve_woods@rucker-emh4.army.mil.

•**MULTI-SERVICE ELECTRONIC COMBAT - BULLETIN BOARD SYSTEM (MSEC-BBS)** . A classified BBS which contains all ASE configuration settings for all theaters of operations. Additionally, any changes to ASE effectiveness and Jam Program Settings, threat messages related to ASE, and doctrinal impacts to aviation units in theaters of operations are posted on the MSEC BBS. If you are not currently subscribed, contact your Tactical Operations Officer/Electronic Warfare officer, then contact Mr. Bob Hankins, DSN 872-2166, e-mail Hankins@wg53.eglin.af.mil.

•**AIRCRAFT TRAINING MANUAL (ATM)** . The ATM Section is revising current ATM's. Manuals will have a new format and will be developed under the Systems Approach to Training. Project is underway to consolidate materials to save paper and facilitate electronic distribution. Currently working on revisions to the following manuals: TC 1-210, Commander's Guide, will be renumbered as TC 1-200; TC 1-214, AH-64, will be renumbered as TC 1-238; TC 1-251, AH-64D, is a newly developed manual; and TC 1-XXX, uc-35A is also a newly developed manual. POCs are CW3 Hammel or Ms. Ecker, DSN 558-9660/9661; COM (334) 255-9660; FAX: DSN 558-9662, e-mail: paul_hammel@rucker-emh4.army.mil or constance_ecker@rucker-emh4.army.mil.

•**WARRANT OFFICER ADVANCED COURSE** . The revision to this course is contracted out to Advanced Development Group. The course is being revised under the Total Army school system format. POC is CPT Craig, DSN 558-9653, e-mail: eric-craig@rucker-emh4.army.mil.

•**93C AIR TRAFFIC CONTROL** . Analysis and design of all 93C courses is being conducted for conversion into TATS by Oct 97. The Critical Task Selection Board will convene in May 97. Final phase of the Long Distance Training probe with the National Guard begins in Mar 97. POC is SFC Gay, DSN 558-9757, e-mail: clark_gay@rucker-emh4.army.mil.

MATERIAL

•**IMPROVED CARGO HELICOPTER (ICH)** . Will extend the life of the CH-47D until the 2020-25 time frame. Improve-ments include vibration reduction and the capability to operate on the digitized battlefield supporting Army XXI. CG, USAAVNC approved the ICH Operational Requirements Document on 13 Sep 96 followed by TRADOC's approval on 17 Nov 96. Current plan to begin fielding by the 2004 time frame. POC is MAJ Brown, DSN 558-2704,

e-mail: Robert_Brown@rucker-emh4.army.mil.

•**UC-35A PROCUREMENT.** First UC-35A Medium Range jet aircraft delivered December 1996. A commercial off-the-shelf Cessna Citation Ultra V. Performance: range = 1500 to 1800 NM, cruise speed = 330 to 450 KTAS, service ceiling = FL450, gross weight = 16,300. Seven aircraft on contract with a requirement for thirty-five. Initial fielding plan includes three for Atlanta, two at Fort Hood, and two for USAREUR. Two of the seven aircraft have been fielded. An additional \$22 million for five more aircraft is on hold but SARDA believes the money will be released in the 3Q FY97. POC is Mr. Robert Nelson, DSN 558-2571, e-mail: Robert_Nelson@rucker-emh4.army.mil.

•**ADVANCED PRECISION KILL WEAPON SYSTEM (APKWS)**. Will provide Army Aviation with a low-cost, highly accurate weapon for engagement of non-armored point targets. Uses a seeker and guidance package coupled with the Army's current 2.75" M66 rocket with a 10 pound HE warhead. High single shot probability of hit against medium to long range point targets (1 km to >6 kms) that exceeds the current unguided 2.75-inch baseline by 1 or 2 orders of magnitude. Current plan, funding permitting, calls for fielding of APKWS in FY02. POC is CPT Jim Bowie, DSN 558-9115, e-mail: Jimmy_Bowie@rucker-emh4.army.mil.

•**AVIATION GROUND SUPPORT EQUIPMENT (AGSE) PROCESS ACTION TEAM (PAT).** AGSE Management Board formed a PAT to conduct a comprehensive review of all AGSE items. Purpose of review is to identify obsolete items and formulate a plan to eliminate them and/or replace them with new AGSE items. Examples of items being reviewed are gasoline-powered compressors and heaters. DCD received an excellent response from units on the field survey. Results are being collated at this time. POC is MAJ Walters, DSN 558-9276, e-mail: Craig_Walters@rucker-emh4.army.mil.

•**INFRASTRUCTURE DEFINITION FOR DIGITALLY ENHANCED AVIATION LOGISTICS (IDDEAL).** AGSE Branch participating in IDDEAL workshops which are composed of members of the Rotorcraft Industry Technology Association (RITA), Aviation Applied Technology Directorate, Deputy Chief of Staff for Logistics, and the Program Executive Office Aviation among others. Purpose is to define an integrated infrastructure for Army Aviation that will enable a significant process improvement through digitization initiatives. Infrastructure definition concentrates on the maintenance process using techniques, functions, roles and reporting requirements to capitalize on emerging technology and best commercial practices. POC is MAJ Walters at DSN 558-9276, e-mail: Craig_Walters@rucker-emh4.army.mil.

•**COMBAT SURVIVOR/EVADER LOCATOR (CSEL) PROGRAM.** A U.S. Air Force led joint service program to support the recovery of downed aircrew members and ground personnel. Consists of three segments: (1) over-the-horizon (OTH) satellite voice/data communications (UHF SATCOM, COBRA, and SARSAT), and GPS precise geopositioning, (2) ground which provides communication between a UHF SATCOM base station, Joint Search and Rescue Center (JSRC), Rescue Control Center (RCC), and the survivor/evader, (3) user which consists of the CSEL hand-held radio (HHR), CSEL planning computer (CPC) with a HHR loader adapter (HLA). Army scheduled to initially procure 9,000 HHRs beginning in Mar 98. Total Army requirement is 17,000+. POC is Mr. Roberson, DSN 558-9130, email: Bernard-Roberson@rucker-emh4.army.mil.

•**AIR WARRIOR (AW)**. An integration of all aviation life support equipment (ALSE), clothing and individual equipment (C&IE), and mission equipment designed to improve mission capability, comfort and endurance, aircraft and aircrew-station interface, and safety of flight. A modular design to permit tailoring for mission requirements, to minimize weight and bulk, and to facilitate maintenance and support. Operational Requirements Document was approved by TRADOC 1 Jul 96. MS I scheduled for Mar 97 and MS II scheduled for Sep 98. POC is Mr. Roberson, DSN 558-9130, e-mail: Bernard-Roberson@rucker-emh4.army.mil.

•**COCKPIT AIRBAG SYSTEM (CABS).** Will use inflatable bags to encapsulate the aviator in a protective air cushion. Improved restraint system will protect aviators in potentially survivable aircraft accidents by reducing or eliminating the crash strike envelope of the crew member. Operational Requirements Document was approved by TRADOC 1 Nov 96. Low-rate initial production is scheduled to begin in Jul 97. POC is CW4 Popovich, DSN 558-9130, e-mail: John-Popovich@rucker-emh4.army.mil.

•**ARMY AIRBORNE COMMAND AND CONTROL SYSTEM (A2C2S)** Replacement system for AN/ASC-15B/C. Will provide voice, data, and imagery comms on-the-move. Provides situational awareness to division, brigade, and attack battalion commanders. Displays direct broadcast intelligence on map background. Two prototypes participating in the Task Force XXI Advanced Warfighting Experiment (AWE) "Ivy Focus" 15-29 Mar 97. One prototype to participate in the Division XXI AWE Nov 97. completed Milestone I, II in Jun 96. Initial Operational Test & Evaluation currently planned for 2Qtr 01; Milestone III for 3Qtr 01 vying for warfighting Rapid Acquisition Process (WRAP) dollars; if

successful, will move program to the left 21 months, allowing First Unit Equipped date of 4Qtr 00. POC is CPT(P) Paulino, DSN 558-0168, e-mail: Kenneth-Pauline@rucker-emh4.army.mil.

•AVIATION TACTICAL OPERATIONS CENTER (AVTOC) Provides commander and staff with an Army Tactical Command and Control Systems (ATCCS) automated environment. Used to plan, direct, coordinate, and control aviation operations. One brigade-size CP (3 AVTOC assemblages) prototype participating in Task Force XXI AWE 15-29 Mar 97. Will participate in Division XXI in Nov 97. Program will merge with all other Army TOC programs under PEO C3S. Program milestones and fielding dependent upon Army Digitization Modernization Plan and funding. POC is CPT(P) Quintanilla, DSN 558-3973, e-mail: Marisal-Quintanilla@rucker-emh4.army.mil.

•AVIATION MISSION PLANNING SYSTEM (AMPS). An automated mission planning, mission rehearsal, and synchronization tool. Two versions, a desktop workstation for brigade/battalion, and a lightweight version for the company. Some units already fielded with Version 4.0 software. Transitioning to an evolutionary acquisition program, allowing hardware to be fielded and testing required only on subsequent versions of software. Initial Operational Test & Evaluation on Version 4.0 slated for Feb 98. Version 5.0 slated for release in Nov 98. Milestone III review and full materiel release slated for May 98. POC is CPT Bray, DSN 558-0167, e-mail: Dennis_Bray@rucker-emh4.army.mil.

•SUITE OF INTEGRATED INFRARED COUNTERMEASURES (SIIRCM). Next generation infrared countermeasures system. Replaces the AN/ALQ-144, AN/ALQ-156 or AN/AAR-47, and the M-130. Consists of the Common Missile Warning System (CMWS), a missile seeker jammer, an improved countermeasure dispenser and the improved IR flare munitions. Multi-service program. SIIRCM will direct jamming signals and/or flares at approaching IR seeking missiles. Interfaces directly with the Suite of Integrated Radio Frequency Countermeasures (SIRFC) to increase aircraft survivability. Lead platform for SIIRCM is the MH-60K with follow-on platforms being the AH-64D, OH-58D (CMWS only), UH-60A/L, CH-47D, and MH-47E. POC is John Rhein, DSN 558-9238, e-mail: John-Rhein@rucker-emh4.army.mil.

•HIGH FREQUENCY NAP-OF-THE-EARTH COMMUNICATION. System consists of the AN/ARC-220 airborne HF radio and its ground counterpart AN/VRC-100. New features improve reliability and enhance ease of operation. Includes Automatic Link Establishment (ALE), link protection, electronic countercountermeasures (ECCM), and modem/data waveforms. Has internal modem and limited data capability. Store up to 10 transmit messages, in addition to 10 received messages. Each message can be up to 500 characters long. Basis of issue is one (1) ARC-220 radio per cargo (CH), utility (UH), SEMA (EH), and Medevac aircraft. One (1) ARC-220 radio for every two (2) attack (AH) and reconnaissance (OH/KW/AH) aircraft. Three (3) VRC-100's for aviation brigade tactical operations centers, and two (2) VRC-100's for aviation battalion or separate company TOCS. POC is Jerry Sweitzer, DSN 558-2110, e-mail: Jerry_Sweitzer@rucker-emh4.army.mil.

•SUITE OF INTEGRATED RADIO FREQUENCY COUNTERMEASURES (SIRFC). Multi-service radio frequency countermeasure system for aircraft consisting of two subsystems; the Advanced Threat Radar Jammer (ATRJ) and the Advanced Threat Radar Warning Receiver (ATWR). ACAT III program with OSD oversight. Currently in EMD phase. Milestone III decision expected in FY99. POC is CPT Pilgrim, DSN 558-9238, e-mail: Allen-Pilgrim@rucker-emh4.army.mil.

•AN/ASN-128B DOPPLER/GPS NAVIGATION SYSTEM (DGMS). Provides a combined GPS/Doppler navigation capability through the embedding of a six channel GPS receiver into the signal data converter of the currently fielded AN/ASN-128 Doppler navigation system. H-764G Embedded GPS/Inertial Navigation System (EGI). Tri-service, United States Air Force led effort to provide an integrated navigation solution for aircraft equip-ped with a MIL-STD 1553 digital data bus. Embeds a 5 channel GPS receiver into a ring laser gyro inertial navigation system. Total system weight of only 17.9 pounds. Mean time between failure is guaranteed by the manufacturer to be at least 6,500 hours. POC is CW3 Miller, DSN 558-2110, e-mail: Christopher-Miller@ruckeremh4.army.mil.

USAALS

•THE USAALS HOME PAGE (HP). The USAALS Internet address is <http://www.atsc-army.org/usaals>. To date there have been more than 3700 visitors. An Expert-Based Inquiry System makes timely assistance available to soldiers worldwide on maintenance and maintenance training problems. Access the USAALS HP and obtain information pertaining to courses taught, reporting in procedures, post and community highlights. The school's structure is detailed along with aviation maintenance news, articles written by USAALS personnel, technical updates for the field, and critical task lists. A real-time snapshot image of the entire HP is available on diskette for demonstration purposes. Using a browser, the user can navigate through the HP without being connected to the Internet. BNOC and 151A students now receive a familiarization block of instruction. The Web Master for USAALS is Mrs. Sheila Visconti, DSN 917-4746,

email is viscontis@eustis-emhl0.army.mil.

•**DISTANCE LEARNING INITIATIVE.** The USAALS begins its distance learning initiative training in April 1997. Will award aviation MOS transitions to 18 members of the Kansas and Iowa National Guard. USAALS has developed a comprehensive 67T UH-60 Blackhawk Repairman transition course for use with the Training Network (TNET) broadcast system. Schedule also takes advantage of the Active Duty Training (ADT) period for the National Guard. USAALS POC is Mrs. Chris Mack, DSN 927-6373, e-mail is mack@eustis-emhl0.army.mil.

•**TOTAL ARMY TRAINING SYSTEM-COURSE CONVERSION ANALYSIS (TATS-CCA) FOR KOS 68S.** The TATS-CCA for MOS 67S is underway. Process provides methodology for identifying, analyzing, and aligning training requirements to facilitate the redesign and subsequent development of TATS courses that train AC and RC soldiers to a single Total Army standard. The TATS-CCA is TRADOC funded, with Professional Software Engineering (PROSOFT) as the prime contractor. Completion date is Jul 97. USAALS POC is Mrs. Jean Roach, DSN 927-2726, e-mail is roach@eustis-emhl0.army.mil.

•**UPDATE ON NON-DESTRUCTIVE TESTING.** Procedures for the new technical manuals on the Army's new NDT Equipment have been completed by ATCOM, USAALS SME's and AEROSTRUCTURES INC. Familiarization training is being taught by USAALS. Operation and Technical inspection procedures (ASIN-2) are taught by the Airforce via an ITRO agreement at Pensacola, FL. USAALS POC is Mr. Harold Jones, DSN 927-6657, e-mail is jones3eustis-emhl0.army.mil.

•**MOBILE TRAINING FOR UH-60 HELICOPTER REPAIRER (67T20/30) TRANSITION COURSE.** The Department of Aviation Systems Training has provided fully qualified civilian instructors to train and qualify National Guard full-time technicians at fielding sites selected by the UH-60 Program Manager and the ATCOM New Equipment Training (NET) office. The training backlog caused by the Aviation Restructure Initiative (ARI) is being reduced. To date, we have trained 87 soldiers and are scheduled to train 44 more at five different locations during FY97. This training program is scheduled to continue through FY98. USAALS POC is Mr. Randy Weaver, DSN 927-6605, e-mail is weaver@eustis-emhl0.army.mil.

•**UPDATE ON CONSOLIDATION ASIWS FOR MOS 68F, 68J, AND 68N TO MOS 68S, OH-58D ARMAMENT/ELECTRICAL/AVIONICS SYSTEM REPAIRER.** Proposed change to AR 611-201 to consolidate ASIWS for MOS 68F/J/N into a new MOS 68S, OH-58D Armament/Electrical/Avionics System Repairer is being staffed within the aviation community for proposed training to start FY98. All 68J10WS/68N10WS will be reclassified as MOS 68S ASI-Y2 until they have attended the 68S30 BNCOC course to obtain the new skills. There will be no transition course except by attending 68S30 BNCOC. The 68F2/3OW5 and 68N2/3OW5 TOD/TDA positions would not convert to MOS 68S until FY00. USAALS POC is Mr. Bill Staryk, DSN 927-6475, e-mail is staryk@eustis-emhl0.army.mil.

•**UPDATE ON 67R TRAINING FOR AH-64D LONGBOW ATTACK HELICOPTER REPAIRER.** Proposed change to AR 611-201 for MOS 67R on the AH-64A Apache Attack and AH-64D (Longbow) Apache Attack Helicopter Repairers. Starting FY97, a 67R2/30 (AH-64D) (Transition) Apache course will train selected MOSQ 67Rs being assigned to AH-64D (Longbow) Apache Attack Helicopter Battalions. This course will be taught at McDonnell Douglas Training System (MDTS), Mesa, AZ, from FY97 thru FY99. Starting FY00 the transition course will be resident at USAALS, Fort Eustis, VA. After completing transition course soldiers AH-64D qualified will be awarded ASI-Y1 for a period of three years beginning Jan 97 and terminating 30 Sep 99 to identify soldiers in MOS 67R who have received Longbow training. Starting 1 Oct 99 all 67R soldiers who have not received Longbow training will be awarded ASI-Y2. The ASI-Y2 will be removed from 67R soldiers MOS after completion of AH-64D Longbow Apache transition course. Effective FY00 the 67R10 AH-64A course will change to the 67R10 (AH-64A/D) course for Initial Entry Training soldiers. USAALS POC is Mr. Bill Staryk, DSN 927-6475, e-mail is staryk@eustis-emhl0.army.mil.

•**UPDATE ON MM MOS 68Y TRAINING P'OR AR-64D LONGBOW/ELECTRICAL/AVIONICS SYSTEM REPAIRER.** Proposed change to AR 611-201 to add MOS 68Y for AH-64D (Longbow) Apache Armament/Avionics/Electrical Systems Repairer. Starting FY97 a 68X2/30 (AH-64D) (Transition) Apache course will train selected MOSQ 68Xs being assigned to AH-64D (Longbow) Apache Attack Helicopter Battalions. This course will be taught at McDonnell Douglas Training System (MDTS), Mesa, AZ from FY97 thru FY99. Starting FY00 the transition course will be resident at USAALS, Fort Eustis, VA. Upon arrival of AR 611-201 action this transition course will be the 68Y2/30 Transition Course. After completing transition course soldier AH-64D qualified will be awarded an interim ASI-Y1 for a period of three years beginning Jan 97 and terminating 30 Sep 99 to identify soldiers in MOS 68X who have received Longbow training. After approval of AR 611-201 starting 1 Oct 99 all 68X ASI-Y1 soldiers will be reclassified to MOS 68Y. Effective FY00 there will be a 68Y10 (presently 68X10 (AH-64D) course for Initial Entry Training soldiers. The

68x10 (AH-64A) Ar-mament/Electrical Systems Repairer course will continue for the AH-64A Apache Helicopter. USAALS POC is Mr. Bill Staryk, DSN 927-6475, e-mail is staryk@eustis-emh10.army.mil.

•**OH-58D AIRCRAFT /MISSILE SYSTEM REPAIRER COURSE** (68JW5). On 15 Jan 97, USAALS directed the start-up of a three shift operation in order to meet the increased need for 68JW5 soldiers across the Army. USAALS POC is SGM Hawkins, DSN 927-3492.

SOLDIER

•**ROTC SPEAKER'S BUREAU.** Aviation Branch is attempting to increase the number of commissioned officer minority accessions. The Branch has been underrepresented in minorities as compared to the rest of the Army. Preliminary research indicates that part of the problem in accessing minority officers is that they do not receive timely information about how to apply for aviation. To provide needed information to ROTC students, the Aviation Center has established the Speakers Bureau. Speakers travel to Colleges and universities and brief cadets on the opportunities available in Aviation Branch.

•**ANTHROPOMETRIC WAIVERS.** Students who are 95cm or greater in sitting height will be granted a local (Fort Rucker) temporary exception to policy allowing them to fly the OH-58 during initial flight training. Current restrictions in sitting height of more than 95cm eliminates about 30 percent of the prospective student aviators and significantly reduces the availability of taller applicants for other aircraft in which greater sitting height is advantageous. Individuals who are taller than the current restriction are at increased risk for head and neck injuries, and will therefore not be allowed to permanently transition to the OH-58C, OH-58D, or TH-67.

EASTERN ARMY NATIONAL GUARD AVIATION TRAINING SITE (EAATS)

•**93P RESERVE COMPONENT (RC) TRAINING.** The Eastern Army National Guard Aviation Training Site (Eastern AATS), in coordination with USAAVNC DOTDS has adapted the 93PIO Active Component (AC) Courseware for RC use. Nine RC soldiers completed the first class at the Eastern AATS on 22 January 1997. POC is LTC James G. Pierce, DSN 491-8878, e-mail: eaatsadm@pangnet.ngb.army.mil.

•**93P DISTANCE EDUCATION.** Distance education was used for the first time in the 93P BNCOC 2-21 February 1997. The Eastern AATS conducted a regularly scheduled 93P30 course on-site and simultaneously provided training, via distance education, to the Oklahoma Army National Guard. Future plans include a 93PIO course to be taught simultaneously at the Eastern AATS and, via distance education, to the New Jersey Army National Guard. The course is scheduled for 9-27 June 1997. The Eastern AATS is aggressively moving forward with plans to use distance education in a variety of formal courses of instruction. POC is LTC James G. Pierce, DSN 491-8878, e-mail: eaatsadm@pa-ngnet.ngb.army.mil.

KIOWA WARRIOR

•**KIOWA WARRIOR.** Kiowa Warrior Users Conference scheduled for 08-11 April 97 in Killeen, Texas. Eight TF XXI Kiowa Warriors will deploy to the National Training Center for the March 97 AWE. KW team was able to complete all proposed improvements for the "Advanced/Digitized", Kiowa Warrior. Key features of Army Aviation's only embedded digitized aircraft include: video image crosslink, improved MMS system processors which allow automatic target acquisition and simultaneous target track, IDM/SINCGARS SIP with variable format messaging that link the Warriors to the tactical internet, and improved master controller processor units with digital maps providing enhanced situational awareness. Aircraft also equipped with Miles Ages functional weapons system replication. Aircraft equipped with R3 engines scheduled for delivery July 97. Engine will increase overall power by 19 percent eliminating the 5200 pound gross weight restriction. Full Authority Digital Electronic Fuel Control coupled with the R3 engine will greatly reduce drop during high gross weight operations. POC is CPT(P) Worshek, Kiowa Warrior System Integrator, DSN 558-3808, e-mail: Curtis-Worshek@Rucker-emh4.Army.Mil.

TSM-COMANCHE

•**CONTRACT NEGOTIATIONS COMPLETE.** Phase III extends from 1997 to 2002 and is valued at approximately \$1.7 billion. It will include the delivery of six reconnaissance only version prototypes for early operational capability assessment. POC is MAJ Eberle, DSN 558-2160, e-mail: Nathan-Eberle@Rucker-emh4.army.mil.

•**FLIGHT TESTING.** Is progressing well as the flight envelope is expanded to 148 knots and a 40 degree angle of bank. Recent flights have been accomplished with retractable landing gear operating successfully. POC is MAJ Eberle, DSN 558-2160, e-mail: Nathan-Eberle@Rucker-emh4.army.mil.

•**COMANCHE PORTABLE COCKPIT (CPC).** Made its debut at AUSA convention in Orlando. It is a full scale

version of the Comanche cockpit and can demonstrate aircraft operations both physically and operationally through a Distributed Interactive Simulation (DIS). The CPC is loaded on a flatbed and can be set up and operational in half a day. Current plans are to visit all major military installations, AUSA and AAAA functions throughout 1997 to demonstrate Comanche capabilities. POC is MAJ Eberle, DSN 558-2160, e-mail: Nathan_Eberle@Rucker-emh4.army.mil.

TSM-LONGBOW

•**TSM LONGBOW.** COL Cash Striplin assumed duties as the TRADOC System Manager (TSM) for Longbow, Apache, and HELLFIRE effective 30 JAN 97. Welcome aboard! POC: COL Striplin, DSN 558-2167, email cash-striplin@rucker-emh4.army.mil.

•**ROLLOUT.** Rollout of first production Longbow was 21 Mar 97 at McDonnell Douglas Helicopter Systems, Mesa, AZ. POC: LTC Scales, DSN 558-2167, e-mail richard-scales@rucker-emh4.army.mil.

•**LONGBOW APACHE.** Two Longbow Apache prototype aircraft participated in TF XXI, 15-28 Mar 97 at NTC. The Tactical Engagement Simulation System (TESS) Phase I is complete. Will provide Longbow "kill", and Longbow Apache "be-killed", capability to NTC instrumentation. TESS Phase II (home station capability) development work beginning. POC MAJ Lamb, DSN 558-2167, e-mail morgan-lamb@rucker-emh4.army.mil.

•**INSTRUCTOR PILOTS.** Instructor pilots began AH-64D Longbow qualification training on 27 February at McDonnell Douglas Helicopter Systems facility in Mesa, AZ. The first in a series of training courses preparing for unit personnel training. POC: MAJ Pelczynski, DSN 558-2167, e-mail anthony_pelczynski@rucker-emh4.army.mil.

•**1-227 AVIATION FORT HOOD.** 1-227th Aviation, Ft. Hood, will become the first unit equipped with the Longbow. Will begin MOS 67R training in JUN 97, MOS 68X training in Oct 97, and aviator training in Aug 97, all at MDHS in Mesa.. POC: MAJ Pelczynski, DSN 558-2167, e-mail anthony_pelczynski@rucker-emh4.army.mil.

•**2-101ST AVIATION.** 2-101st Aviation will become the second U.S. unit to transition to the Longbow beginning in MAY 99. POC: MAJ Pelczynski, DSN 558-2167, e-mail anthony_pelczynski@rucker-emh4.army.mil.

USAATCA

•**ATC STUDY.** The week of 10 Mar 97 the Director U.S. Army Aeronautical Services Agency briefed the CMD GP, key di-rectorates and offices of the USAAVNC on the establishment of a provisional ATC Brigade. POC is Mr Dan Rodebaugh, DSN 558-3233.

•**ATC SYSTEM MORATORIUM.** HQDA established a moratorium on all actions (manpower and resources) involving Army Air Traffic Services force structure effective 15 Feb-31 Jul 97 unless extended or rescinded. Intent is to stop any near-term actions which could accelerate ATC system deterioration and allow time for resolution of issues. POC is Mr Dan Rodebaugh, DSN 558-3233.

•**AERONAUTICAL EVALUATIONS AND ASSISTANCE.** As an arm of the Aviation Branch Standardization Program the Activity participated in conducting 18 Aviation Resource Management Surveys and 12 Aeronautical Assistance visits in FY 96. In support of these visits and other maintenance/inspections of Army ATC facilities, 343 Flight Inspection hours were executed by the FAA certified JC-12D aircraft. This service offset what would have been \$1,715,000 in FAA operating cost to the Army. The USAAVNC piece of this FAA cost would have been \$112,500. The USAATCA is currently working funding issue (upgrade to the Automated Flight Inspection System) with DADCOPS to ensure the Army Flight Inspection assets remain through ATC/A.TS reorganization and issue resolution. POC is Mr Dan Rodebaugh, DSN 558-3233.

•**TACTICAL NIGHT LIGHTING.** Exploring the potential need for a drafting of requirements for an Army portable tactical night lighting system (airfield/heliport/FAARP). POC is Mr Dan Rodebaugh, DSN 558-3233.

•**FAA COURSES.** Requests for Army personnel to attend FAA Academy training must be coordinated through the USAATCA. FY98 solicitations are now being considered--deadline 15 Apr 97. POC is Mr. Fred Helton, DSN 558-2780.

USAARL

•**U.S. ARMY AEROMEDICAL RESEARCH LABORATORY.** A novel aircraft instrument display improves maintenance of spatial orientation in-flight and provides effective recovery from disorientation. Accident reviews show that spatial disorientation (SD) contributes to 30 percent of Army helicopter accidents. The SD rate for flying with night vision devices is 4x higher than for day flight. SD demonstration flights have proved beneficial for showing the limitations of orientation senses in-flight. Results of simulator evaluations and surveys show that, in the rare event of a single engine helicopter emergency, there is a one in six chance of error. Training and engineering methods to reduce the risk of error are under review. The combination of prophylactic napping and a short acting sleep agent (Ambien) maintains

performance during sleep deprivation. In-flight research shows that **Doxedrine** maintains pilot performance and vigilance during sustained operations. Research shows that fully-encumbered MOPP4 aviator attire reduces flight performance and decreases tolerance time to hot environments by at least 3x. **The Crew Endurance Leader's Guide**, published jointly by USA-ARL and USASC, provides guidance to commanders, trainers, and safety officers to improve soldier performance, enhance mission completion, and minimize crew endurance related hazards. Research shows that melatonin prevents jet-lag and enhances performance in actual deployments, and also affects menstrual characteristics alleviating some mood changes. A new color vision test, designed to enhance aircrew selection and retention, shows type and severity of color deficiency, including effects of aging and eye disease.

BRANCH CSM UPDATE

WHERE WE ARE NOW/CHANGE IN NCO STRUCTURE (CINCOS). - The Vice Chief of Staff has mandated that the Army reduce its content on NCOs to an aggregate total of 47 percent. Aviation Branch is currently at 50.2 percent. HQDA, DCSPER, produced an average grade distribution matrix (AGDM) which serves as the target for each branch to achieve the overall 47 percent structure. Aviation's portion of the AGDM would reduce the NCO structure to 45 percent within the branch. Each CMF (67 and 93) was screened based on the AGDM proposed by DA to identify risks associated with the proposed reductions. The AGDM was applied to base TOEs and TDAs through a standard of grade change for certain positions. The reductions imposed by the AGDM in the TOE units created an unacceptable high risk level. USAAVNC then developed a proposal that does not create unacceptable risks and results in a 48.5 percent NCO content for Aviation Branch and achieves a savings of \$5.8 million. It also realigns the grade structure for each CMF and improves the potential for progression through all NCO ranks. POC is SGM Starcher, DSN 558-2359 and e-mail is mark-starcher@rucker-emh4.army.mil.

NON-MODERNIZED AIRCRAFT TRANSITIONS. Non-Modernized Aircraft will continue to be an issue into the next century. The procurement of new aircraft and retirement of the old make this a constant battle. Many of you will ask how can I get a transition seat to one of the modernized aircraft? Here's the guidance for reclassification on non-modernized MOSs. 1)AR 611-201, Chapter 2 is the governing regulation for reclassifications. 2)AR 614-200, Governs retainability requirements after reclassification training is completed. 3)AR 601-280 determines reenlistment options and the In-call messages determine MOSs available for reclassification. Individuals should evaluate promotion/retention eligibility (to obtain CMF 67 training, a serving aviation soldier needs to meet or exceed promotion potential for new CMF 67 MOS). Remember common sense should prevail. Training for a new MOS must be available. The requirement for non-mod MOSs will not go away over night, there will be requirements for the next several years. Transition Courses for modernized aircraft systems are targeted as SL2/3 soldiers in a non-mod MOS. POC is SGM Starcher, DSN 558-2359 and e-mail is mark-starcher@rucker-emh4.army.mil.

SHORTFALL PROGRAM. Shortfall seats are for high quality soldiers in a non-mod MOS, unit selected, DA funded, TDY and return, but after a soldier receives the new MOS he must be ready for PCS orders for the needs of the Army. Soldiers requesting modernized MOS must understand and be willing to take any open shortfall seat available at that time, for example, a soldier holding MOS 67N may receive a seat for 67R course. This is not a total fix to the non-mod dilemma, but it has been a success story for the Aviation Branch. FY96, the Branch was able to train 246 soldiers through "Shortfall" seats. This number did not include soldiers who were in the window for reenlistment to a modernized MOS. CSMs are the key and must manage their soldiers to ensure the continued success of the "shortfall" program. POC is SGM Starcher, DSN 558-2359 and e-mail is mark-starcher@rucker-emh4.army.mil.

MOS ACTIONS. Effective 23 December 1996, MOS 93C was authorized a Selective Reenlistment bonus of 1A for skill level 1/2/3. Proposal currently at DA to raise the ST requirements from 100 to 105 for MOS 93C. This action was based on the academic failure rate and should help the failures. Proposal being considered to combine MOS 68J and W5 training into one MOS. The current strength figures for 68J show that 70 percent of the soldiers are W5 trained. The deletion of MOS 93B is on track. The deadline for soldiers to request reclassification passed on the 15 February. The MOS will be deleted at the start of FY98. The requirement for the National Guard does not go away. They will still have the OH-58A/C as part of their mission. All their 93B positions will convert to MOS 67V. MOS 68P was convert to MOS 68K, and MOS 68P was deleted 1 March 97. POC is SGM Starcher, DSN 558-2359 and e-mail is mark-starcher@rucker-emh4.army.mil.

CMF 15. Is under consideration at USAAVNC. This CMF would consist of combining the CMF 67 and CMF 93 personnel into one CMF. The intent is to be able to better manage all aviation MOSs and to enhance the career progression of the enlisted soldiers. Once the USA-AVNC staff reviews and concurs with this proposal, it will be submitted to MACOMS for their response. POC is SGM Starcher, DSN 558-2359 and e-mail is mark-starcher@rucker-emh4.army.mil

Currently, the proposal is back at Fort Rucker to work on the training cost associated with the merger of MOSs. POC is SGM Starcher, DSN 558-2359 and e-mail is mark-starcher@rucker-emh4.army.mil.

MISSION TRACKING. Is a proposal to make the maintenance MOS structure more efficient by eliminating the need for a new MOS when new aircraft are fielded. It would take seven MOSs and consolidate them into four different tracks. 67Y and 67R would track attack; 67V and 67S would track reconnaissance; 67N and 67T would track utility; with 67U making up the final track as utility. The intent of mission tracking is to allow for enhanced promotion/assignment opportunities for non-modernized aircraft. It would give all soldiers a modernized MOS and reduce seven MOSs to four. Currently working on issue regarding National Guard's role in taking over training on non-modernized aircraft and training aid support. POC is SGM Starcher DSN: 558 2359 and e-mail is mark-starcher@rucker-emh4.army.mil.

DANIEL J. PETROSKY

Major General, USA, Chief, Aviation Branch

Future Fight

(Continued from pg. 15)

require an aviation force able to conduct simultaneous, continuous, and seamless operations across the full spectrum of military operations. Aviation modernization systems are evolving rapidly, increasing the capability of our Army through the application of information age technologies. The Longbow Apache and Comanche are prime ex-amples of how our Army and Corporate America work together as a team to make the future safer for our sons and daughters. It is this teamwork that is providing the Nation a cost-effective, properly sized, well-equipped and ready force.

★ ★

MG Petrosky is Aviation Branch Chief and CG, U.S. Army Aviation Center (USAAVNC) and Ft. Rucker, AL, and Commandant, U.S. Army Aviation Logistics School (USAALS), Ft. Eustis, VA.

Lost & Found

Items Lost/Found
at the

AAAA Annual Convention
Louisville, KY

- Lost: 1 Aviation Branch Ring
(small one)
Contact: Lynn Quinlan
315-773-4700
1 Boeing Chinook patch
with many pins attached
including PBV & PBM.
Contact: Joe Levinson
512-295-4492
- Found: 1 Garrison cap
1 pair wire rim glasses

Contact:

AAAA National Office
(203) 226-8184

The 1997 Aviation Officer Directory

Last Name, First Name, M.I., (Rank) (Initial Membership Year) (Nickname) Residence Address. Dy: Duty Phone. Res: Residence Phone. S: Spouse's Name. Dy: Duty Assignment. Rtg: Pilot Rating. Qual: Qualification. Time: Total Hours Flight Time. Cbt: Total Hours Combat Time. DFC: Distinguished Flying Cross. AM/00: Number of Air Medals.

Pilot Ratings

MAA: Master Army Aviator
IP: Instructor Pilot

IFE: Instrument Flight Examiner
AA: Army Aviator

SAA: Senior Army Aviator
TP: Test Pilot

* A list of all AAAA Company Grade Officers who returned their response forms to the National Office by 24 April 1997.

Achenbach, Eric R., (1LT) 1625 Boxtree Court, Colorado Springs, CO 80906. Dy: (719) 526-4196. Res: (719) 527-9584. S: Tricia. RW Qual.

Ackerman, Edmund M., (CPT) PSC 4, Box 1667, APO AA 34004. EM: eackerman@usarso-lani.army.mil. S: Rima. Dy: 011-507-288-3220. Res: 011-507-288-4931. Dy: Plans Officer, Fort Clayton, Panama. Rtg: AA. RW Qual. Time: 800 Hrs.

Adamowski, James F., (2LT) (Jimmy) C 6/159 Avn Regt, CMR 408, Box 973, APO AE 09182. Dy: DSN 352-7307. Res: 49-011-9334/99138. Dy: C 6/159 Avn Regt, Giebelstadt, Germany. RW Qual. Time: 215 Hrs.

Adams, Christopher, (1LT) (Schmada) C Co., 6-159th Avn Regt, CMR 408 Box 1013, APO AE 09182. Dy: 049-09334-87472. Res: 049-09366-99959. Dy: C Co. 6/159 Avn (Flt Plt Ldr), RW Qual. Time: 300 Hrs. Secretary, Mission Ready Chapter.

Adams, Jay R., (CPT) 2995 W. Country Ranch Dr., Tucson, AZ 85742. S: Teresa. RW Qual. Time: 420 Hrs.

Adams, Joel M., (CPT) CMR 423, Box 226, APO AE 09107. Dy: 49/711-7294-265. DSN 4214-265. Res: 49/711-791-065. EM: avjma@emhoehinger.army.mil. Dy: HQ, USEUCOM Flight Detachment, Stuttgart, Germany. RW Qual. FW Qual.

Adkins, Jonathan T., (2LT) (J.T.) 1776 Cherry Point Court, Clarksville, TN 37042. Dy: (502) 798-4444. Res: (615) 648-4590. S: Jeanine. Dy: Executive Office, B Co., 5-101 Avn Bn, 101st Avn Div, (AA). RW Qual. FW Qual. Time: 600 Hrs.

Agens, Bryan F., (CPT) 750 Ashfield Drive, Fayetteville, NC 28311-2004. Dy: (910) 396-2411. Dy: C Co., 1-229th Avn, Fort Bragg, NC. Rtg: AA. RW Qual. Time: 750 Hrs.

Aiken, Terry J., (1LT) 2005 Windrow Drive, Clarksville, TN 37042-5251. Res: (615) 551-9794. EM: 103601.3012@compuserve.com. S: Carol. Dy: US Army Student Detachment, Fort Jackson, SC. RW Qual. Time: 480 Hrs.

Albrich, Adam A., (2LT) 405 Navaho Drive, Enterprise, AL 36330. Res: (334) 393-5935. Dy: Student.

Alden, Timothy T., (2LT) (Tim) 104 Woodlawn Drive, Enterprise, AL 36330. Dy: (334) 255-9414. Res: (334) 347-2532. Dy: D Co., 1/145th. Time: 120 Hrs.

Alejo, Alex B., (2LT) 122 Crestview Drive, Enterprise, AL 36330. Dy: (334) 255-9090. Res: (334) 393-0570. Dy: D Co., 1/145th Avn Student. Time: 70 Hrs.

Alexander, Cara M., (CPT) HHD, 421st Evac Bn, CMR 467, Box 5928, APO AE 09096. EM: alexand@emhoehinger.army.mil. S: Mark. Dy: Evacuation Bn, Personnel Officer. RW Qual. Vp, Programs, Taurus Chapter.

Alexander, Stephen B., (CPT) (Blake) 115 Crestview, Enterprise, AL 36330. Dy: (334) 255-3344. Res: (334) 347-5689. EM: alexander@entercom.com. S: Lori. Dy: A Co., 1/145th, Fort Rucker. RW Qual. Time: 500 Hrs.

Alla, Craig J., (CPT) (Craig) 28 Kirby Street, Fort Rucker, AL 36362. Dy: 011-821-59-5085. EM: eanc-aip-afid@emh5.korea.army.mil. S: Darla. Dy: Airfield Commander, USA/Camp Page, Korea. RW Qual. Time: 450 Hrs.

Allen, Shawn D., (CPT) P.O. Box 620234, Fort Rucker, AL 36362-0234. Dy: (334) 255-1755. S: Karin. Dy: Small Group Instructor AVOAC, Fort Rucker, AL. Rtg: AA. RW Qual. Time: 980 Hrs./Cbt 24

AM/2. Past Chapter Officer.

Alley, David W., (CPT) (Gadget) 169 Whitehall Drive, Clarksville, AL 37042-5254. Dy: (502) 798-4161. Res: (815) 920-2141. EM: gadget8@aol.com. Dy: Bn Assistant S-3, 1-101st Avn (Air Assault). Rtg: AA. RW Qual. FW Qual. Time: 950 Hrs.

Allison, Kathy L., (2LT) 10 Ferguson Lane, Fort Rucker, AL 36362. Dy: (334) 255-9090. Res: (334) 598-6150. EM: kjal@msn.com. S: Charles. Dy: D Co., 1-145th Avn. RW Qual. Time: 100 Hrs.

Allmendinger, Joel N., (1LT/P) 9829 A Bearerly Loop, Fort Drum, NY 13603. Res: (315) 773-9153. S: Catherine. Dy: Aviation Liaison Officer, 10th Avn Bde, Fort Drum, NY. RW Qual. Time: 500 Hrs.

Allred, Kathleen, (2LT) (Kathy) 109 Pineridge, Enterprise, AL 36330. Dy: (334) 255-9090. Res: (334) 393-3128. S: Jeffrey. Dy: Flight Student, 1-145th.

Almeida, Pedro G., (CPT) FAO-Niamey, State Dept. Pouch Room, Washington, DC 20521-2420. Dy: (227) 72.26.81 Res: (227) 72-22-83. EM: ifyah94s@compuserve.com. Dy: FAO-Niamey. Rtg: SAA. RW Qual. Time: 1,200 Hrs. AM/1. 88 Aaaa Rotc Cadet.

Alpeter, Scott R., (CPT) 4364 B Walsh Street, Fort Knox, KY 40121. Dy: (502) 624-3008. Res: (502) 943-4112. EM: rtdknox@gilem-rga.army.mil. S: Diana. Dy: Commander, RTD, 8-229th Avn, Fort Knox, KY. Rtg: SAA. RW Qual. Time: 1,000 Hrs./Cbt 50 AM/3, 1V.

Altieri, Jayson A., (CPT) 4717A Walden Pond Drive, Raleigh, NC 27604. Dy: 011-507-284-3442. Res: (919) 876-7538. EM: altierj@emh4.panama.army.mil. S: Shelle. Dy: Adjutant, 1-228th Avn Regt, Fort Kobbe, Canal Zone. Rtg: AA. RW Qual. Time: 950 Hrs. Life Member.

Anderson, Cheryl L., (1LT) 1313 22nd Avenue, Apt. 2, Fairbanks, AK 99701-8552. Dy: (907) 353-7984. Res: (907) 456-7726. Dy: D Co., 4-123 Avn Regt, Fort Wainwright, AK. RW Qual. Time: 250 Hrs.

Anderson, Mark W., (CPT) B Troop, 6-8 Cav, CMR 416, Box 1075, APO AE 09140. Dy: DSN 4674-430. S: Mira. Dy: Troop Commander, Illnessheim, Germany. Rtg: AA. RW Qual. FW Qual. Time: 1,150 Hrs.

Anderson, Paul D., (CPT) HHC, 4th Brigade 1st ID, CMR 454, Box 2789, APO AE 09250. EM: anderson@emhoehinger.army.mil. S: Dawn. Dy: Assistant S-1. Rtg: AA. RW Qual. Time: 480 Hrs. Treasurer, Wings Of The Marine Chapter.

Anderson, Paul Bryce, (CPT) 283d Med Det (HA), Gaffney Road, Fort Wainwright, AK 99703. Dy: 353-6314. EM: pba@alaska.net. S: Nathalie. Dy: Operations Officer. RW Qual. Time: 370 Hrs.

Andrews, Cort W., (1LT) 436 Tartan Court, Fayetteville, NC 28311-1668. Dy: (910) 396-3884. Res: (910) 482-0581. S: Tosie. Dy: Liaison Off, HHC, 1/229th A&HR, Fort Bragg, NC. RW Qual. Time: 400 Hrs.

Angelo, Tony, (CPT(P)) 114 Yvonne Street, Enterprise, AL 36330. Dy: (334) 255-6347. Res: (334) 308-2258. S: Denell. Dy: Cdr, A Co., 1-223rd Avn (MTPC), Rtg: IP MTP. RW Qual. Time: 3,500 Hrs.

Ansley, Steve R., (1LT) 7 Cane Grinder Court, Savannah, GA 31419. EM: sansley@aol.com. S: Lisa. Rtg: IP. RW Qual. Time: 500 Hrs.

Arata, Nicholas D., (CPT) (Nick) 1-10 Avn Regt, 10422 5th Ar. Div. Dr., Fort Drum, NY 13602-5232. Dy: (315) 773-3757. Dy: B Co, Cdr. RW Qual. Time: 600 Hrs.

Arnold, John E., (2LT) 301 Silver Oak, Enterprise, AL 36330. Res: (334) 393-1074. Dy: Flight School, Fort Rucker, AL. Time: 120 Hrs.

Ash, Mikael, (CPT) (Mike) 7633 Shuttle Drive, Fayetteville, NC 28311. Dy: (910) 396-7910. Res: (910) 488-4937. S: Jennifer. Dy: Asst S-3, 229th Avn, Fort Bragg, NC.

Atkins, Charles L., (CPT) OMC/AV Apache Taft, Unit 64901, Box 18, APO AE 09839-4901. S: Lauri. Dy: Squadron Advisor, Egyptian Air Force. Rtg: AA. RW Qual. Time: 350 Hrs./Cbt 15

Ault, Robert T., (CPT) 34 Avellino Road, Fort Bragg, NC 28307. Res: (910) 496-1060. EM: theaults@aol.com. S: Kristi. Dy: 2-82 Avn Commander, C Co. Rtg: AA. RW Qual. FW Qual. Time: 1,800 Hrs.

Avila, Michael A., (CPT) (Mike) 8502 51st St W, University Place, WA 98467-1812. Dy: (206) 967-5484. Res: (206) 565-9357. EM: eagled36@aol.com. S: Ann. Dy: 85th Med Evac Bn, Fort Lewis, WA. RW Qual. Time: 1,200 Hrs./Cbt 6AM/2

Azubulke, Amanda I., (1LT) 8000 Waters Avenue, Apt. 184, Savannah, GA 31406-4972. Dy: (912) 352-6216. Res: (912) 354-7445. Dy: Shops Ptl Ldr, A Co. 603d ASB. RW Qual.

BBBBBBBBBBBBBBBBBBBB

Baer, Robert A., (CPT) (Bob) 16313-A Moran Place, Fort Polk, LA 71459. S: Jane. Dy: CGSC, Fort Leavenworth, KS. Rtg: SAA. RW Qual. Time: 1,200 Hrs. Past Chapter Officer.

Baez, Francisco R., (2LT) (Rock) 101 Livingston Street, Apt. 502, Daleville, AL 36322. Dy: (334) 245-9090. Res: (334) 598-1805. S: Veronica. Dy: D Co. 1/145th Avn.

Baker, Brent A., (2LT) 104 Pawnee, Enterprise, AL 36330. Dy: (334) 255-9090. Res: (334) 393-3521. Dy: Flight School Student.

Baker, Christopher, (1LT) 116 Jefferson Point Lane, No. 1A, Newport News, VA 23602. Dy: (757) 878-2289. Res: (757) 249-8960. Dy: Executive Officer, C 1/222d Avn Regt, Fort Eustis, VA. RW Qual. Time: 300 Hrs.

Baker, Donald R., (CPT) 1241 Crystal Drive, Clarksville, TN 37042. Dy: (502) 798-9126. Res: (615) 645-4274. EM: bakerd@campbell-emh5.army.mil. S: Diane. Dy: Company Commander, A Co. 3-101 Avn. Fort Campbell, KY. RW Qual. Time: 500 Hrs.

Baker, Thomas E., (CPT) (Tom) CMR 445, Box 1685, APO AE 09250. Dy: DSN 467-2880. S: Maria. Dy: HHC, 4th Bde, 1st ID, Katterbach, Germany. Rtg: AA. RW Qual. Time: 182 Hrs.

Bamford, Thomas W., (1LT) 1310 Hampstead Ave., Fairbanks, AK 99701. Dy: (907) 353-6880. Res: (907) 458-9070. S: Charleen. Dy: Exec. Officer, to Dep. Cdr., HQ US Army AK. RW Qual. Time: 800 Hrs.

Banning, Keith K., (CPT) 327 Southland Drive, Fayetteville, NC 28311. Dy: (910) 432-7770. Res: (910) 488-2788. S: Pam. Dy: Commander, HHC 1-82 ATK, Fort Bragg, NC. Rtg: IP. RW Qual. Time: 2,800 Hrs.

Barnes, James R., (CPT) (Bob) P.O. Box 620916, Fort Rucker, AL 36362. EM: bobandkrisbarnes@compuserve.com. S: Kris. Dy: Directorate of Combat Developments, Fort Rucker, AL.

Barnett, Stephen W., (1LT) (Stephen) 800 Tamarack Drive, Apt. 8114, Fayetteville, NC 28311. Dy: (910) 366-6964. Res: (910) 482-0141. S: Summer. Dy: D Co, AMC, 82nd Av Bde, Fort Bragg, NC. RW Qual. Time: 180 Hrs.

Barr, Glenn J., (CPT) High Desert Chap Treas., 5168 Paradise MTN Pl., #A, Fort Irwin, CA 92310. Dy: (619) 380-4415. Res: (619) 386-9446. EM: gjb1@tells.org. S: Janet. Dy: Attack Co Trainer, Eagle Team, A Co. Ops Group. Rtg: SAA. RW Qual. Time: 1,000 Hrs. Treasurer, High Desert Chapter.

Barrett, Thomas J., (2LT) 22098 Tennis Island Loop, Wellesley Island, NY 13640. Dy: (315) 772-3265. Res: (315) 482-7295. EM: barrett@drum-emh1.army.mil. Dy: 10 Avn Bde, 10th Min Div, Fort Drum, NY. RW Qual. Time: 147 Hrs.

Barry, Kate, (2LT) (Kate) P.O. Box 6136, Fort Gordon, GA 30905. Res: 011-82333690-8970. EM: pddm39c@prodigy.com. Dy: Platoon Leader, A Co. 252d Avn, Unit 15210, APO AP 96271-0146. RW Qual.

Bartee, Shane E., (CPT) 107 Middlesex Dr, Charlottesville, VA 22901. Res: (804) 977-6590. EM: bartees@aol.com. S: Susanna. Dy: Student, Univ. of Virginia. RW Qual. Time: 500 Hrs. Past Chap. Officer.

Bartlett, Heath S., (1LT) 1507 Stratford Drive, Killeen, TX 76542. Dy: (817) 287-4563. Res: (817) 634-6050. S: Marka. Dy: S4, 1-227th Avn,

4th Bde, 1st Cav Div, RW Qual. FW Qual. Time: 750 Hrs. Life Member. Past Chapter Officer.

Basham, Timothy A., (CPT) P.O. Box 6381, El Paso, TX 79906-0381. Dy: (915) 568-3558. Res: (915) 565-2537. EM: tbasham@aol.com. S: Michelle. Dy: Biggs AAF Commander, Fort Bliss, TX. Rtg: AA. RW Qual. Time: 600 Hrs.

Bass, David E., (CPT) (Dave) 3014 Wetherby Court, Fayetteville, NC 28306. Res: (910) 423-5762. Dy: 82nd Avn Bde. Rtg: AA. RW Qual. Time: 700 Hrs. Past Chapter Officer.

Batts, Stacy M., (CPT) 422 Holmes Drive, Slidell, LA 70460. Res: (334) 598-2140. Dy: CH47DAQC Flight Student, 1-145th Avn, Fort Rucker, AL.

Bauer, John W., (2LT) 5570 Whithorn Court, Fayetteville, NC 28311. Dy: (910) 396-2671. Res: (910) 822-4256. EM: jwbauer@aol.com. Dy: C-17th Cavalry, Fort Bragg, NC. RW Qual. Time: 245 Hrs.

Beatty, John D., (CPT) 9603 Oakington Drive, Fairfax Station, VA 22039. Dy: (703) 806-7289. Res: (703) 643-9570. EM: jbeatty27@aol.com. S: Sharon. Dy: Commander, C Co, 12th Avn Bn, Fort Belvoir, VA. Rtg: SAA. RW Qual. FW Qual. Time: 1,550 Hrs.

Beckey, Mark A., (1LT) 5104 James Loop, Killeen, TX 76542. Dy: (817) 288-7392. Res: (817) 628-7883.

Beerbower, Christopher, (1LT) 101 St. George Blvd., Apt. 7T, Savannah, GA 31419. Dy: (912) 352-5790. Res: (912) 927-7727. EM: clbeerbower@msn.com. S: Lisa. Dy: Platoon Leader, 1/AV-13 Avn, HAAF, GA. RW Qual. Time: 320 Hrs.

Behm, Darren W., (CPT) C Troop, 1/6 Cav Bde, Box 612, APO AP 96297-0626. Dy: 011-82-3718-2008. EM: eabh-1-6-dbehm@emh4.korea.army.mil. Dy: Troop Commander. Rtg: IP. RW Qual. FW Qual. Time: 1,300 Hrs./Cbt 20 AM/3. Bronze OSM.

Beilstein, Del L., (CPT) 2834 Morningdove Way, Enterprise, AL 36330. Dy: (334) 255-1755. S: Andrea. Dy: AVOAC Student. RW Qual. Time: 675 Hrs.

Belden, Kevin A., (2LT) 131 Wayah Creek Road, Apt. J, Fayetteville, NC 28314. S: Jennifer. Dy: 3/229th Avn Regt, Fort Bragg, NC. Rtg: SAA IP MTP. RW Qual. Time: 2,400 Hrs./Cbt 53 AM/2, 1V.

Belin, George S., (CPT) 237 Tunisia Road, Seaside, CA 93055. Res: (408) 899-6464. S: Molly. Dy: Student-Defense Language Institute, Monterey, CA. Rtg: AA. RW Qual. Time: 1,050 Hrs.

Bellet, Douglas B., (CPT) 1365 Mesquite Drive, Sierra Vista, AZ 85635. EM: belletd@aol.com. Dy: 244th Military Intelligence Battalion (Aerial Exploitation), RW Qual. FW Qual.

Bellone, Anthony P., (2LT) (Hammer) 53 Boyce Lane, Fort Rucker, AL 36362. S: Tammy. RW Qual. FW Qual. Time: 500 Hrs.

Benjamin, Andrew M., (2LT) (Marc) 2607 Schwermer Drive, Killeen, TX 76543. Dy: (817) 288-3535. Res: (817) 699-2365. EM: annberja@ibm.net. Dy: Scout Platoon Leader, E Troop, 1-1 Cav, Fort Hood, TX. RW Qual. Time: 250 Hrs.

Benjamin, Monica E., (2LT) 4400 Rucker Blvd., No. 3, Enterprise, AL 36330. Dy: (334) 255-9090. Res: (334) 308-2304. EM: mbenjamin@ala.net. S: Brock. Dy: Student, Fort Rucker, AL. RW Qual.

Benson, Charles E., (CPT) 3514 Hunter's Ridge Road, Woodlawn, TN 37191. Life Member.

Benson, Craig R., (CPT) 128 Sanford Avenue, Lyndhurst, NJ 07071. Res: (201) 531-1983. S: Nancy. Dy: 127th ASB, Hanau, Germany, 1st Armored Division.

Benson, Kelly A., (CPT) CMR 467, Box 5857, APO AE 09096. Dy: DSN 760-7264. CIV 49-611-712-301. S: Ronald. Dy: B Co, 1st MI Div, (AE). RW Qual. FW Qual.

Bentley, Michael P., (2LT) 113 Independence, Enterprise, AL 36330. Res: (334) 308-2777. Dy: Pilot, 1/1 Cav. RW Qual. Time: 175 Hrs.

Berg, Paul E., (2LT) 3436-A Thompson Circle, Wahiawa, HI 96786. S: Tanya. RW Qual. Time: 200 Hrs.

Bheodari, Balram J., (CPT) (B) 26 Diamond Circle, Fort Rucker, AL 36362. Dy: (334) 255-9663. Res: (334) 503-1147. EM: balram_bheodari@rucker-emh4.army.mil. S: Satya. Dy: HHC, 1/210th, Fort Rucker, AL. RW Qual. Time: 1,970 Hrs.

Biggs, Bradley S., (2LT) (Brad) 815 E. Lee, No. 3A, Enterprise, AL 36330. Res: (334) 393-2056. Dy: AD. RW Qual. Time: 170 Hrs.

Birdsell, Scott W., (1LT) 1386 William Suiters Lane, Clarksville, TN 37042-6729. Dy: (502) 798-6462. S: Wendy. Dy: C Troop, 2-17 Cav, 101st Airborne Division, Fort Campbell, KY. RW Qual.

Birdsong, Louis A., (CPT) 2024 Point Rd, Williamsburg, VA 23185. Res: (757) 887-9330. S: Ann. Dy: Full Time Student, College of William & Mary Law School. RW Qual. Time: 250 Hrs. 1991 Aaaa Rotc Cdt.

Bissell, Marti J., (CPT) B Co, 7/159 Avn., CMR 408, Box 550, APO AE 09182. Dy: 352-7879. S: Gary. Dy: Production Control Officer, Giebelstadt, Germany. Rtg: MTP. RW Qual. Time: 750 Hrs.

Black, Ronald C., (1LT) (Chris) 3449 Sandystone Circle, Fayetteville, NC 28311-2504. RW Qual. Time: 400 Hrs.

Bloch, Todd X., (CPT) HHC, 2-501st Avn Regt, CMR 477, Box 1193, APO AE 09185. Dy: DSN 322-7724/011-49-6183-51724. EM: 101777, 3361@compuserve.com. S: Brenda. Dy: Cdr. RW Qual. Time: 550 Hrs.

Blount, Kerry R., (CPT) 2-1 Avn Regt, CMR 454, Box 2148, APO AE 09250. Dy: 314/467-2175/2871. EM: blountk@email.ansbach. army. mil. S: Lisa. Dy: Company Commander. RW Qual. Time: 1,225 Hrs.

Blum, Gustavo E., (CPT) (Gus) 3303 Wyndham Circle, No. 0348, Alexandria, VA 22302. Dy: (703) 681-9160. Dy: Evaluation Officer, Operational Test & Evaluation Command. Rtg: AA. RW Qual. Time: 760 Hrs. AM/1. Life Member.

Boehnke, Matthew A., (CPT) (Bink) 6707 Clear Creek Drive, Arlington, TX 76001. Res: (817) 784-1693. EM: batman47@aol.com. S: Dawn. Dy: 5th Army RTD, NAS Dallas, TX. Rtg: AA. RW Qual. FW Qual. Time: 650 Hrs.

Boham, Robert S., (CPT) (Bob) 45th Med Co, CMR 454, Box 1965, APO AE 09250. S: April. Dy: 45th Medical Company (Air Amb), Ansbach, Germany. RW Qual. Time: 1,000 Hrs. Life Member.

Bolio, Brian C., (2LT) (Steve) 36 Agrillo Circle, Waltham, MA 02154. Dy: 721-2830. Res: (617) 890-0997. EM: eav.5bn@bolio.army.mil. S: Drew. Dy: 3-5 Platoon Leader, Camp Eagle, Korea. RW Qual.

Bonnell, Brett L., (CPT) 602 Herschbach Drive, Granite City, IL 62040. Dy: (314) 263-1002. Res: (618) 452-1521. S: Diane. Dy: Aide de Camp, US Army ATCOM. Rtg: AA MTP. RW Qual. Time: 450 Hrs. Bronze OSM.

Book, Robert J., (CPT) (Jeff) HHC, 11th Aviation, CMR 416, Box 100, APO AE 09140. EM: 11avns4@email.ansbach.army.mil. S: Regina. Dy: Brigade S4/Logistics Officer. Rtg: MTP. RW Qual. FW Qual. Time: 800 Hrs. AM/1.

Bora, Silviu F., (CPT) (Sal) JRTC Opns Grp Avn Div, 7440 California Av, Ste 101, Fort Polk, LA 71459-5318. RW Qual. Time: 700 Hrs.

Borman, James F., (CPT) (Jim) 1034 Hawthorn Rd, Allentown, PA 18103-6666. EM: eaid-ah-43a@emh4.korea.army.mil. S: Cheryl. Dy: 1-2nd Attack Helicopter Bn, Camp Page, South Korea. RW Qual.

Bosse, Scott P., (CPT) 5600 Tower Road, Fort Belvoir, VA 22060. S: Lydia. Dy: PERSCOM, Alexandria, VA. RW Qual. FW Qual. Time: 1,100 Hrs./Cbt 31 AM/3, 1V.

Bouma, Jeffery G., (1LT) 161 Aloha Drive, Fayetteville, NC 28311. Dy: (910) 396-2671. Res: (910) 630-3641. S: Jenny. Dy: 1-17 Cav, Fort Bragg, NC. RW Qual. FW Qual. Time: 815 Hrs.

Bowie, Jimmy D., (CPT) (Jim) 402 Chickasaw Road, Enterprise, AL 36330. Dy: (334) 255-9518. Res: (334) 308-2139. EM: jimmy_bowie@nucker-emh4.army.mil. S: Michelle. Dy: Combat Developments Staff Officer, USAAVNC, Dir of Combat Dev. RW Qual. Time: 800 Hrs.

Bowley, Leonard W., (CPT) (Len) Rising Sun Chap VP Prog, 76th Aviation Bn, Box 44, APO AP 96338-5007. Dy: DSN 263-4243 COMM 011-81-3117-63-7429. S: Cheryl. Dy: A Co Cdr, Camp Zama, Japan. Rtg: SAA IP SIP IFE. RW Qual. FW Qual. Time: 5,200 Hrs. Vp, Programs, Rising Sun Chapter.

Boyer, Kory E., (2LT) 608 Antler Drive, Enterprise, AL 36330. Dy: (334) 255-9090. Res: (334) 393-8939. Dy: D Co, 1/145th.

Braddom, Steven R., (1LT(P)) 293 Candlebrook Drive, Enterprise, AL 36330. Res: (334) 347-4075. EM: braddom@snowhill.com. S: Jennifer. RW Qual. Time: 360 Hrs.

Brenneman, Jerome S., (1LT) (Rome) 1865-2 Sardonyx Drive, Fayetteville, NC 28303. Dy: (910) 398-5756. Res: (910) 860-2864. EM: romeb58d@aol.com. Dy: Platoon Leader, 4/2 ACR Ft. Bragg, NC.

RW Qual. FW Qual. Time: 500 Hrs. Life Member.

Bresser, David M., (2LT) 2003 Shannahan Dr, No. B, Fort Campbell, KY 42223-1197. S: Devon. Dy: 5-101st Avn, FL Campbell, KY.

Brewer, Christopher, (CPT) (Chris) P.O. Box 3547, Fort Polk, LA 71459. Dy: (318) 531-9604. EM: incjbrewer@aol.com. S: Larissa. Dy: JRTC. Rtg: MTP. RW Qual.

Brewer, Reid S., (2LT) 6th Aviation, CMR 427, Box 475, APO AE 09630. Dy: 011-39-444-530-682. Res: 011-39-444-517-885.

Brinkman, Howard M., (CPT) (Mike) 10166 Golden Glen East, Tacoma, WA 98445. Dy: (206) 543-9010. Res: (206) 537-7195. EM: hbrinkman@aol.com. S: Paula. Dy: Assistant Professor of Military Science, Univ. of Washington. Rtg: IP. RW Qual. FW Qual. Time: 1,200 Hrs./Cbt 11 AM/1. Life Member.

Brinson, Robert W., (CPT) (Bob) 72nd Med Det, CMR 408, Box 71, APO AE 09182. S: Amy. Dy: AVUM Ptl Ldr.

Bristol, David P., (CPT) 5009 James Loop, Killeen, TX 76542. Dy: (817) 288-3087. Res: (817) 634-3623. S: Katrina. Dy: 2 Battalion, 4th Bde Avn, 4th ID, S3 Operations Ofc. Rtg: AA. RW Qual. Time: 650 Hrs.

Brophy, Michael D., (CPT) (Mike) 1106 Lambrosco Drive, Harker Heights, TX 76548. Dy: (817) 287-0623. Res: (817) 698-2151. EM: brokdog@aol.com. Dy: Assistant Bde S-3, 4th Bde, 1st Cav Div. Rtg: AA. RW Qual. Time: 400 Hrs.

Brouse, Edwin C., (CPT) (Eddie) 3296 Backridge Road, Woodlawn, TN 37191. Dy: (615) 798-4282. Res: (615) 503-1884. EM: airtoair@aol.com. Dy: Fort Campbell, KY. RW Qual.

Brown, Kelly C., (2LT) Unit 15518, Box 781, APO AP 96205. Dy: DSN 741-8634. EM: coppin@soback.kornet.nm.kr. Dy: D Company XO, D/1-52nd Avn, K-16 Korea. Rtg: AA. RW Qual.

Brown, Robert S., (CPT) (Scott) 501 Pelham Drive, Apt. M202, Columbia, SC 29209. Dy: (803) 806-1719. Res: (803) 776-4764. S: Monica. Dy: 1-151 SCARNG, Chief RTB, Columbia, SC. RW Qual. Time: 890 Hrs./Cbt 75 Life Member.

Brown, Randall K., (CPT) (Randy) 104 Junco Way, Savannah, GA 31419. Dy: (912) 352-6031. Res: (912) 925-1083. EM: rkbrown@hangray.com. S: Kathy. Dy: Operations Officer, 6 Bde, 1st Regt RCT, HAA, Savannah, GA. Rtg: SAA. RW Qual. Time: 1,010 Hrs./Cbt 50 AM/2.

Brown, William E., (CPT) (Bill) HHD, 164 ATS Group, Unit 15276, Box 50, APO AP 96205. Dy: 724-3277. Res: 738-7320. Dy: Yongsan Korea-Company Commander. RW Qual. Time: 300 Hrs.

Brownlee, Emory W., (CPT) (Buddy) 5166 B Paradise Mtn. Loop, Fort Irwin, CA 92310. Dy: (916) 380-5544. Res: (916) 380-2945. S: Gay Denise. Dy: Observer Controller, LZ Team, NTC. Rtg: SAA. RW Qual. Time: 1,000 Hrs./Cbt 10 AM/1.

Brucker, Todd E., (CPT) 5157 Hagood, Fort Bliss, TX 79906. Dy: (915) 568-9677. Res: (915) 565-0844. EM: tebrucker@aol.com. S: Kelle. RW Qual. FW Qual. Time: 1,300 Hrs.

Bucher, Richard A., (CPT) (Rick) 108 St. Ives Way, Savannah, GA 31419. Dy: (912) 352-6147. Res: (912) 925-6779. EM: bucherr@soar.net. S: Meri. Dy: 3/160 SOAR, HAA, FW Qual. Time: 1,500 Hrs./Cbt 80 AM/1.

Buck, Christopher, (2LT) 125 Wynn Road, Enterprise, AL 36330. Res: (334) 393-5704. Dy: Student.

Buckley, Mark, (CPT) (Buck) 117 W Emerald Drive, Enterprise, AL 36330-1632. Dy: (334) 255-8413. S: Rose Mary. Dy: Cdr, C Co, 1-223rd Avn ATB, Fort Rucker, AL. RW Qual.

Bueno, Ernesto, (CPT) (Ernie) 106 Blackhawk Drive, Daleville, AL 36322. Dy: (334) 255-3344. Res: (334) 598-9351. S: Lulu. Dy: Aviation Officer Advanced Course, A Co, 1-145th Avn Regt Fort Rucker. RW Qual. Time: 570 Hrs.

Bukowski, Vince J., (2LT) 217 Skyline Drive, Daleville, AL 36322. Dy: (334) 255-8513. Res: (334) 598-2439. Dy: Ptl Ldr, HHC, 1-223 Avn, Fort Rucker, AL. RW Qual. Time: 550 Hrs.

Bulsec, Jonathan D., (1LT) (Jon) 16216-B Richmond Street, Fort Polk, LA 71459. Dy: (318) 531-0582. Res: (318) 535-0958. EM: bulsecj@polk-emh2.army.mil. S: Robyn. Dy: Regimental S-3 Air, RHHT, 2nd Armored Cav Regt. RW Qual. Time: 400 Hrs.

Burrow, Kyle J., (CPT) 89 N. Harris, Fort Rucker, AL 36362. Res:

(334) 598-9230. S. Connie.

Busch, Steven R., (CPT(P)) 32 Ripley Drive, Redstone Arsenal, AL 35808-1046. Dy: (205) 876-4626. Res: (205) 830-8070. EM: sbusch@bellsouth.net. S. Susan. Dy: Contract Specialist, Aviation & Missile Command, Redstone Arsenal, AL. Rtg: AA, RW Qual. Time: 950 Hrs./Cbt 15 AM/1. Past Chapter Officer.

Bulora, John A., (2LT) C7-158 Avn Regt., CMR 408, Box 1431, APO AE 09182. Dy: DSN 352-7625. Res: 011-49/9336-90183. Dy: Platoon Leader, Giebelstadt AAF, Germany. RW Qual. Time: 500 Hrs.

Byrd, Charles T., (1LT) (Chuck) 5226B Irroquois Avenue, Ewa Beach, HI 96706. Dy: (808) 656-0450. Res: (808) 499-1020. EM: 102706.231@compuserve.com. S. Melissa. Dy: Avn Unit Maintenance Platoon Leader, B Co, 214th Avn Regt. RW Qual. FW Qual. Time: 700 Hrs. Wo Sch. Recipient.

CCCCCCCCCCCCCCCCCCCC

Cameron, Gregory D., (CPT) 3341 Tara Boulevard, Clarksville, TN 37042. Dy: (502) 798-3355. Res: (703) 553-5083. EM: glcam@aol.com. S. Janie. Dy: Cdr, A Co, 9-101 Avn, Fort Campbell, KY. RW Qual. Time: 850 Hrs.

Campbell, Charles B., (CPT) (Brent) 63 E. Harris Drive, Fort Rucker, AL 36362. EM: cbcamp@aol.com. S. Ashley. Dy: 229th Avn Regt, Fort Bragg, NC. Rtg: AA, RW Qual. Time: 700 Hrs.

Camp, Andrew C., (CPT) (Drew) 908 Village St, Leavenworth, KS 66048. Dy: (913) 684-8404. Res: (913) 682-8668. S. Kelly. Dy: World Class OPFDR. Rtg: SAA. RW Qual. Time: 1,100 Hrs./Cbt 200 AM/2, 1V.

Cannon, Kathleen A., (CPT) (Katie) P.O. Box 1121, Fort Belvoir, VA 22080. Dy: (703) 805-7647. Res: (703) 799-5842. EM: rathedie@aol.com. Dy: Commander, D Co, 12 Avn Bn, Fort Belvoir, VA. RW Qual. Time: 800 Hrs.

Canitwell, Maureen C., (MAJ) 107 Boyd Lane, Enterprise, AL 36330. Dy: (334) 255-3022. S. Gregory. Dy: Plans & Ops Officer, Air Maneuver Battle Lab. RW Qual. Time: 1,003 Hrs.

Carey, Thomas J., (2LT) (D.T.) HHC 1-2 Avn Regt, Unit 15008, Box 164, APO AP 96208. Dy: 721-5927. Res: 721-5454. EM: eaid-ah-ic@emh4.korea.army.mil. Dy: Camp Page, Korea. RW Qual.

Carlie, Christopher, (CPT) (Chris) 701 Elm Road, Elizabethtown, KY 42701. Dy: (502) 626-2225. Res: (703) 763-0554. EM: carliec@fkmc-emh9.army.mil. S. Sandra. Dy: Executive Officer, Avn Bn, 1st RTB. Rtg: SAA MTP. RW Qual. Time: 2,100 Hrs./Cbt 130 AM/1.

Carlisle, Leslie W., (CPT) 510 Stoney Creek Drive, Sanford, NC 27330. Dy: (910) 396-3303. Res: (919) 499-0469. EM: carlisli@emh5.bragg.army.mil. S. Vincent. Dy: Co Cdr, B Co, 229th Avn Regt, Fort Bragg, NC. RW Qual. FW Qual. Time: 500 Hrs.

Carlisle, William M., (2LT) (Bill) 66 Red Cloud Road, Fort Rucker, AL 36362. Dy: (334) 255-9090. Res: (334) 598-8216. S. Anne. Dy: AD, AVOCB/IERW, 1-145th D Co, Fort Rucker, AL. Time: 80 Hrs.

Carpenter, Forrest L., (CPT) ISD, 532 MI Bn, Unit 15631, APO AP 96218-0344. Dy: 764-5886. Res: 764-4897. EM: carpentef@aol.com. S. Nickie. Dy: Camp Walker, ROK. Rtg: AA. Time: 650 Hrs./Cbt 10

Carpenter, Vincent D., (2LT) (Vince) 505 Briarwood, D3, Enterprise, AL 36330. Res: (334) 393-9068. EM: vcarpen@juno.com. Dy: Germany. RW Qual. Time: 160 Hrs.

Carroll, Clarence L., (CPT) (Rob) 53 End Avenue, Fort Rucker, AL 36362. Dy: (334) 255-2118. Res: (334) 503-5089. EM: rcarrow62@aol.com. S. Didi. Dy: HHC, 1-210th Avn. RW Qual. Time: 1,200 Hrs. Past Chapter Officer.

Carter, Andrew T., (2LT) (Andrew) 114 Chestnut, Copperas Cove, TX 76522. Dy: (817) 288-1034. Res: (817) 518-3420. Dy: 1-7 Cav, 1CD, Fort Hood, TX.

Carvan, John G., (2LT) P.O. Box 620482, Fort Rucker, AL 36362. Dy: (334) 255-9090. Res: (334) 503-9090. Dy: Flight School Student.

Catchings, Nicholas S., (CPT) (Senn) HHT, 6-6 Cavalry, CMR 416, Box 390, APO AE 09140. EM: 66cavs1@email.ansbach.army.mil. S. Camille. Dy: HHT, 6-6 Cavalry, 11th Avn Regt, Ilesheim, Germany. RW Qual. Time: 520 Hrs. Life Member. Vp, Membership Enrollment, Talon Chapter.

Chapman, David P., (CPT) 11131 NE 141st Place, Kirkland, WA 98034. Dy: (206) 543-9960. Res: (206) 485-7584. EM: dchaps@aol.com. S. Monica. Dy: USASD w/duty, U. of Washington, Seattle, WA. RW Qual. Time: 800 Hrs. AM/1.

Chase, Young D., (2LT) (Young) 295 Candlebrook Dr, Enterprise, AL 36330. Res: (334) 347-3577. EM: ydchase@sala.net. Dy: Student Aviator.

Cheney, II, David R., (1LT) 140 Spring Street, DaRidder, LA 70634. Res: (318) 463-7927. EM: davecii@aol.com. RW Qual. Time: 400 Hrs. Life Member.

Cherot, Kevin K., (CPT) (Heavy B) 505 Antler Dr, Enterprise, AL 36330. Dy: Adv. Course, Fort Rucker, AL. RW Qual. Time: 650 Hrs.

Chew, George E., (CPT) 24 Serata Drive, Bridgeton, NJ 08302. Res: (809) 455-6445. EM: g.a.chew@juno.com. S. Shannon. Dy: Pilot, 17th Avn Bde. RW Qual. FW Qual.

Chism, Richard A., (CPT) (Rich) 52 Egrets Nest Lane, Richmond Hill, GA 31324. Dy: (912) 767-1424. Res: (912) 756-6434. S. Rachael. Dy: D Troop, 3-7 Cav Cdr, Fort Stewart, GA. RW Qual. Time: 850 Hrs. Past Chapter Officer.

Choquette, Sean M., (1LT) 230 General Grant Drive, Sackets Harbor, NY 13885-9509. Dy: (315) 772-5915. Res: (315) 646-8231. EM: schoque425@aol.com. Dy: Battalion S-3 (Avn), Fort Drum, NY. Rtg: AA. RW Qual. Time: 520 Hrs.

Clark, Brett M., (CPT) 183 Whitehall Dr, Clarksville, TN 37042. Dy: (800) 856-3801. Res: (615) 552-6655. EM: clarkszoo@usit.net. S. Susan. Dy: Student Det., Fort Jackson, SC. RW Qual. Time: 612 Hrs.

Clark, Daniel L., (CPT) (Danno) 29 Johnson Street, Fort Rucker, AL 36362. Dy: (334) 255-9414. Res: (334) 503-1115. EM: clarkdl@aol.com. S. Claudia. Dy: Platoon Trainer, AVOCB, D Co, 1-145th, Fort Rucker, AL. RW Qual. FW Qual. Time: 525 Hrs.

Clark, Frank S., (CPT) 109 Cunningham Place, Apt. B, Clarksville, TN 37042. Dy: (502) 798-2148. Res: (615) 905-0649. S. Yong Son. Dy: Commander, D Troop, 2-17 Cavalry, Fort Campbell, KY. RW Qual. Time: 850 Hrs.

Clark, Steven B., (CPT) 16304 E Moran Street, Fort Polk, LA 71459. Dy: (318) 531-4801. Res: (318) 535-9335. EM: sclar1653@aol.com. Dy: H Co, 159th Avn Regt, RSS 2d ACR, Fort Polk, LA. Rtg: AA MTP. RW Qual. Time: 750 Hrs. Past Chapter Officer.

Clark, Thomas A., (CPT) (Tom) 380 Royal Street, McDonough, GA 30253. Res: (770) 898-8277. S. Doren. Time: 501.

Clifford, Frederick E., (CPT) (Fred) 124 Blackhawk Drive, Daleville, AL 36322. Res: (334) 598-8227. S. Lisa. RW Qual. Time: 770 Hrs. Past Chapter Officer.

Climer, Charles T., (CPT) (Tom) 5764 Heritage Hill Drive, Alexandria, VA 22310. Dy: (703) 325-4384. Res: (703) 329-1735. EM: climerc@hoffman-emh1.army.mil. Dy: Assignment Officer, PERSCOM, Alexandria, VA. Rtg: SAA. RW Qual. Time: 900 Hrs.

Cline, Andrew, (2LT) 292 Audrea Lane, Clarksville, TN 37042. Dy: (502) 798-9370. Res: (615) 503-1773. S. Beth. Dy: Company XO, 5/101st Avn, Fort Campbell, KY. RW Qual. Time: 150 Hrs.

Cline, Nathan S., (1LT) 2-501st Avn, CMR 477, Box 1602, APO AE 09165. Dy: DSN 322-7793. Res: 06183-72373. S. Sally. Dy: B, 2-501st Avn, Fliegerhorst KAS, Germany. RW Qual. Time: 250 Hrs.

Clyde, William D., (1LT) (Casey) 3821 Scotty Lane, Enterprise, AL 36330-4936. Res: (334) 347-8872. S. Vanessa. Dy: Student, D Co, 1-145th Avn Regt. Time: 101 Hrs.

Coffman, Carl R., (CPT) 812 South Valley Drive, Lansing, KS 66043. Dy: (913) 684-5901. Res: (913) 727-9837. S. Karen. Dy: Battle Command Training Program, Fort Leavenworth, KS. Rtg: SAA. RW Qual. Time: 1,200 Hrs.

Colcord, Scott R., (CPT) 154 Lakewood Drive, Daleville, AL 36322. Dy: (334) 255-3344. Res: (334) 503-9048. Dy: A/1-145th Avn Regt. Rtg: AA. RW Qual. Time: 600 Hrs.

entercomp.com. S: Lynn. Dy: Student Adv Course, 1/7th Cav. Rtg: AA. RW Qual. Time: 700 Hrs.

Hannah, Mark W., (CPT) 125 Zarley Drive, Copperas Cove, TX 76522. Res: (817) 547-2370. S: Amber. RW Qual. Time: 638 Hrs./Cbt 70 AM/2.

Hanson, Douglas D., (CPT) (Doug) 1311 Venessa Drive, Clarksville, TN 37042. Res: (615) 572-0800. S: Heidi. Dy: Asst S3, Fort Campbell, KY. RW Qual. Time: 450 Hrs.

Haraldsen, Johan C., (CPT) 2319 Covenant Drive, Bloomington, IN 47401. Dy: (812) 336-3873. EM: jharalds@indiana.edu. Dy: Adv Civ School, Indiana University.

Harper, Fred, (CPT) (Fred) CMR 460, Box 443, APO AE 09703. Dy: (619) 380-5540. S: Lori. Dy: AFCEC Headquarters. Bronze OSM.

Harrison, Jon M., (CPT) 301 Ridge Bluff Court, Norman, OK 73071. Res: (405) 447-2878. S: Linda. Dy: G Co, 52nd Avn, Camp Eagle, Korea. RW Qual. Time: 1,100 Hrs.

Harris, Lorenzo, (CPT) (Lorenzo) Box 5841, APO AE 09096. Dy: DSN 337-6795 COMM 011-49-611-705-6795. Res: 011-49-611-711-6634. S: Martha. Dy: Bde S-3 Opns Officer (12th Avn Bde) Wiesbaden, Germany.

Harris, Victor H., (2LT) 118 Flint Creek Drive, Richmond Hill, GA 31324. Dy: (912) 352-5419. Res: (912) 756-6388. S: Cheryl. Dy: Plt Ldr, Hunter Army Airfield, GA. RW Qual.

Hartigan, Paul B., (CPT) 1360 Coolcrest Drive, Colorado Springs, CO 80906. Dy: (719) 526-2433. Res: (719) 579-5410. EM: phartico@access.usa.net. Dy: Cdr, Nomad Troop, 4/3 ACR, Fort Carson, CO. RW Qual. Time: 550 Hrs.

Hasse, Oliver L., (1LT) CMR 467, Box 3892, APO AE 09098. Dy: XO, HHC, 12th Avn Bde, Wiesbaden, Germany. RW Qual. Time: 500 Hrs.

Hautler, Keith W., (1LT) 517F Rimrock Terrace, Fort Riley, KS 66442. Dy: (913) 239-2234. Res: (913) 784-4264. Dy: XO, Fort Riley, KS. RW Qual. Time: 480 Hrs.

Hawkins, James A., (CPT) (Hawk) 98-1038 Hapaki Street, Aiea, HI 96701. Dy: (808) 656-2641. S: Kat Moran. RW Qual. FW Qual. Time: 520 Hrs.

Hawley, Kenneth A., (CPT) (Ken) 1107 Chablis Drive, Harker Heights, TX 76548. Dy: (817) 287-9919. Res: (817) 898-2681. EM: hawkley@hood-emh3.army.mil. S: Grace. Dy: Commander, D/1-10 Cav, Fort Hood, TX. RW Qual. Time: 500 Hrs.

Haynie, Bradley E., (2LT) (Brad) 312 E. Emerald Drive, Enterprise, AL 36330. Res: (334) 347-9527. Dy: Fort Rucker, AL.

Heape, Glen E., (1LT) HHT, 2-6 Cavalry, CMR 416, Box 938, APO AE 09140. Dy: 09841-83-802. S: Laura. Dy: III/V Platoon Leader, Illsheim, Germany. RW Qual. Time: 475 Hrs.

Hebert, Jennifer S., (CPT) 104 Harmon Creek Drive, Savannah, GA 31406. S: Michael. Dy: Hunter Army Airfield. RW Qual. Time: 220 Hrs.

Heffernan, Kelly A., (CPT) 109 Sugar Mill Circle, Savannah, GA 31419. Dy: (912) 787-1423. Dy: 3-7 Cav, Fort Stewart, GA. RW Qual. Time: 500 Hrs.

Heffernan, Mark L., (CPT) (Mark) 125 S. Washington Street, Carthage, NY 13619. S: Jan. Dy: Production Control Officer, C Co, 10th Avn, Fort Drum, NY. RW Qual. FW Qual. Time: 1,090 Hrs.

Heikamp, Dean D., (CPT) (Dean) ALMC SA 97 002 2401, Qtrs Road, No. 2106, Fort Lee, VA 23801-1705. Rtg: SAA MTP. RW Qual. Time: 1,410 Hrs./Cbt 112 AM/1.

Helm, Eric G., (CPT) (Flash) 4908 Mikey Drive, Killeen, TX 76542-3871. Dy: (817) 287-4252. Res: (817) 554-5860. EM: bhelm@sagelink.net. S: Barbara. Dy: Brigade Adjutant, 4th Bde, 1st Cav, Fort Hood, TX.

Helsel, Bryan S., (1LT) 3418 Clearwater Drive, Clarksville, TN 37042. Dy: (502) 798-9511. Dy: HHT, XO, 2-17 Cavalry, Fort Campbell, KY. RW Qual. FW Qual. Time: 400 Hrs.

Henderson, Dale L., (CPT) (Turtle) 51775-2 Comanche Circle, Fort Hood, TX 76544. Dy: (817) 288-1028. Res: (817) 539-6353. EM: turtle@gn-link.com. S: Adrianna. Dy: E Trp, 1-7 Cav, 1st Cav Div, Troop Cdr. RW Qual. Time: 750 Hrs. Past Chapter Officer.

Henderson, Joseph P., (CPT) (Joe) 535 Peterson Lane, Maryville,

TN 37803. Res: (423) 977-0267. S: Kye Hwa. Dy: Graduate Student, USASD, Fort Jackson, SC. RW Qual. FW Qual. Time: 1,100 Hrs.

Heneghan, Jeremiah S., (CPT) (Jerry) 156 Manhattan Ct, Cary, NC 27511. Dy: (919) 864-7619. Res: (919) 481-0177. EM: sjhenegh@bellsouth.com. Dy: RTD: 1-130th ATKHB. RW Qual. Time: 550 Hrs.

Henry, Todd M., (CPT) 445 Wise Avenue, Red Lion, PA 17356. Res: (717) 244-6239. EM: henrytj@gmail.com. ansbach.army.mil. S: Donna. Dy: Battalion Adjutant-2-1 Avn Regt, Katterbach, Germany. RW Qual. Time: 880 Hrs.

Herlihy, Matthew B., (2LT) (Matt) CMR 3, Box 7165, Fort Rucker, AL 36362. Res: (334) 598-3516. EM: mherlihy@snowhill.com.

Herne, David M., (2LT) 101 Livingston St., Apt. 706, Daleville, AL 36322-2040. Dy: (334) 255-9090. Res: (334) 503-1381. Dy: Aviation Student, D Co, 1/145 Avn.

Herrera, Saul, (CPT) 120-B Illamo Drive, Fort Richardson, AK 99505-0402. Dy: (907) 384-1235. Res: (907) 428-1968. EM: saulh@micronet.net. S: Shannon. Dy: AD, HHC, Fort Richardson, AK. RW Qual. Time: 450 Hrs.

Herrick, Mary B., (CPT) (Mary) 717 B Vought Avenue, Wahiawa, HI 96786. Dy: (808) 658-0430. Res: (808) 624-3362. EM: bkhwdvr@aol.com. S: Carl. Dy: Battalion S-1, 2-25th Avn Regt, Wheeler Army Airfield, HI. RW Qual. Time: 500 Hrs.

Herrmann, Joe J., (CPT) HHC, 12th Avn Bde, CMR 467, Box 4316, APO AE 09098.

Hersey, Neil S., (CPT) CMR 430, Box 927, APO AE 09098-4310. Dy: 0049/611-705-5153. Dy: 1st Ml Bn (AE), Wiesbaden, Germany. RW Qual. FW Qual. Time: 1,400 Hrs.

Hershman, David R., (CPT) 114 St. Ives Drive, Savannah, GA 31419. Dy: (912) 352-6640. Res: (912) 920-6846. EM: hershmand@soa.net. S: Jennifer. Dy: Company Commander, Hunter Army Airfield. Rtg: SAA. RW Qual. FW Qual. Time: 1,300 Hrs.

Hester, Jason L., (2LT) 111 Pineridge Drive, Enterprise, AL 36330. Dy: (334) 255-9090. Res: (334) 347-6473. EM: 105271.1446@compuserve.com. Dy: AVOBC, Fort Rucker, AL.

Hevel, James R., (CPT) (P) (Jim) HHD, 7-159th Avn Regt, CMR 416, Box 1897, APO AE 09140. Dy: DSN 467-7982. EM: havelj@ansbach.army.mil. S: Deborah. Dy: Bn Supt Opns Officer. Rtg: MTP. RW Qual. FW Qual. Time: 725 Hrs.

Higgins, Tommy R., (CPT) 1039 Angela Drive, Clarksville, TN 37042. Dy: (502) 798-9383. S: Donna. Dy: Company Commander, C Co, 3-101st Avn Regt, Fort Campbell, KY. RW Qual. Time: 870 Hrs.

High, Steve W., (MAJ) P.O. Box 162, Quantico, VA 22134. S: Catherine. Dy: Student, Marine Corps CSC.

Hill, Matthew B., (2LT) 232 Candlebrook Drive, Enterprise, AL 36330. Res: (334) 393-2320. S: Andrea. RW Qual.

Hinkle, Burl S., (CPT) 203 Arapaho Court, Enterprise, AL 36330. Res: (334) 393-6789. EM: burth@aol.com. S: Tara. Dy: 2nd Infantry Div, Korea. RW Qual. Time: 480 Hrs.

Hinshaw, Frederick M., (2LT) (Rick) 302 Meadowlark Lane, Enterprise, AL 36330. Dy: (334) 255-9090. Res: (334) 393-8184. Dy: D Co, 1/145th.

Hoberecht, Randall W., (2LT) 405 Navaho Drive, Enterprise, AL 36330-2111. Res: (334) 393-5935.

Hobson, Joshua A., (2LT) (Hobby) 115 Pineridge Dr., Enterprise, AL 36330. Res: (334) 393-7267. Dy: Student Aviator, D Co, 1-145th Avn.

Holcomb, Jeffrey R., (CPT) PSC 38, Box 119, APO AE 09456. Dy: (334) 255-4279. S: Shannon. Dy: Personnel Exchange Program, Army Air Corps, England. Rtg: IP. RW Qual. Time: 1,800 Hrs.

Hornbarger, Christopher, (CPT) (Chris) 24356 NY Route 12, Watertown, NY 13601. Dy: (315) 772-6155. Res: (315) 772-3686. EM: hornbarger@drum-emh4.army.mil. S: Beth. Dy: Headquarters Commandant, 10th Mtn Div (LI), Fort Drum, NY. RW Qual. Time: 750 Hrs. Past Chapter Officer.

Horton, Grace E., (2LT) D Co, 1-145th Avn, CMR 3, Box 7384, Fort Rucker, AL 36362. Dy: (334) 255-9090. Res: (334) 598-8625. Dy: AVOBC Student.

Hoskyn, John M., (CPT) (Mark) 1811 Hayne Drive, Dothan, AL

36301. Res: (334) 792-5477. EM: jmarkhskyn@aol.com. Dy: Fort Rucker. RWQual. Time: 560 Hrs.

Howard, Paul D., (CPT) CMR 477, Box 1103, APO AE 09165. Dy: DSN 322-7619. Res: 011-496-0023-4380. EM: howardp@gmail.com. hanau.army.mil. Dy: D Co, 2-501st Avn Regt, 4th Bde, 1AD, Hanau, Germany. RWQual. Time: 650 Hrs.

Howe, Jason A., (CPT) 3702 Misty Way, Clarksville, TN 37042. Dy: (502) 798-2074. Res: (615) 553-8097. S: Kathleen. Dy: Executive Officer, A Co, 7-101 Avn, Fort Campbell, KY. RWQual. Time: 600 Hrs.

Hubbell, Dennis M., (2LT) P.O. Box 85065, Fairbanks, AK 99708. Dy: (907) 353-7260. Res: (907) 457-4827. S: Margaret. Dy: 1st Flt Plt Ldr, B Co, 4/123rd Avn "Sugarbeats", Fort Wainwright, AK. RWQual. Time: 200 Hrs.

Hunnicut, Jack C., (1LT) 880 Oxford Lane, Apt. 316B, Colorado Springs, CO 80908. Dy: (719) 526-9649. Res: (719) 577-4420. Dy: Platoon Leader, Fort Carson, CO. RWQual. Time: 371 Hrs.

Hutson, Robert W., (CPT) HHC 12th Aviation Bde, CMR 467, Box 5192, APO AE 09086. Dy: 011-496-11705-0036. Res: 011-496-117-14025. EM: hutsonr@12avn.wiesbaden.army.mil. S: Pamela. Dy: Co Commander, Wiesbaden, Germany. RWQual. Time: 400 Hrs.

Hyder, Lee D., (CPT) 1234 Arancia Drive, Fayetteville, NC 28314. Res: (910) 860-2913. S: Jeannie. Dy: A/159th Avn Regt. RWQual. Time: 650 Hrs.

Isaacson, Matthew L., (2LT) (Matt) 124 Gunter Ln, Enterprise, AL 36330. Dy: (334) 255-9090. Res: (334) 393-9589. EM: misaacson@al.net. S: Ann Maria. Dy: D Co, 1/145th Avn. Time: 80 Hrs.

Ivey, James R., (CPT) 5705 A Woodlawn Gable Dr, Alexandria, VA 22309. Res: (703) 799-3680. S: Lisset. Jackman, Scott, (1LT) 40 Jack Snipe Ct. W., Richmond Hill, GA 31324. Dy: (912) 767-4475. Res: (912) 756-2521. EM: ssjackman@aol.com. Dy: 3rd Cavalry, Ft. Stewart, GA. Time: 550.

Jackman, Brett G., (2LT) 112 Buckridge Avenue, Enterprise, AL 36330. Dy: (334) 255-9090. Res: (334) 393-9033. Dy: Student. RWQual. Time: 155 Hrs.

Jalufka, Philip W., (1LT) (Philip) 320 Dunbrook Drive, Clarksville, TN 37043. Dy: (507) 796-7234. Res: (615) 358-5074. EM: plumbush94@aol.com. S: Christine. RWQual. Time: 400 Hrs.

James, Gregory K., (CPT) (Greg) P.O. Box 457, Oak Grove, KY 42262. Dy: (615) 905-1119. EM: jamesgr@bellsouth.net. RWQual. Time: 1,100 Hrs./Cbt2

James, Jack A., (CPT) (Jack) 94-1065 Anania Circle, Apt. 24, Millani, HI 96789. Dy: (808) 658-4548. Res: (808) 625-0432. S: Annette. Dy: Aik Bn S-4. Rtg: AA. RWQual. Time: 700 Hrs.

Jamison, Terry J., (CPT) (T.J.) 216 Anderson St, Whiteville, NC 28472. Dy: (760) 380-4415. Res: (760) 386-1335. S: Tawnya. Dy: NTC, Co Trainer, Fort Irwin, CA. Rtg: AA. RWQual. Time: 1,750 Hrs.

Janosik, Gregory J., (CPT) (Greg) 8605 Beech Hollow Lane, Springfield, VA 22153. Dy: (703) 706-2024. Res: (703) 455-1443. EM: gjanosik@vulcan.bellarmy.mil. S: Maria. Dy: INSCOM Aviation Officer, Fort Belvoir, VA. Rtg: SAA. RWQual. FWQual. Time: 1,700 Hrs./Cbt2 27 AM/1.

Jediny, Robert A., (1LT) PSC 4, Box 409, APO AA 34004. Dy: (507) 284-4809. Res: (507) 260-3533. Dy: HHC, 1-228th Avn Regt, Fort Kobbe, Panama.

Jeniffo, Heidi A., (CPT) Route 4, Box 301-D, Ozark, AL 36360. Dy: (334) 255-2847. Res: (334) 445-0367. Dy: Student, C Co, 1-13th Avn, Fort Rucker, AL. Rtg: AA IP. RWQual. Time: 1,800 Hrs.

Johnson, Carter A., (CPT) 2-227th Aviation, CMR 477 Box 969, APO AE 09165. Dy: DSN/322-7677. S: Stacy. Dy: C/1-501st Avn, Hanau, Germany. Rtg: AA. RWQual. Time: 600 Hrs.

Johnston, Robert J., (CPT) (Rob) 928 B Shepard Terrace, Naval Air Station, Patuxent River, MD 20670. Res: (301) 737-4309. EM: robjohn@aol.com. S: Jay. Dy: Student, Naval Test Pilot School. Rtg: SAA IP. RWQual. FWQual. Time: 1,600 Hrs./Cbt2 25 DFC/1.

Johnston, Steven R., (1LT) (Steve) 4508 Teal Drive, Killeen, TX 76542. S: Andrea. RWQual. Time: 270 Hrs.

Jones, John W., (1LT) (Whit) HQ LANDCENT, ILIDZA, Operation Joint Guard, APO AE 09780. Dy: Liaison Officer. Rtg: AA. RWQual. Past Chapter Officer.

Jones, Monroe C., (CPT) (Marty) 2414 Graham Road, Fayetteville, NC 28304-2751. Dy: (910) 432-0768. Res: (910) 868-8342. EM: jonesm@emh5.bragg.army.mil. S: Leslie. Dy: ADAO, 82d Abn Div, Fort Bragg, NC. Rtg: AA. RWQual. Time: 700 Hrs.

Jones, Ryan S., (CPT) Tingen Road, Rt 1 Box 598K, Broadway, NC 27505. Dy: (910) 396-6385. Res: (919) 498-2505. EM: ryanjones@aol.com. S: Angela. Dy: Cdr, D Co, 2-82nd Avn Bde, Fort Bragg, NC. RWQual. Time: 1,100 Hrs.

KKKKKKKKKKKKKKKKKKKKKKKKKKKKKK

Kaufmann, Andrew J., (CPT) (Turtle) 5431A Seay Street, Fort Polk, LA 71459. EM: kaufmana@polk-emh2.army.mil. S: Robin. Dy: S/4-2 ACR, Fort Polk, LA. RWQual. FWQual. Time: 1,080 Hrs.

Kawasaki, Kevin T., (CPT) Unit 31520, APO AE 09832. EM: kkb6@aol.com. Dy: Aviation Company, 1st Support Bn, Sinai, Egypt.

Keepers, Kirk E., (CPT) 114 Valleyview Drive, Enterprise, AL 36330. Dy: (334) 255-2391. Res: (334) 393-0991. EM: kirk_keepers@rucker-emh4.army.mil. Dy: Company Cdr, D Co, 1/13th Avn Regt, Fort Rucker, AL. RWQual. FWQual.

Kellar, Ronald L., (CPT) (Ron) 40 Normandy Drive, Fort Bragg, NC 28307-5000. Dy: (910) 396-5773. Res: (910) 960-1894. S: Susan. Dy: HHC Commander, 229th Avn Regt, Fort Bragg, NC. RWQual. Time: 830 Hrs. Past Chapter Officer.

Kelleher, Sean V., (2LT) 54 E. Harris, Fort Rucker, AL 36362. Dy: (334) 255-1123. S: Andrea. Dy: Aviation Student.

Kelley, II, Danny M., (1LT)(PI) (Dan) 32 Le Muy Street, Fort Bragg, NC 28307-3404. Dy: (910) 396-5201. Res: (910) 436-0501. EM: musang@aol.com. S: Jennifer. Dy: Asst S2/S3, 1-58 Avn Regt (Abn). RWQual. Time: 500 Hrs.

Kelley, Thomas C., (CPT) (Trey) 9819 Mariners Ct, Orlando, FL 32827. Dy: (407) 846-5474. Res: (407) 859-4695. EM: kelley_thomas@204th.majicnet.net. S: Ann. Dy: Military Intelligence Battalion (Low Intensity), NTC, Orlando, FL. RWQual. FWQual. Time: 1,000 Hrs.

Kenady, Brian F., (2LT) 86 Woodfield Place, Enterprise, AL 36330. Res: (334) 347-9414. Dy: D Co, 1/45.

Kenefick, John R., (CPT) 617 Blake Drive, Ozark, AL 36360. Dy: (334) 255-5077. Res: (334) 774-6365. EM: johnk@snowhill.com. Dy: Commander, F Co, 1-14th Avn Regt, Fort Rucker, AL. Rtg: AA IP. RWQual. FWQual. Time: 900 Hrs.

Kenard, Rodney W., (CPT) 1517 Robertson Court, Clarksville, TN 37042. Dy: (502) 798-4548. Res: (615) 645-8820. S: Lori. Dy: Commander, C Co, 6/101 Avn Regt. Rtg: SAA. RWQual. Time: 1,300 Hrs./Cbt 110 AM/2.

Kennedy, Joshua S., (1LT) (Josh) 37 Blue Wing Drive, Richmond Hill, GA 31324. Dy: (912) 352-5423. Res: (912) 756-2540. EM: kennedyj@emh5.stewart.army.mil. S: Kirsten. Dy: Bn Asst S-3 (LNO), 2-3 Avn Regt, Hunter AAF, GA. Rtg: AA. RWQual. Time: 400 Hrs.

Kennedy, Matthew J., (CPT) (Matt) 234 Windmeade Circle, Clarksville, TN 37042. Dy: (615) 798-3218. S: Kerri. Dy: HHC, 4-101st Avn. Rtg: AA. RWQual. Time: 525 Hrs.

Kessler, Mark D., (1LT) 101 Twin Creek Drive, No. 1202, Killeen, TX 76543-4725. Dy: (817) 288-9128. Res: (817) 680-3615. S: Jessica. Dy: 507th Medical Company (Air Ambulance), Hood Army Airfield, Ft Hood. RWQual. Time: 350 Hrs.

Kimball, Raymond A., (2LT) (Ray) 105 Brady Road, Sackets Harbor, NY 13685. Dy: (315) 772-3817. Res: (315) 846-2102. S: Mindy. Dy: Platoon Leader, A/1-10 Avn Regt (Atk), 10th Avn Bde, Fort Drum, NY. RWQual. FWQual. Time: 300 Hrs.

Kimbrough, Robert S., (CPT) (Shane) 1234 Atlantic Drive, Atlanta, GA 30318. Res: (404) 875-1143. EM: shane@isye.gatech.edu. S: Robbie. Dy: Graduate School, Georgia Tech, Atlanta, GA. RWQual. Time: 835 Hrs./Cbt 30

King, Steven A., (CPT) (TheHeat) 1157 Southgate Drive, Charleston, SC 29407. Dy: (803) 566-5494. Res: (803) 766-8375. EM: kings@charleston.af.mil. Dy: Ground Liaison Officer, 437 Airlift Wing, Charleston AFB. Rtg: SAA. RWQual. Time: 1,150 Hrs./Cbt 20 AM/1.

Kirkpatrick, Andrew C., (1LT) 3353 Backridge Road, Woodlawn, TN 37191. Dy: (615) 798-7234. Res: (615) 552-6478. Dy: Section Leader, C-701 Avn Regt. RW Qual.

Kliethermes, Kenneth J., (CPT) (Klyde) 2608 Lazy Ridge Drive, Killeen, TX 76543. RW Qual. Time: 550 Hrs.

Kline, John D., (CPT) HHD, 164th ATS Group, Unit 15276, APO AP 96205-0049. Dy: DSN 724-4002. S: Kimberly. RW Qual. Time: 200 Hrs.

Knapp, James B., (CPT) (Jimmy) 12300 Apache Avenue, Apt. 1709, Savannah, GA 31419. Dy: (912) 352-6147. EM: knappj@soar.net. S: Chikako. Dy: Plans Officer, 3-160 SOAR (A), Hunter AAF, GA. Rig: SAA. RW Qual. Time: 1,300 Hrs./Cbt 63 AM/2. Past Chapter Officer.

Koenig, Steven T., (CPT) (PJ) 3079A Webb Place, West Point, NY 10996. Res: (912) 446-2355. EM: hawk3079a@msn.com. S: Cindy. Dy: Tactical Officer. RW Qual. FW Qual. Time: 1,650 Hrs. Life Member.

Koynicki, Donna K., (CPT) (PJ) 1111 Lambusco Dr, Harker Heights, TX 76548-8110. Dy: (817) 288-1427. Res: (817) 698-3217. EM: orgeek@centraix.net. S: Richard. Dy: Oper Research/Sys Analyst, TXCOM, Fort Hood, TX. Rig: SAA. RW Qual. Time: 1,000 Hrs.

Kovacic, Ken J., (2LT) (Ken) 408 E. Gaston Street, Apt. C, Savannah, GA 31401. Dy: (912) 352-5704. EM: kenlyf@g-net.net. Dy: A Co. 2-3 Avn Regt. HAA, GA. RW Qual. FW Qual. Time: 320 Hrs./Cbt 87 AM/1.

Kraus, Karl M., (CPT) 207 Blawhawk Trail, Harker Heights, TX 76543. Res: (817) 699-8265. EM: krausk@hood-emh3.army.mil. S: Tiffany. Dy: Brigade Assistant S3, 4 Bde, 4ID, Fort Hood, TX. RW Qual. Time: 675 Hrs./Cbt 100 AM/2.

Krekelberg, Stephen P., (CPT) 25 Logan Street, Fort Rucker, AL 36362. Dy: (334) 255-1354. Res: (334) 598-1750. S: Rachel. Dy: Commander, C Co, 1-13th, Fort Rucker, AL. RW Qual. Time: 650 Hrs.

Kreuscher, Richard F., (CPT) (Rich) 11 Hall Street, Daleville, AL 36322. Dy: (334) 255-2103. Res: (334) 503-9760. EM: kreuschr@snwhill.com. S: Gabi. Dy: Cdr, F Co, 58th Avn Regt, Fort Rucker, AL. Rig: IP. RW Qual.

Krings, Troy D., (CPT) 1018 Haggerty Street, North Pole, AK 99705-5431. Dy: (907) 353-7187. Res: (907) 488-1813. EM: 103104.2320@comuserve.com. S: Pamela. Dy: Commander, D/4-123, Fort Wainwright, AK. Rig: AA.

Krummenacker, Kurt J., (2LT) 802 Prewitt Road, Apt. E, Clarksville, TN 37040. Res: (615) 920-4348. Dy: A/4-101st Avn. RW Qual. Time: 300 Hrs.

Kubista, Todd A., (CPT) (Kubie) 2681 Cummings Circle, Clarksville, TN 37042. Dy: (502) 798-2933. Res: (615) 920-2501. RW Qual. FW Qual. Time: 1,500 Hrs.

Kucik, Paul D., (CPT) (Kooch) 3817C Collier Street, Wahiawa, HI 96786. Dy: (808) 656-0295. EM: pkucik@aol.com. S: Lisa. Dy: Commander, HHC, 2-25th Avn, Wheeler AAF, HI. Rig: AA. RW Qual. Time: 493 Hrs.

Kufahl, Kevin K., (2LT) 105 Don Circle, Enterprise, AL 36330. Dy: (334) 255-1123. Res: (334) 308-1254. Dy: D Co, 1/145.

Kugler, Cornelius W., (2LT) (Neil) 3617 Creek Path Place, Fayetteville, NC 28311. Res: (910) 823-9014. Dy: Platoon Leader, B Troop, 1-17 Cav, Fort Bragg, NC. RW Qual. Time: 202 Hrs.

Kuiper, Steven P., (1LT) (Beldar) A Troop, 2-6 Cavalry, CMR 416, Box 306, APO AE 09140. S: Elizabeth. Dy: 1st Platoon Leader, A Troop, 2-6 Cavalry. Rig: AA. RW Qual. Time: 590 Hrs.

Kuppich, Laura A., (CPT) USA Health Clinic Hanau, CMR 470 Box 4878, APO AE 09165. Dy: DSN 314-322-7665. Res: 011-49-80515-3158. EM: kuppichl@email.hanau.army.mil. S: T.J. Dy: HHC, 4th Bde, 1st Armored Div, Hanau, Germany. RW Qual. Time: 450 Hrs.

Lacy, Benjamin H., (CPT) (Ben) HHC, 4th Brigade, 1AD, CMR 477, Box 1378, APO AE 09165. S: Suzanne. Dy: Brigade Adjutant, RW Qual. Time: 800 Hrs.

Laganelli, John F., (CPT) (PJ) 5867 Wainwright Drive, Fort Hood, TX 76544-1336. Dy: (817) 288-5529. Res: (817) 539-5052. EM: laganelli@hood-emh3.army.mil. S: Dian. Dy: Asst S3, 21st Cav Bde, Fort Hood, TX. RW Qual. FW Qual. Time: 1,500 Hrs./Cbt 67

AM/1.V. Past Chapter Officer.

Lakin, Terry L., (CPT) 1840 Frontier Rd., Greeley, CO 80634-3411. Dy: Woman Army Medical Center, Ft. Bragg, NC.

Lamb, Samuel E., (CPT) 111 Jeffery Court, Ozark, AL 36360. Dy: (334) 255-2703. Res: (334) 774-2966. EM: samuel_lamb@rucker-emh4.army.mil. Dy: Directorate of Combat Developments, Fort Rucker, AL. Rig: SAA. RW Qual. FW Qual. Time: 1,100 Hrs.

Larsen, James E., (CPT) (PJ) 1201-C Hase Drive, Honolulu, HI 96819. Dy: (808) 438-1209. Res: (808) 841-2437. S: Elizabeth. Dy: Aviation Advisor, USARPAC RG. Rig: SAA. RW Qual. Time: 1,150 Hrs. Past Chapter Officer.

Larsen, Theresa J., (CPT) 915 North 4th Street, Lansing, KS 66041. Dy: (913) 684-9554. EM: larsent@leav-emh1.army.mil. S: Jim. Dy: Executive Officer, Fort Leavenworth, KS.

Larson, R. Wallace, (CPT) (Wallace) 3237 Melba Drive, Fayetteville, NC 28301-3390. Dy: (910) 432-0789. Res: (910) 488-8319. EM: larsonrw@juno.com. S: Denise. Dy: Deputy G3 AIR, 82d Abn Div, Fort Bragg. Rig: SAA. IP. RW Qual. Time: 1,700 Hrs.

Laster, Edwin A., (2LT) 113 Stoneridge Road, Enterprise, AL 36330. Dy: (334) 255-9414. Res: (334) 347-1251. EM: olaster@ibm.net. S: Andrea. Dy: AVOCB. Time: 80 Hrs.

Laver, Matthew M., (CPT) P.O. Box 3143, Fort Leavenworth, KS 66027. Dy: (913) 684-5917. EM: laverm@leav-emh1.army.mil. S: Gail. Dy: Asst G3 Opns, BCTP, Fort Leavenworth, KS. RW Qual. Time: 850 Hrs./Cbt 15

Lawrence, Clayton G., (CPT) Unit 31520, APO AE 09832. Dy: Flight Surgeon.

Leblond, Scott A., (2LT) 16 Fowler Lane, Fort Rucker, AL 36362. S: Becky. Dy: 1/1 Cav, Germany.

Ledford, Frederick D., (2LT) (Freddie) Route 3, Box 2798, Enterprise, AL 36330. Dy: (334) 255-9090. Res: (334) 393-2343. Dy: Student Pilot, D Co, 1/145th Avn. Time: 80 Hrs.

Lee, Jong-Hyuk, (CPT) 44-550 Luminau St, No. J201, Waipahu, HI 96797. Dy: (808) 656-2748. Res: (808) 678-1531. S: So-Young. Dy: Asst Bde S3, HHC, Avn Bde, 25th ID (L). Rig: AA. RW Qual. Time: 770 Hrs.

Leech, Jack R., (1LT) (Jack) 377th Medical Co., Unit 15248, Box 156, APO AP 96271-0021. Dy: (334) 347-1797. Res: (334) 347-1797. Dy: Student Pilot (Private).

Leidecker, Amy E., (2LT) 94-1390 Welina Loop, No. 15-D, Waipahu, HI 96797. S: Jeffrey. Dy: Platoon Leader. RW Qual. Time: 200 Hrs.

Lentze, Hugo F., (CPT) Box 64, Unit 15427, APO AP 96257. Dy: DSN 732-8874. Res: DSN 732-8150. EM: lentzh@usfk.korea.army.mil. Dy: 210 Korea. Rig: AA. RW Qual. Time: 700 Hrs. Past Chap. Officer.

Lenzmeier, Scott M., (1LT) 160 Stockbridge Drive, Savannah, GA 31419. Dy: (912) 352-5792. Res: (912) 921-0524. S: Becky. Dy: 1-30 ATKHB, Hunter Army Airfield, GA. RW Qual. Time: 400 Hrs.

Lerg, Brian G., (2LT) 215 Glenwood Lane, Apt. 4, Enterprise, AL 36330. Res: (334) 308-2205.

Lesnieski, Thomas J., (2LT) (Sk) 17 Woodland Road, Walden, NY 12589. EM: skhawk@hotmail.com. Dy: 3/5 Plt Ldr, Camp Stanley, Korea. RW Qual. Time: 170 Hrs.

Lewis, Chad R., (2LT) 20 Monticelli Lane, Fort Rucker, AL 36362. Dy: (334) 255-9090. Res: (334) 598-3315. S: Sara. Dy: Avn Flight School, D Co, 1-145th Avn.

Lewis, J. T., (2LT) (Lewdog) 103 Stoneridge Road, Enterprise, AL 36330. Dy: (334) 255-1123. Res: (334) 393-4310. S: Devora.

Lewis, Jerry M., (1LT) 2055 Oakcrest, Sterling Heights, MI 48310. Dy: (910) 396-7776. Res: (610) 979-3518. Dy: Platoon Leader, B Co. 2-82d Avn Regt. RW Qual. Time: 461 Hrs.

Lewis, Matthew R., (CPT) (Matt) HHC, 7-227th Avn Regt, Unit 20197, Box 241, APO AE 09165. EM: lewisrm@email.hanau.army.mil. S: Anne. Dy: S2, 7-227 Avn Regt, 4th Bde, 1st Armored. RW Qual. Time: 700 Hrs.

Libby, Jeffrey A., (CPT) (Jeff) 68 White Oak Hill Road, Poland, ME 04274. Dy: (808) 656-2639. S: Deanna. Dy: C/25 Avn, WAAF, HI. RW Qual. Time: 475 Hrs./Cbt 12 Past Chapter Officer.

Lilly, Padraic R., (2LT) (Pat) 101 East Kingswood Drive, Enterprise,

Dy: (334) 255-9090. Res: (334) 393-5629. EM: mcgrane@ns.awanet.com. RW Qual. FW Qual. Past Chapter Officer.

McHugh, John M., (CPT) 11 Diamond Circle, Fort Rucker, AL 36362. Dy: (334) 255-9337. Res: (334) 598-9430. EM: john_mcHugh@rucker-emh4.army.mil. S: Connie. Dy: Doctrine Writer, DOTDS, Fort Rucker, AL. Rtg: AA. RW Qual. Time: 600 Hrs./Cbt 11 Past Chapter Officer. Bronze DSM.

McKenna, Jason J., (2LT) (Mac) 211 Riverview Drive, Daleville, AL 36322. Dy: (334) 255-9090. Res: (334) 598-5441. Dy: Student.

McKenna, Kevin A., (1LT) (Kev) 20 Humphreys St, Fort Leonard Wood, MO 65473. Res: (573) 329-5110. EM: dj2kevin@aol.com. S: DJ.

McKissock, John, (CPT) (John) 17 7th Ave, Fort Rucker, AL 36362. Dy: (334) 255-9702. Res: (334) 598-9129. EM: john_mckissock@rucker-emh4.army.mil. S: Jill. Dy: Branch Chief, Aircrew Integ. Systems, DCD, Fort Rucker, AL. RW Qual.

McMickle, William D., (CPT) 106 Fernway Drive, Enterprise, AL 36330. Dy: (334) 255-3132. Res: (334) 308-2154. S: Anna. Dy: Cdr, A Co, 1-11th Avn Regt, Fort Rucker, AL. Rtg: AA. RW Qual. Time: 1,000 Hrs./Cbt 50 AM/2.

McNally, John B., (CPT) 9425 57th Avenue Ct SW, Apt. K301, Tacoma, WA 98499. Dy: (206) 967-3918. Res: (206) 584-0622. S: Monica. Dy: Maintenance Plt Ldr, 54th Med Co (AA). RW Qual. Time: 500 Hrs.

McNamara, Craig A., (2LT) (Mac) 2502 Coach Drive, Killeen, TX 76543-2590. Res: (334) 503-9338. EM: mcnamara@awanet.com. S: Christine. Dy: 1-10th Cav, Fort Hood, TX. RW Qual.

McNaughton, Brian S., (CPT) (BriDog) 201 Bonn Road, Seaside, CA 93555. Res: (408) 394-5751. S: Shelly. Rtg: SAA IP. RW Qual. Time: 1,700 Hrs. Life Member.

McPeake, Aaron M., (2LT) 204 Candlebrook Drive, Enterprise, AL 36330. Dy: (334) 255-9090. Res: (334) 393-2172. Dy: Student Aviator, Fort Rucker, AL.

Meadows, Raymond E., (1LT) (Raayy) 1109 Lamont Court, Clarksville, TN 37042. Dy: (602) 798-9559. Res: (615) 431-2450. EM: raymewdows@juno.com. S: Pammy. Dy: HHC, 5-101 Avn, Fort Campbell, KY. RW Qual. Time: 400 Hrs. AM/1.

Means, Stephanie, (2LT) PSC 1, Box 0345, APO AA 34001. Dy: Maintenance Platoon Leader, A Co, 1-228th Avn Regt, Fort Kobbe, RW Qual. Time: 200 Hrs. Past Chapter Officer.

Meeker, Keith R., (CPT) PSC 117, Box 115, APO AE 09080-0115. Dy: 011-49-5722-262678. Res: 011-49-571-508260. EM: k.meeker@t-online.de. S: Marion. Dy: GE Army Avn LNO. RW Qual. Time: 600 Hrs.

Meeks, Lynda C., (CPT) 207th Avn Co, Unit 29231, Box 102, APO AE 09102. Dy: 373-8990. Res: 49-8227-62941. EM: meeksl@hq.hqsareur.army.mil. Dy: C12 Platoon Leader/Cdr, Heidelberg, Germany. RW Qual. FW Qual. Time: 800 Hrs.

Merkel, Kenneth O., (CPT) (Ken) 115 Chewalla Drive, Enterprise, AL 36330. Dy: (334) 255-9943. Res: (334) 393-1738. EM: merkel@awanet.com. S: Anastasia. Dy: Cdr, B Co, 1-145th Avn Regt, Fort Rucker, AL. Rtg: SAA. RW Qual. Time: 1,300 Hrs.

Messner, Garret K., (CPT) 5840A Brett Dr, Fort Knox, KY 40121. Res: (502) 942-0595. EM: gkmessner@bluegrass.net. S: Stephanie. Dy: Student, AOAC, Fort Knox, KY. RW Qual. FW Qual. Time: 875 Hrs.

Metheny, William P., (CPT) (Bill) 8915 Sparkling Creek Dr., Austin, TX 78729-4549. S: Lori. Dy: USMA, West Point, NY. Rtg: SAA. RW Qual. Time: 1,100 Hrs./Cbt 250 AM/1, V.

Mettling, Daniel S., (1LT) (Wardog) HHT, 6th Sqdn, 6th Cav, CMR 416, Box 358, APO AE 09140-5000. DSN 4674-969 or CIV 09841-83969. Res: 09841-8667. S: Karla. Dy: Platoon Leader, Support Platoon Class II/IV, Ilesheim, Germany. Rtg: AA. RW Qual. FW Qual. Time: 430 Hrs.

Meyer, David C., (CPT) (Pi) (David) 115 Brassie Drive, Yorktown, VA 23693. EM: dmeyer1212@aol.com. Dy: Asst PM, TAPO, Fort Eustis, VA. Rtg: SAA. RW Qual. Time: 1,150 Hrs. Life Member.

Meyers, Edward, (2LT) 304 E. Silveroak Drive, Enterprise, AL 36330. Dy: (334) 255-9090. Res: (334) 393-2357. Dy: Student.

Midkiff, Barry A., (CPT) (Bear) Zatloukova 43, 62100 Brno, Czech

Republic. Dy: Student, Command General Staff College. Rtg: AA. RW Qual. Time: 1,350 Hrs.

Miller, Christopher, (CPT) (Buzz) 4991 71st Street, Sacramento, CA 95820. Dy: (209) 983-5438. Res: (916) 383-8669. EM: ch47dplott@msn.com. S: Lorie. Dy: G-140 Avn Rgt, Bolo S. Airport Way, Stockton, CA. Rtg: Pl. RW Qual. Time: 970 Hrs.

Miller, Christine A., (1LT) 1039 Tylerstown Road, Clarksville, TN 37040. Dy: (602) 798-2781. Res: (615) 503-1466. Dy: B Co, 1-101st Avn Regt. RW Qual.

Miller, Douglas S., (CPT) 307 Arion Court Rd, Seaside, CA 93955. Dy: DSN 341-3774. S: Pam. Dy: Naval Postgraduate School, Monterey, CA. Rtg: SAA. RW Qual. Time: 1,100 Hrs. Past Chap. Offr.

Millard, Frank H. II, (CPT) P.O. Box 310397, Enterprise, AL 36331-0397. RW Qual. Time: 1,400 Hrs./Cbt 135 AM/2.

Mingear, Darren D., (CPT) (Ming) 26756 Anabel Avenue, Evans Mills, NY 13637. Dy: (315) 772-3516. Res: (315) 629-7323. EM: dmngear@northnet.org. S: Jill. Dy: Commander, A/1-10 Aviation Regiment (Attack), Fort Drum, NY. Rtg: AA. RW Qual. Time: 650 Hrs.

Moffatt, James A., (CPT) (Tony) 3903 Invidale Road, Duluth, GA 30136. Res: (770) 418-9786. EM: jtmoffatt@aol.com. S: Leasa. Dy: Grad Student, GIT. Rtg: SAA IP. RW Qual. FW Qual. Time: 1,350 Hrs. Life Member.

Moga, David M., (1LT) (Dave) 1650 South Canoe Creek, Colorado Springs, CO 80906. Dy: (719) 526-4086. Res: (719) 538-0741. Dy: RS3-Air, 3ACR, Fort Carson, CO.

Mohs, Kamela A., (CPT) (Kam) HHC, 2-2 Avn Regt, Unit 15427, Box 484, APO AP 96257. Res: (320) 363-8359. RW Qual. FW Qual. Time: 950 Hrs.

Moore, Jr., Charles L., (2LT) (Lee) 105 Don Circle, Enterprise, AL 36330. Dy: (334) 255-1123. Res: (334) 308-1254. Dy: D Co, 1-145th Avn, Fort Rucker, AL. Time: 35 Hrs.

Moquin, Marc D., (CPT) (Pi) (Marc) 1339 N Shadowlawn Court, Clarksville, TN 37040. Res: (615) 905-0380. S: Mary. Dy: 160th SOAR (A). RW Qual. Time: 1,600 Hrs./Cbt 50 AM/1.

Morea, Gary J., (1LT) Savannah Chapter Treas., 85 Hunters Branch Drive, Allenhurst, GA 31301. Dy: (912) 352-6320. Res: (912) 876-4526. EM: garjmore@aol.com. S: Michelle. Dy: K Co, 4-150 Avn, Hunter Army Airfield, GA. RW Qual. Time: 350 Hrs. Treasurer, Savannah Chapter.

Morgan, Aaron T., (2LT) 1150 Pyle Lane, Hopkinsville, KY 42240. S: Jennifer.

Morris, Daniel Y., (1LT) (Dan) 51768-2 Comanche Circle, Fort Hood, TX 76844. Dy: (817) 288-1034. Res: (817) 539-0396. EM: dkhm@link.com. S: Kimmy. Dy: 1-7th Cav, Fort Hood, TX. RW Qual. Time: 220 Hrs.

Morrow, Craig D., (CPT) 3962 Loufield Drive, Fayetteville, NC 28311. Dy: (910) 432-0803. Res: (910) 488-6763. EM: morrow@bragg-emh5.army.mil. S: Debbie. Dy: Commander, HHC/82nd Aviation Brigade, Fort Bragg, NC. Rtg: AA. RW Qual. Time: 550 Hrs.

Mount, David M., (CPT) (Dave) AMEMB-DAO-FAO, Unit 4934, Caracas, Venezuela, APO AA 34037-0008. Dy: 582-977-0193. Res: 582-979-2634. EM: dmount15@aol.com. S: Susan. Dy: Foreign Area Officer, American Embassy, Caracas, Venezuela. Rtg: AA. RW Qual. Time: 910 Hrs./Cbt 110 AM/2.

Mullin, Patrick J., (CPT) (PJ) 94-1006 Kikepa Street, No. A, Waipahu, HI 96797-5500. Dy: (808) 656-4544. Res: (808) 676-7513. EM: mullin@hawaii.edu. S: Rebecca. Dy: Asst S-3, 1-25 (Aik) Avn, 25th ID (L), Wheeler AAF, HI. Rtg: AA. RW Qual. FW Qual. Time: 600 Hrs.

Mumford, Daniel V., (2LT) (Dan) 651 Ashley Lane, Enterprise, AL 36330. Dy: (334) 255-9090. Res: (334) 347-6909. EM: mumford@ala.net. Dy: AOBC Student. Time: 60 Hrs.

Muschek, Richard C., (CPT) (Rich) 118 Moreell Circle, Monterey, CA 93940. EM: rcmusche@me.mps.navy.mil. S: Eva Marie. Dy: Student, Naval Post Graduate School. Rtg: AA. RW Qual. Time: 900 Hrs.

Musiol, Michael J., (CPT) (Mike) 16833 Jed Forest Dr, Woodbridge, VA 22191. Res: (703) 221-9949. S: Leigh Ann. Dy: Student, Marine Corps Advance Course, Quantico, VA. RW Qual. Time: 850 Hrs.

Muskopf, Esther, (CPT) (Sunshin) 2736 Winston Court, Woodbridge, VA 22191. Dy: (703) 681-6819. Res: (703) 441-1517. EM: mrmusk@

juno.com. S: Jim. Dy: HQ OPTEC Evaluator, Fire Support Systems.
Myers, Deborah A., (CPT) (Debbie) 500 S. Carmichael, Apt. 228,
Sierra Vista, AZ 85635. Dy: (520) 533-2532. EM: myers@huachuca-
m1.army.mil. Dy: C Co, 306th MI Bn, Fort Huachuca, AZ. Rtg: AA.
RW Qual. FW Qual. Time: 1,500 Hrs/Cbt 35 AM/1. Life Member.

NNNNNNNNNNNNNNNNNNNNNNNN

Neel, David R., (CPT) (Dave) 102 St. Ives Drive, Savannah, GA
31419. Dy: (912) 971-6040. Res: (912) 961-6526. EM:
meanDave@aol.com. S: Rose. Dy: A Co, 3160 SOAR (A), Hunter
Army Airfield. GA. RW Qual. Time: 1,600 Hrs.

Nelson, Ross F., (2LT) 507 Briarwood Street, Apt. 9A, Enterprise, AL
36330. Dy: (334) 255-9090. Res: (334) 308-3245. S: Jennifer. Dy:
Student. D Co, 1/145th Avn.

Nerstheimer, Michael E., (CPT) (Mike) 212 Naples Road, Seaside,
CA 93955-5000. Res: (408) 899-2953. RW Qual. Time: 600 Hrs.

Neuberger, Dustin P., (2LT) 304 E. Silver Oak Drive, Enterprise, AL
36330. Dy: (334) 993-9090. Res: (334) 993-2357. EM: dneuberger@
wanet.com. Dy: Flight Student, Fort Rucker, AL. Time: 100 Hrs.

Newell, Michael W., (CPT) (Mike) 1713 Settler Ln., Clarksville, TN
37042. Dy: (502) 798-2981. Res: (615) 645-2016. EM: mbiwllam@
aol.com. S: Kathleen. Dy: Commander, D Co (AVUM), 6-101 Avn Regt,
Fort Campbell, KY. Rtg: AA. RW Qual. Time: 500 Hrs. Life Memb.

Newman, Michael A., (2LT) (Mike) 7 Campview Dr., Barbourville,
WV 25504. Res: (304) 736-1198. S: Terri. Dy: Det Cdr, Det 1/104th
Avn AAF Williamstown, W. Time: 200.

Niederhauser, Chris D., (CPT) HHC, 11th Avn Regt, CMR 416, Box
1091, APO AE 09140. Dy: DSN 467-4455. S: Deonne. Dy: C-2-B Cav,
Illesheim, Germany. Rtg: AA. RW Qual. Time: 850 Hrs.

Norton, Andrew J., (2LT) 10 Flyntwood Drive, Anderson, IN 46012.
Res: 011-823-4272-06860. EM: eaav-1bn-sm@emh2.korea.
army.mil. Dy: C Company, 1-52 Avn, Korea. RW Qual. Life Member.

Notch, Robert M., (CPT) (Bob) 3421-B Kanell Loop, Wahiawa, HI
96786. Res: (808) 624-1380. EM: rnotch@aol.com. S: Bonnie. RW
Qual. FW Qual. Time: 700 Hrs/Cbt 32 AM/1.

OOOOOOOOOOOOOOOOOOOO

Oakley, David J., (1LT) 402 Greenbriar Street, G-53, DeRidder, LA
70634. Dy: (318) 531-1893. Res: (318) 462-9397. EM: eloak@dtc.
net. Dy: Asst Ops Fil Detachment G3/DPTMS, JRTC, Fort Polk, LA.

Ochoa, Mario D., (2LT) 18 Somerset Pkwy., Daleville, AL 36322. Dy:
(334) 558-9090. Res: (334) 598-8610. S: Teresa. RW Qual. Time: 990

Odum, Jennifer J., (CPT) (Jenn) P.O. Box 12969, Fort Huachuca, AZ
85670-2969. Dy: (520) 533-8335. Res: (520) 417-2723. EM:
100303.1562@compuserve.com. S: Chuck. Dy: A Co, 326th MI BN.
RW Qual. FW Qual. Time: 1,600 Hrs/Cbt 30 AM/2.

Odum, Michael S., (CPT) (Mike) 3406 Granite Drive, Killeen, TX
76542. Dy: (817) 287-2371. Res: (817) 634-0402. EM: odum@
hood-emh03.army.mil. S: Terri. Dy: B Co, 1-227 Avn Regt, 1st Cav,
Fort Hood, TX. RW Qual. Time: 800 Hrs.

Ohland, Curtis W., (1LT) (Curt) 95270 Waiakalani Drive, Apt. E104,
Mililani, HI 96789-3558. Dy: (808) 656-2901. Res: (808) 623-4035.
EM: zdn34a@prodigy.com. S: Deborah. Dy: Asst Plt Ldr, Wheeler
AAF, HI. RW Qual. FW Qual. Time: 400 Hrs.

Ohmstein, Lee S., (CPT) 3719 Misty Way, Clarksville, TN 37042. Dy:
(502) 798-4548. Res: (615) 648-3615. S: Tammy. Dy: C Co Cdr,
6-101st Avn, Fort Campbell, KY. RW Qual. Time: 500 Hrs.

O'Leary, Patrick G., (2LT) C Co, 7-158 Avn Regt, CMR 408, Box
1244, APO AE 09182. Dy: 011-499-334-87816. Dy: 011-499-317-
09536. S: Jennifer. Dy: Asst Ops Officer, Giebelstadt AAF.

Olson, Brian C., (CPT) 3617 153rd Street W, Rosemont, MN 55068.
Dy: (612) 713-3465. Res: (612) 322-2597. S: Mary. Dy: ALAD Team
Chief, Readiness Group, Fort Snelling, MN. Rtg: AA MTP. RW Qual.
FW Qual. Time: 600 Hrs/Cbt 35 AM/1.

Opperman, Jeffrey K., (CPT) (Jeff) 392-B Buna Road, Fort Lee, VA
23801. Dy: (804) 734-1676. Res: (804) 861-0540. EM: jo9910@aol.
com. S: Julie. Dy: HHC, CASCOM (Functional Area). Rtg: AA. RW
Qual. Time: 500 Hrs.

Orwig, Brian K., (1LT) (Brian) Ragin' Cajun Chapter Secy, 522
Vernon Street, New Leno, LA 71461. Dy: (318) 531-1865. Secretary,
Ragin' Cajun Chapter.

Owen, James C., (CPT) 1346 Werner Park, No. B, Fort Campbell, KY
42223-1155. Dy: Division G-3 Plans, 101 Avn.

PPPPPPPPPPPPPPPPPPPPPP

Palmer, Steven R., (CPT) (Steve) 14240 E. Arkansas Drive, Aurora,
CO 80012. Dy: (303) 341-3288. Res: (303) 337-6987. EM: hawkplot@
ordnet.all.net. S: Stephanie. Dy: B Co, 743rd MI Bn, Buckley AFB.
RW Qual. Life Member. Past Chapter Officer. Bronze OSM.

Patel, Jitendra, (1LT) (Jitu) 665 Hunters Lane, Hopkinsville, KY
42240-5207. Dy: (615) 798-2781. Res: (502) 886-0395. Dy: Platoon
Leader (Attack), B Co, 1-201st Avn Regt. RW Qual. Time: 310 Hrs.

Patterson, Mark C., (CPT) (BadBoyz) 1483 B 2nd Street, Fort
Campbell, KY 42223-3518. Dy: (502) 798-1792. Res: (615) 431-2468.
EM: mdcand@prodigy.net. S: Deanna. Dy: Commander, B/2-160th
SOAR, Fort Campbell, KY. RW Qual. Time: 1,500 Hrs/Cbt 20 AM/1.

Paulino, Kenneth P., (CPT) (Ken) 14 Division Place, Fort Rucker, AL
36362. Dy: (334) 255-0168. Res: (334) 598-2437. S: Lucille. Dy: DCD,
R & D Project Office. Rtg: SAA. RW Qual. Time: 1,200 Hrs/Cbt 10

Pavlick, Eric W., (2LT) 5103 Learning Oak, Killeen, TX 76548. Dy:
(817) 288-7500. Res: (817) 634-0978. Dy: Platoon Leader, B Co, 2-4
Avn Regt.

Pearman, Gerald M., (CPT) (Jerry) 120 20th St, Pacific Grove, CA
93950. Res: (408) 657-9749. EM: gmpearma@nps.navy.mil. Dy:
Student. Rtg: AA. RW Qual. Time: 705 Hrs/Cbt 11 AM/1. Past Chapter
Officer.

Pearson, William E., (CPT) (Will) 609 Lufkin Circle, Fayetteville, NC
28311. Dy: (910) 396-4402. Res: (910) 822-9783. EM: wpearson@
iname.com. S: Sherry. Dy: Asst G-3 Aviation, XVIII Airborne Corps,
Fort Bragg, NC. RW Qual. FW Qual. Time: 900 Hrs.

Peaster, William R., (CPT) (Ron) 207 Lakeside Drive, Enterprise, AL
36330. Dy: (334) 255-1755. Res: (334) 347-6397. S: Jennifer. Dy: A
Co, 1-145 Avn., Fort Rucker, AL. Rtg: AA. RW Qual. Time: 750
Hrs/Cbt 25 AM/1. Past Chapter Officer.

Peck, Patricia A., (CPT) (Patty) 3 Vinewood Court, Pittsburg, CA
94565. Dy: 3rd MI BN (AE), APO AP, 96271.

Pennington, Lee, (CPT) 140 Tynor Ave, Savannah, GA 31405. Dy:
(912) 352-6853. Res: (912) 355-9842. S: Kathy. Dy: Company Cdr,
Hunter Army Airfield. RW Qual. Time: 1,400 Hrs/Cbt 22 AM/1.V.

Pepin, Allan M., (CPT) (Al) 1867 Needmore Road, Clarksville, TN
37042-4501. Rtg: AA. RW Qual. Time: 1,100 Hrs.

Perkins, Scott M., (CPT) 159 Lakeview Dr, Clarksville, AL 36322. EM:
perkulator@aol.com. S: Melanie. Rtg: AA MTP. RW Qual. Time: 850
Hrs.

Perry, Charles C., (2LT) (Clay) 86 Woodfield Place, Enterprise, AL
36330. Res: (334) 347-9414. Dy: Student.

Perry, Christopher, (CPT) 1523B 2nd Street, Fort Campbell, KY
42223-0797. Dy: (502) 798-2782. Res: (615) 431-9825. S: Monte. Dy:
D Co, 1-101st Command, Fort Campbell, KY. Rtg: AA. RW Qual. Time:
500 Hrs. Life Member.

Perry, Kaye E. Jr., (1LT) 9827-A Breaury Loop, Fort Drum, NY 13603.
Dy: (315) 772-3017. Res: (315) 775-0058. S: Heather. Dy: Platoon
Ldr, C Co, 2-10 Avn, Fort Drum, NY. Rtg: AA. RW Qual. Time: 370 Hrs.

Petrenko, Ihor, (CPT) (Gucc) B Co, 3rd MI BN (AE), Unit 15220, Box
614, APO AP 96271. Dy: 753-8701. Res: 753-3177. Dy: 3rd MI BN
(AE), B Company, Camp Humphreys, Korea. Rtg: AA. RW Qual. FW
Qual. Time: 900 Hrs. Life Member.

Pettit, Robert E., (CPT) (Bob) 122 Blackhawk Drive, Daleville, AL
36322. Dy: (334) 255-3344. Res: (334) 598-8335. EM: repetit@
snowhill.com. S: Stephanie. Dy: A/1-145 Avn Regt, AVOAC 97-01,
AH64 AOC, Fort Rucker, AL. RW Qual. Time: 475 Hrs.

Phillips, David C., (2LT) (David) 708 Idelwild Road, West Jefferson,
NC 28694.

Phillips, Jeremy D., (2LT) (JP) 129 Woodfield Place, Enterprise, AL
36330. Dy: (334) 255-9730. Res: (334) 393-7239. S: Jen. Dy: D Co,
1/145th Avn, Fort Rucker, AL.

Smith, John T., (CPT) (Smitty) 278 Skinner Drive, Huntsville, AL 35808. Dy: (205) 876-7876. Res: (205) 721-3999. EM: jts@msic.dia.mil. S: Angela. Dy: Systems Analyst, DIA-MSIC Redstone Arsenal, AL. Rtg: SAA MTP. RW Qual. Time: 1,000 Hrs.

Smith, Melvin K., (2LT) (Schmily) D Co, 1-145th Avn, CMR 3, Fort Rucker, AL 36362. Res: (334) 503-9363. Dy: Flight School, Fort Rucker, AL. Time: 40 Hrs.

Smith, Michael W., (1LT) 1014 Dogwood Street, No. 7, Fort Wainwright, AK 99703. Dy: (907) 353-8893. Res: (907) 356-3727. S: Tiffany. Dy: Platoon Leader. RW Qual. Time: 210 Hrs.

Snedden, Michael K., (1LT) (Mike) 1015 King George Blvd., No. 624, Savannah, GA 31419. Dy: (912) 352-8185. Res: (912) 354-8113. EM: sneddenm@emh5.stewart.army.mil. Dy: Asst S-3, 1-3 ATKBN, Hunter AAF, GA. RW Qual. Time: 500 Hrs.

Snook, Gary M., (CPT) (Krakken) 4607 Creekside Drive, Killeen, TX 76543-4734. Dy: 764-4345. Res: (817) 699-0833. EM: gsnook@vwm.com. S: Ellen. Dy: Airfield Commander, Walker Army Heliport, Taegu, South Korea. Rtg: AA. RW Qual. Time: 500 Hrs. Life Member.

Snow, Alexia G., (1LT) 11807 Horseshoe Circle, Hughes, AR 72348. S: Tom. Dy: 7-227 Avn, CMR 477, Box 1092, APO AE 09165. RW Qual. Time: 150 Hrs./Cbt 115

Snowden, Bradford L., (CPT) (Brad) 3026A Machin Place, West Point, NY 10996. EM: 164185@trotter.usma.edu. S: Amy. Dy: Instructor, USMA, West Point, NY. RW Qual. FW Qual. Time: 1,000 Hrs./Cbt 85 AM/1.

Snyder, Deborah L., (CPT) (Debbie) 5813 Westchester Street, Alexandria, VA 22310. Dy: (703) 805-4001. Res: (703) 971-7910. EM: snyderdb@belvoir.army.mil. S: Donald. Dy: Battalion S3, Fort Belvoir. Rtg: AA MTP. RW Qual. Time: 1,000 Hrs./Cbt 70 AM/1. Life Member. Past Chapter Officer.

Soukup, Allen D., (CPT) 4105 Josh Drive, Killeen, TX 76542. Dy: (817) 288-7505. S: Susan. Dy: Commander, B Trp, 1-158th Avn, Fort Hood, TX. Rtg: AA. RW Qual. Time: 800 Hrs./Cbt 40 AM/1.

Spell, Jon R., (1LT) (Randy) 4805 Glenwood Drive, Killeen, TX 76542. Dy: (817) 284-4773. Res: (817) 699-0183. S: Jennifer. Dy: Pilot, B Co, 4-227th Avn, Fort Hood, TX.

Spence, Deldre, (2LT) (Dee) 1644 Hannibal Drive, Oak Grove, KY 42262. Dy: (502) 798-0565. Res: (502) 798-2260. Dy: HHC, 1-101 Avn, Fort Campbell, KY.

Spencer, Thomas F., (CPT) (Tom) HHC, 1 AD, CMR 438, Box 2474, APO AE 09111. Dy: DSN 490-6441/7236. Res: 49-0671-75289. EM: 93air@iron2.1ad.army.mil. S: Wendy. Dy: G3 Air 1-HHC, 1st AD Bad Kreuznach, Germany. RW Qual. FW Qual. Time: 750 Hrs.

Stanfa, Melissa, (CPT) 7832 Shuttle Road, Fayetteville, NC 28311. Dy: (910) 396-5202. Res: (910) 488-5691. EM: stanfam@emh5.bragg.army.mil. S: Mitchell. Dy: 55th Med Group, S-3 AIR, Fort Bragg, NC. RW Qual. Time: 650 Hrs.

Stanton, Dwayne T., (1LT) 735 Lillenthal Road, No. B, Wahila, HI 96786-4121. Dy: (808) 624-1186. Res: (808) 624-9292. EM: dstan5217@aol.com. S: Allison. Dy: Platoon Leader, A Co, 2-25 Avn Regt, WAAF, HI. RW Qual. Time: 280 Hrs.

Stauss, Thomas H., (CPT) (Tommy) High Desert Chapter Secy., P.O. Box 10406, Fort Irwin, CA 92310. Dy: (760) 380-4420. Res: (760) 951-5867. EM: tstauss@tels.org. RW Qual. Time: 750 Hrs. Secretary, High Desert Chapter.

Steckel, Timothy M., (1LT) (Steck) 111 Christopher Dr, Enterprise, AL 36330. Dy: (334) 255-3344. Res: (334) 308-2244. Dy: Aviation Officer Advanced Course, Fort Rucker, AL. Rtg: AA. RW Qual. Time: 469 Hrs.

Steinke, Karl L., (2LT) 7537 Surewood Place, Charlotte, NC 28701. Res: 0981-87104. Dy: 2-1 Avn, Katterbach/Ansbach, Germany. RW Qual. Time: 200 Hrs.

Steinke, Cory, (CPT) 3160 Sapporo Place, Colorado Springs, CO 80918. Dy: (719) 554-4540. Res: (719) 260-0958. S: Carrie. Rtg: SAA IP. RW Qual. Time: 2,480 Hrs. Life Member.

Stencavage, Darla L., (1LT) 206 W Southfield Drive, Savannah, GA 31419-9707. Dy: (912) 352-5348. Res: (912) 920-2692. EM: stencavage@emh5.stewart.army.mil. S: Peter M. Dy: Battalion S-1, Hunter Army Airfield, GA. RW Qual. Time: 250 Hrs.

Stephan, Allen H., (CPT) 94-1102 Lumpolu Street, Waipahu, HI

96797. Dy: (808) 656-4731. Res: (808) 676-5072. EM: tstephan@aol.com. S: Terri. Dy: Commander, HHC, Aviation Brigade, Wheeler Army Airfield, HI. RW Qual. Time: 350 Hrs.

Stierna, Eric J., (CPT) 116 Oliver Drive, Enterprise, AL 36330. Dy: (334) 255-5004. Res: (334) 393-7440. EM: ericstierne@aol.com. S: Stowe. Dy: Commander, C Co, 1-14th Avn Regt, Fort Rucker, AL. Rtg: IP. RW Qual. Time: 1,100 Hrs.

Stillier, Albert H., (CPT) (Al) B Co, 3-58 Avn Regt (ATS), CMR 454, Box 2001, APO AE 09250. Dy: 011-49-9802-832839. Res: 011-49-98195647. EM: stillia@aol.com. S: Melissa. Dy: Company Commander, Katterbach Germany. RW Qual. Time: 1,005 Hrs. Past Chap Offr.

Stiner, Mark T., (CPT) 2085 Appalachian Hwy, La Follette, TN 37766. S: Alyssa. Dy: Aviation Advanced Course, Fort Rucker, AL. RW Qual. Time: 200 Hrs.

Stinger, Charlene P., (CPT) 300 Candlewood Drive, Enterprise, AL 36330. Res: (334) 347-8279. EM: cpstinger@uwanet.com. S: Russell. Dy: DOTDS, Fort Rucker, AL. RW Qual. Time: 300 Hrs.

Stinger, Russell E., (CPT) 300 Candlewood Drive, Enterprise, AL 36330. EM: cpstinger@uwanet.com. Dy: Deep Observations-EUSA, PSC 202, Box 27, APO AP, 96205, Korea.

Stinson, Roger, (1LT) 820A Hidden Springs Dr, Clarksville, TN 37042. Res: (615) 552-1222. Dy: A Co, 7/101 Avn Regt, Fort Campbell, KY. RW Qual. Time: 282 Hrs.

Stokes, Brian J., (CPT) 412 West Main St, Apt 5, Madison, WI 53703. Dy: (507) 282-4450. Res: (608) 251-5307. EM: bstokes@madison.ida.net. Dy: RTT Madison, 1-147 Aviation, WARRNG. RW Qual. Time: 500 Hrs.

Stoner, Eric J., (2LT) (Stones) 114 Liveoak, Enterprise, AL 36330. Dy: (334) 255-9090. Res: (334) 347-1236. Dy: D Co, 1/145th Avn.

Storms, Russell L., (CPT) (Russell) 1478 A Kimball Avenue, Seaside, CA 93955. Dy: (408) 656-4086. Res: (408) 394-3562. EM: storms@cs.nps.navy.mil. S: Deanna. Dy: PhD Student, Naval Postgraduate School, Rtg: AA. RW Qual. Time: 700 Hrs.

Stroyan, Richard J., (CPT) (Rick) CMR 454, Box 1863, APO AE 09250. S: Dina. Dy: Cdr, B Co, 3/58th Avn, Past Chap. Officer.

Stuart, Christopher, (1LT) CMR 477, Box 1527, APO AE 09165. Dy: 312-322-7724. Res: 011-49-6181-574296. EM: cstuart@compuserve.com. Dy: 2-501st Avn. RW Qual. Time: 500 Hrs.

Sturgeon, Michael S., (CPT) (Mike) 524 Lauman Ave., Apt. LS, Fort Sill, OK 73503. Dy: (405) 442-4936. Res: (405) 248-2456. S: Piliac. RW Qual. Time: 1,260 Hrs.

Styer, John A., (CPT) 123 N. Harris Drive, Fort Rucker, AL 36362. Dy: (334) 255-1755. Res: (334) 598-2727. EM: jstyer2011@aol.com. S: Deana Lea. Dy: Small Group Leader. Rtg: AA. RW Qual. Time: 750 Hrs./Cbt 30 AM/1.V.

Sullivan, Kevin T.K., (CPT) (Sully) 1733 Broadripple Drive, Clarksville, TN 37042. Dy: (502) 798-4444. Res: (615) 572-0981. S: Orta. Dy: B Co, 5-101 Avn. Regt. RW Qual. Time: 1,350 Hrs.

Sullivan, Stephen K., (1LT) 94-176 Anania Drive, Apt. 270, Milliani, HI 96789. Dy: (808) 656-1322. S: Jill. Dy: Platoon Leader, B/2-25 Avn. RW Qual. Time: 350 Hrs.

Swanson, Steven S., (2LT) (Steve) 622 Whittle Hudson Road, Ozark, AL 36360. Dy: (334) 445-0275. Res: (334) 255-9090. EM: swandog23@juno.com. Dy: D Co, 1/145th Avn Regt. Time: 60 Hrs.

Swift, Jennifer K., (CPT) HHC, 2-1 Aviation Regt., CMR 454, Box 3557, APO AE 09250. Dy: 001-49-9802-832645. DSN 467-2645. Res: 001-49-9825-93018. EM: swiftj@email.ansbach.army.mil. Dy: Battle Captain-Bosnia, Asst S-3, Katterbach Army Airfield. Rtg: MTP. RW Qual. Time: 250 Hrs. Life Member.

Switzer, Michael R., (CPT) (Switz) P.O. Box 412, California, MD 20619. Dy: (301) 342-4411. Res: (407) 597-2058. EM: switze_michael@opaxi@mr.navy.mil. Dy: US Navy Test Pilot School, Patuxent River, MD. Rtg: SAA. RW Qual. FW Qual. Time: 2,350 Hrs. Life Member. Past Chapter Officer.

Tarvin, David A., (2LT) (Tony) 102 Whipoorwill Lane E, Richmond Hill, CA 31324. Dy: (912) 362-6478. Res: (912) 756-6542. EM: datarvin@aol.com. S: Kyle. Dy: Attack Platoon Leader, B/1-3 Avn Bn, Hunter Army Airfield. Rtg: AA. RW Qual. Time: 225 Hrs.

Taylor, Brian H., (CPT) P.O. Box 620235, Fort Rucker, AL 36362-0235. Res: (334) 347-3458. RW Qual. FW Qual. Time: 760 Hrs.

Taylor, Mark C., (CPT) 707 Pine Bough Lane, Montgomery, TX 77356. Dy: (409) 525-3374. Res: (409) 588-1538. EM: mrtaylor@uno.com. S: Jil. Dy: RTD. 7-6 Cavalry Regiment, Conroe, TX. Rtg: SAA. RW Qual. Time: 1,200 Hrs. Past Chapter Officer.

Taylor, Tony, (2LT) 2-501 A Co. Avn. CMR 477, Box 1664, APO AE 09165-2600. Dy: 06181-573745. S: Angela. Dy: A Co., 2/501st Avn., Hanau, Germany.

Taylor, William B., (2LT) (Bill) 110 Comanche Street, Enterprise, AL 36330. Dy: (334) 255-9090. Res: (334) 393-7234. Dy: Student.

Tejchma, Corey M., (1LT) 222 Skyline Drive, Daleville, AL 36322. Dy: (334) 255-1279. Res: (334) 598-6026. Dy: B Co. 1-13th Avn. RW Qual. Time: 400 Hrs.

Templin, Roy D., (CPT) 4737 Chester Harris Rd., Woodlawn, TN 37191. Dy: (502) 798-3871. Res: (615) 920-2914. EM: templin@aol.com. S: Leslie. Dy: B Co., 8th Bn, 101st Abn Div (AASLT), Fort Campbell, KY. Rtg: MTP. RW Qual. Time: 1,100 Hrs./Cbt 17

Tetu, Michael T., (CPT) (Mike) 387 Hilliard Drive, Fayetteville, NC 28311. Dy: (910) 396-6984. Res: (910) 823-9052. EM: tatesrugby@aol.com. Dy: HHC, Cdr, 4-15th Avn Maint Bn. Rtg: AA. RW Qual. Time: 350 Hrs.

Thaler, Juliana L., (CPT) (Julie) 220 Hugh Hunter Drive, Oak Grove, KY 42262. EM: toumajian@campbell-emh5.army.mil. Dy: HHC, Avn Bde, Fort Campbell, KY. Rtg: AA. RW Qual. Time: 950 Hrs. AM/1.

Thelmer, Hugh A., (CPT) 4904 Mikey Drive, Killeen, TX 76542. Res: (817) 634-4366. S: Kellie. Dy: A/615th ASB, Fort Hood, TX. Rtg: AA. RW Qual. Time: 810 Hrs.

Thomas, Larry W., (CPT) 6618 Oak Farm Drive, Acworth, GA 30102. Dy: (770) 952-0044. Res: (770) 529-1588. EM: cpthwt@aol.com. S: Karen. Dy: Commander, Army Recruiting Co., Marietta, GA.

Thomas, Mikki H., (CPT) 2823 Cummings Circle, Clarksville, TN 37042. Dy: (502) 798-7135. Res: (615) 920-2997. EM: cpmikik@aol.com. Dy: Assistant S3, HHC/5-101 Avn, Fort Campbell, KY. RW Qual. Time: 750 Hrs.

Thompson, Abigail H., (2LT) (Abi) 108 E. Gordon Lane, Savannah, GA 31401. Dy: (912) 352-6614. Res: (912) 238-5519. Dy: Avionics Platoon Leader, K Co, 4/159 Avn Maint Bn, HAA, GA. RW Qual. Time: 200 Hrs.

Thompson, Brian L., (CPT) 20144 Wemer Park, Fort Campbell, KY 42223. Dy: (502) 798-1847. EM: thompson@hop-uky-campus.mcl.net. S: Annette. Dy: 1-160th SOAR (A), Fort Campbell, KY. Rtg: SAA MTP. RW Qual. Time: 1,200 Hrs.

Thompson, Gerald S., (2LT) (Scott) P.O. Box 310803, Enterprise, AL 36331-0803. Res: (334) 393-0570.

Thompson, John, (CPT) (JT) 308 North First Street, Hampton, VA 23664. Dy: (757) 878-3068. Res: (757) 851-7494. EM: jthomp777@aol.com. Dy: Commander, 3rd Staff & Faculty Company, Fort Eustis, VA. RW Qual. FW Qual. Time: 500 Hrs.

Thomson, Mark H., (CPT) 787 Nola Ruth, Harker Heights, TX 76548. Dy: (817) 288-9843. Res: (817) 698-4699. S: Michele. Dy: Co Commander, C4-227 Avn, 4 Bde, 1st Cav Div, Fort Hood, TX. RW Qual. Time: 650 Hrs.

Thorsrud, Derek R., (CPT) 4902 Glass Mountain, Killeen, TX 76542. Res: (817) 699-4661. S: Donna. Dy: 1st Cavalry Division. Rtg: AA. RW Qual. Time: 560 Hrs.

Tingstrom, Peter B., (1LT) (Hollywd) 2024 Callista Circle, Fayetteville, NC 28304-4743. Dy: (910) 432-8926. Res: (910) 426-1057. EM: stranger77@aol.com. S: Melody. Dy: HHC/1-82d Avn, Fort Bragg, NC. RW Qual. Time: 650 Hrs.

Tisdale, Valen S., (CPT) (Val) 3211 Hatten Road, Seaside, CA 93955. Res: (408) 899-3806. EM: vstsdale@aol.com. S: Lisa A. Dy: Student, Defense Language Institute. Rtg: AA. RW Qual. Time: 800 Hrs.

Tobolt, Marcea A., (1LT) (Marcy) 68-121 Av. Street, Apt. 206, Waiakua, HI 96791. RW Qual.

Toft, Madeline E., (1LT) (Maddy) 26488 Robin Ln., Evans Mills, NY 13637. Res: (315) 629-4470. EM: toft@northnet.org. Dy: 1-10 Avn Regt, 10th Mtn LT Infantry Div, Fort Drum, NY. RW Qual. T: 500 Hrs.

Towns, Kyle W., (2LT) Route 3, Box 279B, Enterprise, AL 36330. Res: (334) 393-2343. Dy: Student.

Townsend, Kristen L., (CPT) 95-185 Hokuila Pl, Mililani, HI 96789. Dy: (808) 656-1217. Res: (808) 625-5411. S: Scott. Dy: Company Commander, B Co, 2/25 Avn Regt. RW Qual. Time: 900 Hrs.

Traum, Steven B., (2LT) (Brady) HHC 2-2 Avn, Unit 15427, Box 85, APO AP 96257. S: Julie. Dy: 2d Bn, 2d Avn Regt, 210, Korea. RW Qual. Time: 171 Hrs.

Trawinski, Jennifer W., (CPT) (Jenn) 246 Hanley Way, Henderson, TN 89014. Dy: (702) 652-2272. Res: (702) 896-5553. EM: trawinski@osdf.nellis.af.mil. S: Joseph. Dy: Joint Combat Search & Rescue/Test & Eval. Nellis AFB, NV. RW Qual. Time: 400 Hrs.

Traylor, John M., (CPT(P)) (Mark) 102 Stone Ridge Circle, Helena, AL 35080. Dy: (205) 940-3579. Res: (205) 620-4972. EM: traylorj@dox81st-emh1.army.mil. S: Karole. Dy: Chief, Field Support Branch DCSIM, 81st RSC, Birmingham, AL. Rtg: AA. RW Qual. Time: 750 Hrs.

Tremlett, Michael L., (2LT) (Mike) 31 E. Harris Drive, Fort Rucker, AL 36362. Dy: (334) 255-9090. Res: (334) 598-5083. S: Belinda. Dy: D Co, 1-145th Avn Regt. Fort Rucker, AL. RW Qual. Time: 200 Hrs.

Truett, Terry L., (CPT) CMR 477, Box 1539, APO AE 09165. Dy: 322-7702. Res: 016023-32857. EM: terry_truett@msn.com. S: Stephanie. Dy: S2/S3. RW Qual. Time: 1,100 Hrs. AM/1.

Tschida, Carol M., (CPT) PSC 1, Box 2001, APO AA 34001-9998. S: Jake. Dy: C CO. 1-228 Avn Regt.

Tucker, John C., (2LT) (Tuck) 302 Meadowlark Lane, Enterprise, AL 36330. Dy: (334)255-9090. Res: (334)393-8184 Dy: D Co, 1-145th Avn.

Tuftie, Bruce J., (CPT) 3413 East Henderson Way, Clarksville, TN 37042. Dy: (502) 798-9681. Res: (615) 647-2082. EM: tuftieb@soar.net. S: Lana. Dy: Cdr, HHC, 2/160th SOAR (A), Fort Campbell, KY. RW Qual. Time: 1,300 Hrs.

Turbak, Lori L., (1LT) 5709 Five Sisters Court, Fayetteville, NC 28311. Dy: (910) 396-9533. Dy: 18th Avn Bde, Asst S-4, Budget Officer, Fort Bragg, NC. RW Qual. Time: 325 Hrs.

Turnage, Ronald E., (2LT) 799 Donnell Boulevard, Apt. 2, Daleville, AL 36322. Dy: (334) 255-9090. Res: (334) 598-4578. Dy: D Co, 1/145th Avn Bn.

Tussing, Jon M., (CPT) 104 Justice Grice, Williamsburg, VA 23185. S: Karen. Dy: Student, Aviation Advanced Officer Course. Rtg: AA. RW Qual. Time: 750 Hrs. Life Member.

Tyler, Kevin C., (1LT) 1908 Windward, Apt. B, Killeen, TX 76541. Dy: Ft. Hood, C-Co 2-4 Avn., Cbt. 300

UUUUUUUU - VVVVVVVV

Ubinas, Joe E., (1LT) 115 W. Main Street, Sackets Harbor, NY 13685. Dy: (315) 772-9096. Res: (315) 846-1014. Dy: Assistant S-3, 2-10 ABH, 10th Mtn Div (LJ). RW Qual. Time: 400 Hrs.

Unrath, Craig S., (CPT) 3838 Maria Circle, Clarksville, TN 37042. Dy: (502) 798-3953. Res: (615) 551-9164. S: Melissa. Dy: 2nd Bn, Avn Bde, 101st Abn Div, Fort Campbell, KY. Rtg: AA. RW Qual. FW Qual. Time: 1,100 Hrs.

Vanasse, Meg, (CPT) (Meg) P.O. Box 7474, Fort Gordon, GA 30905. Rtg: AA. RW Qual. Time: 1,400 Hrs.

Vannoorbeeck, Vincent L., (CPT) (Vince) 1470 McClardy Road, Clarksville, TN 37042. Dy: (502) 798-1258. Res: (615) 647-5753. S: Louise. Dy: D Company, 1-160th SOAR (A). Rtg: SAA MTP. RW Qual. Time: 1,450 Hrs./Cbt 105 AM/1.

Vannoy, John M., (CPT) A Co 1-1 Avn Regt. CMR 454, Box 1742, APO AE. S: Amy. Dy: Cdr A Co 1-1 Avn Regt. EM: vannoyj@email.asnch.mil. Time: 1,000 Hrs. AM/1.

Van Prooyen, Peter R., (CPT) B Co, 1-1 Avn Regt. CMR 454, Box 1692, APO AE 09250. EM: pvanprooyen@compuserve.com. S: Lisa. Dy: Co Cdr, Katterbach, Germany. RW Qual. Time: 500 Hrs.

VanWeelden, Douglas C., (CPT) (Doug) 104 Vineyard Lane, Enterprise, AL 36330. Dy: (334) 255-5053. Res: (334) 393-9884. S: Susan. Dy: D Company, 1-14th Avn, Ft. Rucker, AL. RW Qual. Time: 700 Hrs.

Van Zandt, Lance K., (2LT) 104 Oakland Drive, Enterprise, AL 36330. Dy: (334) 255-9090. Res: (334) 393-0571. Dy: Student.

Velloff, Richard J., (2LT) (Rich) B Co, 2-1 Avn Regt, CMR 454, Box 2806, APO AE 09250. Dy: 011-49-9802-832854. Res: 011-49-981-89895. Dy: B Co, 2-1 Avn Regt, Katterbach, Germany. Rtg: AA, RW Qual. Time: 201 Hrs.

Verhulst, Kenneth J., (CPT) (Ken/Ver) CMR 477, Box 502, APO AE 09165. EM: ken_verhulst@compuserve.com. S: Paula. Dy: Co Cdr, A3-58, Hanau, Germany. RW Qual. Time: 3 Hrs.

Vermillion, Cheryl N., (2LT) B Co, 4-58th Avn. Regt., Unit 15348, APO AP 96258-0197. Dy: 011-82-351-870-6708. Res: 011-82-351-870-8326. EM: eaav-4-58-b-xo@emh2.korea.army.mil. Dy: Exec Offr, B Co, 4-58 Avn, Camp Red Cloud, Korea. Rtg: AA, RW Qual. Time: 200 Hrs.

Vine, Christopher, (2LT) (Chris) 2045 Tynewood Dr, Clarksville, TN 37042. Dy: (502) 798-6013. Res: (615) 905-0157. S: Christina. Dy: Platoon Ldr, B Co, 4-101st Avn Regt, Fort Campbell, KY. RW Qual.

Vollmuth, Robert J., (CPT) 97 Pratt Drive, Enterprise, AL 36330-2293. Dy: (334) 255-7457. Res: (334) 393-2941. EM: cpt_robert_vollmuth@smplink.nuclear.amgco.army.mil. Dy: US Army School of Aviation Medicine, Fort Rucker, AL. Rtg: MTP, RW Qual. FW Qual. Time: 1,300 Hrs. 93 Air/Sea Rescue.



Wade, Norman M., (CPT) Savannah Chapter Secy., 13 St. Ives Way, Savannah, GA 31419. Dy: (912) 352-6475. Res: (912) 927-7899. S: Missy. Dy: Commander, A Co, 1st Bn (Attack), 3d Aviation Regt, HAAAF, GA. RW Qual. Time: 700 Hrs./Cbt 100 AM/1. Secretary, Savannah Chapter.

Walls, Charles S., (CPT) (Chuck) HHC, 2-501 Avn, CMR 477, Box 1549, APO AE 09165. Dy: 011-49-6183-51-555. Res: 011-49-6183-80608. S: Donna. Dy: S4, Hanau, Germany. Rtg: SAA, RW Qual. Time: 1,140 Hrs.

Walraven, Kenneth E., (CPT) 346 Sayles Landing, Richmond Hill, GA 31324-5519. Dy: (912) 352-6912. Res: (912) 727-4289. EM: walravenk@soar.net. S: Jamie. Dy: Opera Offr, B Co, 3/160th SOAR (A), HAAAF, GA. Rtg: SAA, RW Qual. Time: 1,500 Hrs./Cbt 70 AM/2.

Walters, Christian J., (CPT) 179 Harrier Court, Clarksville, TN 37042. Dy: (502) 798-5570. Res: (615) 431-8479. Dy: Asst. S-3/AH-64 Pilot, 3-101st Avn Regt, RW Qual. FW Qual. Time: 800 Hrs.

Wang, Eric T., (CPT) CMR 416, Box 111, APO AE 09140. S: Christine. Dy: Trp Cdr, HHT, 2-6 Cav. RW Qual. Time: 900 Hrs.

Ward, Chad E., (1LT) 1525-A Werner Avenue, Fort Campbell, KY 42223. Dy: (502) 798-3759. Res: (615) 431-6746. S: Stephanie. Dy: A2-101 Avn Regt, Pitt Ldr, RW Qual. Time: 315 Hrs.

Wargacki, Darrin W., (CPT) (Maveric) 306-A Third Street, Huachuca City, AZ 85616. Dy: (520) 533-2017. Res: (800) 754-3116. EM: maveric@primenet.com. S: Felicidad. Dy: Assistant TRADOC System Manager for UAVs (Hunter), Rtg: AA, RW Qual. FW Qual. Time: 1,500 Hrs. Life Member.

Warner, Kurtis L., (CPT) 6147 Laketrail Drive, Fayetteville, NC 28304. Dy: (910) 396-7347. Res: (910) 426-3742. EM: kwarner@fay.infi.net. S: Barbara. Dy: Troop E, 1st Squadron, 17th Cavalry, Fort Bragg, NC. RW Qual.

Warner, Thomas L., (2LT) 122 Foxhill Dr, Enterprise, AL 36330. Res: (334) 347-1306. S: Teresa. Dy: IERW Student, D Co, 1/145th Avn.

Warren, Vanessa L., (1LT) 1492 Eastmeadow Drive, Colorado Springs, CO 80906. Dy: (719) 526-5028. Res: (719) 579-6484. EM: vwarren@aol.com. S: Greg. Dy: S-5, 4/3 ACR, Fort Carson, CO. RW Qual. Time: 350 Hrs.

Watanabe, Nathan K., (CPT) 90 Woodfield Pl, Enterprise, AL 36330. Dy: (334) 347-7500.

Waters, Christopher, (CPT) (Muddy) 131 Woodfield Place, Enterprise, AL 36330. Dy: (334) 255-3444. Res: (334) 347-9695. Dy: A1-145th Avn. RW Qual. FW Qual. Time: 710 Hrs.

Watkins, Timothy L., (CPT) P.O. Box 5757, Monterey, CA 93944-0757. Res: (408) 375-4739. Dy: Foreign Area Officer, DLI Presidio of Monterey. Rtg: SAA, RW Qual. Time: 1,250 Hrs./Cbt 2

Watrud, Christopher, (CPT) (Chris) HHC, 11th Avn Regt, CMR 416, Box 1244, APO AE 09140. Dy: DSN 4674535. Res: 01-49-9841-68400. S: Karen. Dy: Illesheim, Germany. Rtg: AA, RW Qual.

Watson, Dale E., (CPT) HHT, 6-6 Cavalry, CMR 416, Box 1251, APO AE 09140. Dy: 4674-970/960. S: Barbara. RW Qual. Time: 1,100 Hrs.

Weaver, Charles L., (CPT) (Charlie) 203F Quarter Trail, Newport News, VA 23608. Dy: (757) 878-2290. Res: (757) 888-2281. S: Hollin. Dy: Cdr, B Co, 1/222 Avn. Regt., Fort Eustis, VA. RW Qual. Time: 550 Hrs.

Weaver, Mickey E., (CPT) 170-24 Foch Boulevard, Jamaica, NY 11434. S: Monica. Dy: Fort Bragg, NC. RW Qual.

Weber, Patrick A., (CPT) (Pat) 802 Park Pl, Garden City, SC 67846. Dy: (407) 623-3528. Res: (407) 384-0381. EM: weber_patrick @ 204th.magnetic.net. S: Angie. Dy: Flight Operations Officer, Mil. Intel. Bn. (LI), Orlando, FL. Rtg: AA, RW Qual. FW Qual. Time: 1,600 Hrs.

Wegner, Dean D., (1LT) 14530 Nautical Ln, #22, P.O. Box 2111, Helendale, CA 92342. Dy: 011-49-6183-51504. Dy: (760) 254-3085. Res: (760) 952-1316. S: Kelly. Dy: Platoon Ldr, NTC Aviation Co (AASLT) Life Member, VP, Member, Enrollment, High Desert Chap.

Wegner, Robert G., (CPT) HHC, 1-501 Avn Regt, CMR 477, Box 2203, APO AE 09165. EM: wegner@email.hanau.army.mil. S: Lisa. Dy: Asst. S3. Rtg: AA, RW Qual. Time: 500 Hrs.

Wehmeyer, Marc A., (1LT) 3509 Lionel Lane, Fayetteville, NC 28311. Res: (910) 482-8989. EM: mawehmeyer@aol.com. S: Ashleigh. Dy: Assistant S-3/Liaison Officer, HHC, 229th Avn, Fort Bragg, NC. RW Qual. Time: 475 Hrs. 93 Aaaa USMA Cadet.

Weigner, Heather E., (2LT) 539 Cutchen Lane, Apt. 302, Fayetteville, NC 28314. RW Qual. Time: 150 Hrs.

Weinshel, Matthew R., (2LT) 38 Weeping Willow Lane, Fairfield, CT 06432. Dy: DSN 734-5011. Res: (203) 372-6004. EM: eaid-ca-f03 @ emh10.korea.army.mil. Dy: Platoon Leader, E Troop, 4-7 Cavalry, Camp Stanton, Korea. RW Qual. Time: 210 Hrs.

Wellman, Frederick P., (CPT) (Fred) Aloha Chap. VP Memb., 732 Duncan St, Wahiawa, HI 96786. Dy: (808) 656-1114. Res: (808) 624-3382. EM: stan@scholfield-emh1.army.mil. S: Crystal. Dy: Avn Bde S-1, 25th Idt (Light), Rtg: SAA, RW Qual. Time: 1,190 Hrs./Cbt 46 AM/1. Vp, Membership Enrollment, Aloha Chapter, Past Chap. Offr.

Wenzel, Robert B., (CPT) (Bob) R2, Box 472, Montoursville, PA 17754. Res: (717) 425-0734. Dy: Flight Surgeon.

West, Neal A., (CPT) 1791 Cottingham Court, Clarksville, TN 37042. Dy: (502) 798-5228. Res: (615) 920-2421. S: Megan. Dy: B Co, 8-101st Avn Regt, Fort Campbell, KY. RW Qual.

West, Staton W., (2LT) 134 Woodfield Place, Enterprise, AL 36330. Dy: (334) 255-9090. Res: (334) 393-0493. Dy: Student Pilot, D Co, 1/145th Avn.

White, John C., (CPT) (Whitey) 3 LaPoterie Street, Fort Bragg, NC 28307. Dy: (910) 396-8282. Res: (910) 497-4890. EM: jwhite7930 @ aol.com. S: Dawn. Dy: Commander, HHC, 3-229th Avn (Avn). Rtg: AA, RW Qual. Time: 975 Hrs.

Wickenhagen, Devin R., (1LT) 207 Avn Co, Unit 29231, Box 221, APO AE 09102. Dy: 373-6384. EM: wickenhagend@hq.hqsareur.army.mil. S: Sarah. Dy: 207 Avn Co, Heidelberg, GE. RW Qual.

Wideman, James G., (1LT) (JG) CMC Avn Det, CMR 414, Box 801, APO AE 09173. Dy: 09472-83-2514. Res: 09493-90068. Dy: Airfield Commander, Hohenfels, Germany. RW Qual. Time: 450 Hrs. Secretary, Bavarian Chapter.

Wildunas, Robert M., (CPT) (Wildbob) 208 Stratford Lane, Enterprise, AL 36330. Dy: (334) 255-6879. Res: (334) 393-9134. EM: S: Laura. Dy: Aviation Psychologist, USAARL. Time: 710 Hrs.

Wilkinson, Kenneth M., (CPT) (Kenny) 38 Nijmegen Street, Fort Bragg, NC 28307. Dy: (910) 432-8990. Res: (910) 496-1103. EM: kennylw@aol.com. S: Tonya. Dy: Cdr, B Co, 2-82nd Avn, 82nd Airborne Div, Fort Bragg, NC. Rtg: SAA, RW Qual. FW Qual. Time: 1,015 Hrs. Past Chapter Officer.

Wilkinson, Scott D., (1LT) C Co, 1-501st Avn Regt, CMR 477, Box 725, APO AE 09165. Dy: DSN 322-7578. COM 011-49618351578. Res: 011-496183573964. EM: wilkss@email.hanau.army.mil. S: Melinda. Dy: Attk Helicopter Platoon Ldr, Hanau, Germany. RW Qual.

Williams, D. Heath, (CPT) HHC, 2-1 Avn Regt, CMR 454, Box 3069,

APOAE 09250. Dy: 011-49-9802-832636. Res: 011-49-9827-7205. S. Cindy. Dy: Battalion S-2, Katterbach, Germany. RW Qual. Time: 450 Hrs./Cbt 40 AM/1.

Williamson, Jack W., (CPT) 2903 Belt Loop, Killeen, TX 76543. Res: (817) 519-1905. S. Elizabeth. Rtg: AA. RW Qual. Time: 500 Hrs.

Williams, Reginald G., (CPT) (Reggie) CMR 3, Box 7646, Fort Rucker, AL 36362. Res: (334) 598-1390. S. Stacy. RW Qual. Time: 676 Hrs.

Williams, Richard L., (CPT) 51 Hickory Oak Drive, The Woodlands, TX 77381. Dy: (409) 525-3371. Res: (281) 298-7197. S. Donna. Dy: HHC, 1st Cav Div w/duty at 7-6 Cav, Conroe, TX. Rtg: IP. RW Qual. Time: 1,200 Hrs./Cbt 36 AM/1, V. Bronze OSM.

Williams, Robert L., (1LT) (Bo) HQs, 1-4 Cav., CMR 464, Box 20, APO AE 09226. Dy: DSN 553-6623 or 011-49-9721-968623. Res: 011-49-9726-6997. EM: s3a1-4cav@email.schweinfurt.army.mil. Dy: S-3 Air, Schweinfurt, Germany. RW Qual. Time: 600 Hrs.

Willis, Kevin D., (CPT) P.O. Box 3303, Fort Polk, LA 71459-3303. Dy: (318) 531-8470. Res: (318) 537-4956. Dy: JRTC Ops Group. Rtg: AA. RW Qual. Time: 750 Hrs.

Wilson, Robert E., (CPT) (Rob) A Troop, 2-6 Cavalry, CMR 416, Box 302, APO AE 09140. Dy: 011-49-9841-83802. Res: 011-49-9841-80334. EM: 110026.1205@compuserve.com. S. Julie. Dy: A Troop, 2-6 Cav Commander, Ilshheim, Germany. Rtg: SAA. RW Qual. Time: 1,000 Hrs./Cbt 17 AM/2.

Wimberly, Kevin P., (1LT) 3807 Lone Oak Drive, Killeen, TX 76542-4535. Dy: (817) 287-4363. Res: (817) 680-4600. EM: wimberlyk@hooch-emh3.army.mil. S. Jennifer. Dy: IIIV Platoon Leader, 1-4 Avn, 4ID, Fort Hood, TX. RW Qual. Time: 175 Hrs.

Wise, Malcolm L., (2LT) (Wiseman) 674 Live Oak Church Road, Hinesville, GA 31313. Dy: (817) 287-8103. Res: (912) 369-5244. Dy: A Co, 1-4 Avn Regt, Fort Hood, TX. RW Qual. Time: 200 Hrs.

Wittgen, Charles E., (CPT) (Chuck) 306 Split Rail Cir, Apt. 202, Newport News, VA 23602. Dy: (757) 878-4681. Res: (757) 872-9891. EM: cwittgen@aol.com. S. Joe Ann. Dy: Avn Material Acquisition Officer (Simul). Fort Eustis, VA. Rtg: SAA MTP. RW Qual. Time: 2,200 Hrs.

Wood, David E., (CPT) (Woody) 1532 Biltmore Ave., Lancaster, PA 17601. Res: (717) 391-7050. EM: wooddav@aol.com. S. Lisa. Rtg: SAA. RW Qual. Time: 1,700 Hrs./Cbt 50 AM/1. Past Chap. Officer.

Woodside, Stephen N., (2LT) (Steve) 71 A.M. Windham Drive, No. 102, Daleville, AL 36322. Dy: (334) 255-9090. Res: (334) 598-1277. EM: swoody@worldfax.com. Dy: Fort Drum. RW Qual. Time: 220 Hrs.

Workman, Robert S., (CPT) (Shane) 6500 Gaines Ferry Road, J-3, Flowery Branch, TX 30542. S. Army. Dy: Training Officer, 159th Avn Regt, Fort Bragg, NC. RW Qual. Time: 360 Hrs.

Worrell, Matthew W., (2LT) 716 Juniper, Lewisville, TX 75067. Res: (972) 438-1494. S. Camille. Dy: Student Pilot.

Wucik, Joseph A., (CPT) (Joe) 5405 Claymont Dr, Apt. 271, Alexandria, VA 22309. Dy: (703) 806-7669. Res: (703) 780-7052. EM: wucik@nvl.army.mil. Dy: Project Leader, Avn Branch, Night Vision

Elect. Sensors Dir. Rtg: AA. RW Qual. Time: 750 Hrs./Cbt 3 AM/1.

Wyatt, Desi L., (CPT) 2736 Lake Shore Drive, Apt. 806, Waco, TX 76708-1044. S. Veleska. Rtg: AA. RW Qual. Time: 300 Hrs.Hrs.

Wyatt, William M., (CPT) (Chris) P.O. Box 1944, Ames, IA 500 Hrs.Hrs.10. Res: (515) 292-4188. S. Vera. Dy: Army ROTC, Iowa State University.

Wynkoop, James R., (2LT) (Jim) C Troop, Box 394, Camp Eagle Korea, APOAP 96297. Res: 011-82-371-8-2708. EM: Jim_Wynkoop@hutmil.com. RW Qual. Time: 200 Hrs. Hrs.

Wyrovsky, William A., (2LT) 104 Woodlawn Drive, Enterprise, AL 36330. Res: (334) 347-2532. Dy: Student.

YYYYYYYY - ZZZZZZZZZZ

Yates, Marc G., (CPT) 16 Diamond Circle, Fort Rucker, AL 36362-2213. Dy: (334) 255-8202. Res: (334) 598-4786. EM: yates@snowhill.com. S. Wendy. Dy: Developmental Test Pilot, USAATC, Fort Rucker, AL. RW Qual. FW Qual. Time: 1,050 Hrs.

Yerger, Kristopher, (CPT) (Kris) P.O. Box 1152, Copperas Cove, TX 76522. Dy: (817) 288-100 Hrs.Hrs.1. Rtg: (817) 518-2580. S. Amy. Dy: D4-227th Avn, 1CD, Ft Hood, TX. Rtg: MTP. RW Qual. Time: 950 Hrs.

Young, Lissa V., (CPT) (Elvira) 71 Lattintown Road, Newburgh, NY 12550-1046. Dy: (914) 938-5031. Res: (914) 569-00 Hrs.Hrs.25. EM: l0690@xmail.usma.edu. Dy: Instructor, Military Leadership, USMA, West Point, NY. RW Qual. Time: 900 Hrs. Hrs.

Young, Rollin J., (CPT) 7804 Sheffield Green Way, Lorton, VA 22079. Dy: (703) 706-2169. Res: (703) 339-2431. S. Linda. Dy: Aviation Officer, G-4, INSCOM. Rtg: AA. Time: 2,300 Hrs.

Ystuseta, William F., (CPT) A Co, 5-159th Avn Regt, CMR 408, Box 347, APO AE 09182. EM: niking12469@aol.com. Dy: Maint Officer. RW Qual. Time: 520 Hrs.

Yun, Terry J., (CPT) (Terry) B Troop, 3-6 Cavalry, Unit 15711, Box 406, APO AP 96271. Dy: 753-6483. Dy: Troop Commander.

Zampelli, Rick, (1LT) 600 Hrs.Hrs. Robin Lane, Enterprise, AL 36330-1514. Dy: Fort Rucker, AL. RW Qual. Time: 500 Hrs. Hrs.

Zartman, Bruce, (CPT) CMR 454, Box 2827, APO AE 09250. Dy: 49-980-2832736. Res: 49-981-12739S. Winje. Dy: HHC/4th Brigade, 1st Infantry Division (Bde Adjutant) Katterbach GE. Rtg: AA. RW Qual. Time: 700 Hrs.

Zero, Guy M., (CPT) Savannah Chap VP Prog., 9 Davelita Drive, Savannah, GA 31419-3156. Dy: (912) 352-5650. EM: gzero@ibm.net. S. Marsha. Dy: D Co, 1-58 Avn Regt (Corps). RW Qual. FW Qual. Time: 1,900 Hrs.Hrs. Hrs. Vp. Programs, Savannah Chapter.

Zimmerman, Charles D., (1LT) CMR 467, Box 5129, APO AE 09096. Dy: 337-5122. EM: thezimmermans@compuserve.com. S. Michelle. Dy: 159th Medical Co, Air Ambul., Wiesbaden, Germany. RW Qual.

Zygod, Richard M., (1LT) 2444 Whitfield Road, Apt. A, Clarksville, TN 37040. Dy: (602) 798-5801. Res: (615) 645-4199. EM: zygod@aol.com. Dy: Platoon Ldr, A Co, 9-101st Avn. RW Qual.

HIGH TIMES

CPT Leonard W. Bowley - 5,200 Hrs.

CPT Peter H. Smart - 4,200 Hrs.

CPT Gordon D. Mayes - 4,000 Hrs.

CPT(P) Tony Angelo - 3,500 Hrs.

CPT Charles A. Fish - 3,300 Hrs.

CPT Keith K. Banning - 2,600 Hrs.

CPT Erik Erker - 2,600 Hrs.

CPT Donald M. Reedy - 2,500 Hrs.

CPT Cory Steinkne - 2,480 Hrs.

2LT Kevin A. Belden - 2,400 Hrs.

CPT Michael R. Switzer - 2,350 Hrs.

CPT Rollin J. Young - 2,300 Hrs.

CPT Charles E. Wittgen - 2,200 Hrs.

CPT Christopher B. Carille - 2,100 Hrs.

CPT Michael J. Gawkins - 2,100 Hrs.

CPT Laurel E. Edwards - 2,000 Hrs.

CPT Michael F. Manni - 2,000 Hrs.

CPT Balram J. Bheodan - 1,970 Hrs.

2LT Eric E. Ecker - 1,960 Hrs.

CPT Darwin L. Haines - 1,900 Hrs.

CPT Guy M. Zero - 1,900 Hrs.

CPT Robert T. Ault - 1,800 Hrs.

CPT Jeffrey R. Holcomb - 1,800 Hrs.

CPT Heidi A. Jentoft - 1,800 Hrs.

CPT Patrick H. Mason - 1,800 Hrs.

CPT Terry J. Jamison - 1,750 Hrs.

CPT Gregory J. Janosik - 1,700 Hrs.

CPT R. Wallace Larson - 1,700 Hrs.

CPT Brian S. McNaughton - 1,700 Hrs.

CPT David E. Wood - 1,700 Hrs.

CPT(P) Steven T. Koenig - 1,650 Hrs.

1LT Gary L. Cunningham - 1,600 Hrs.

CPT Robert J. Johnston - 1,600 Hrs.

2LT Bryan P. Martyn - 1,600 Hrs.

CPT(P) Marc D. Moquin - 1,600 Hrs.

CPT David R. Noel - 1,600 Hrs.

CPT Jennifer J. Odom - 1,600 Hrs.

CPT Patrick A. Weber - 1,600 Hrs.

CPT John D. Beatty - 1,550 Hrs.

CPT Jeffrey O. Rich - 1,550 Hrs.

CPT Richard A. Bucher - 1,500 Hrs.

CPT Curt S. Cooper - 1,500 Hrs.

CPT Todd A. Kubista - 1,500 Hrs.

CPT(P) John F. Laganelli - 1,500 Hrs.

CPT Deborah A. Myers - 1,500 Hrs.

CPT Mark C. Patterson - 1,500 Hrs.

CPT Alvin J. Ridenour - 1,500 Hrs.

CPT Kenneth E. Walraven - 1,500 Hrs.

U.S. ARMY AIRCRAFT

Since 1947 ★ An Illustrated Reference



STEPHEN HARDING

U.S. ARMY AIRCRAFT

Since 1947
An Illustrated Reference
Stephen Harding

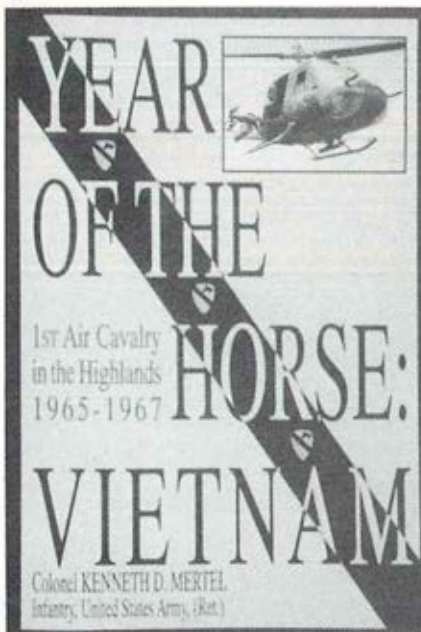
U.S. Army Aircraft Since 1947 is the only comprehensive, up-to-date guide to the 124 types of helicopters, fixed-wing aircraft and experimental flying machines used by the U.S. Army since 1947. After a concise yet thorough introductory history of U.S. Army Aviation, the author discusses each aircraft type used by the Army's air arm, which is the largest, most technologically advanced and most combat experienced force of its kind in the world today. Within each chapter the author includes information on aircraft serials, markings, weapon systems, operational history and other technical data. Illustrated with more than 220 color and black and white photographs, *U.S. Army Aircraft Since 1947* is the definitive reference source on its subject and a must-have volume for all military aviation historians and enthusiasts. [Schiffer Publishing Ltd. Size: 8 1/2" x 11", 264 pages, hard cover; ISBN: 0-7643-0190-X].

YEAR OF THE HORSE: VIETNAM

1st Cavalry in the Highlands
1965-1967

COL Kenneth D. Mertel (USA, Ret.)

Year of the Horse: Vietnam is the day-by-day story of the Jumping Mustangs - 1st Battalion, Airborne, 8th Cavalry, of the 1st Air Cavalry Division. After describing the activation of this then revolutionary airmobile division at Fort Benning, GA on 1 July 1965, COL Mertel gives a vivid picture of the building of his own Jumping Mustang Battalion, the rigorous training of officers and men, and, finally, the long voyage across the Pacific to Vietnam. Now the test. The answer came quickly and dramatically in a rapid succession of search and destroy operations. COL Mertel pays tribute to the many acts of heroism of his men, who lived, worked and fought together in some of the world's most inhospitable conditions. He also writes movingly of those who never came back. [Schiffer Publishing Ltd. Size: 6" x 9", 384 pages, hard cover; 59 color photographs, 9 maps; ISBN: 0-7643-0190-X].



A CAVALRYMAN'S STORY

Memoirs of a
Twentieth Century Army General
Hamilton H. Howze

A Cavalryman's Story is the memoir of a professional soldier, born into the lineage of West Point and recognized today as the father of U.S. Army Airmobile tactics and doctrine. With understated charm and humor, GEN Howze writes of his polo-playing years in a 1930s Army that still relied on horses, and then of the sudden, almost remarkable transition to armored divisions, when the U.S. entered WWII. It was in the mid-1950s that GEN Howze emerged as one of a handful of perceptive Army officers who recognized the potential of a sky cavalry. As the first director of Army Aviation, GEN Howze promoted the concept to industry, the government, and the public. His vision came to fruition in the 1960s when he presided over the U.S. Army Tactical Mobility Requirements Board, known as the Howze Board, which proved the viability of sky cavalry in combat. *A Cavalryman's Story* provides an authoritative look at the forging of the modern Army and a wry perspective on the perennial absurdities of military life, whether in peace or war. [Smithsonian Institution Press. Size: 6" x 9", 316 pages, hard cover; ISBN: 1-56098-664-6].

Memoirs of
a Twentieth-
Century
Army General

A CAVALRYMAN'S STORY

Hamilton H. Howze

ORDER YOUR BOOKS TODAY!

Your Name _____
Mailing Address _____
City, State & Zip _____
Tele: _____ FAX: _____
I prefer to pay as follows: _____ Check _____ MasterCard _____ VISA
Credit Card # _____ Exp. _____
Signature: _____

U.S. ARMY AIRCRAFT - Stephen Harding	#	\$50.00*	\$
YEAR OF THE HORSE - Kenneth D. Mertel	#	\$40.00*	\$
A CAVALRYMAN'S STORY - Hamilton H. Howze	#	\$29.95*	\$
* (Prices Already Include Shipping & Handling Fee) TOTAL			\$

Please return this form, with payment, to:
Army Aviation Publications, Inc.
49 Richmondville Avenue, Westport, CT 06880
Tele: (203) 226-8184 - FAX: (203) 222-9863

ALLOW 6-8 WEEKS FOR SHIPMENT • *ADD 6% SALES TAX IF SHIPPING TO CONNECTICUT



MAILBOX



Share your opinion on matters of interest to the Army Aviation Community. The Publisher reserves the right to edit letters for style, accuracy, or space limitations. All letters must be signed and authors identified. The Publisher will withhold the author's name upon request. The opinions expressed are those of the authors, and do not reflect the opinion of ARMY AVIATION Magazine. Send letters to AAAA MAILBOX, 49 Richmondville Ave., Westport, CT 06880-2000, Tel: (203) 226-8184, FAX: (203) 222-9863, E-Mail: aaaa@quad-a.org.

Dear Editor:

I found your Branch Update by MG Petrosky (12/31/96) about Army Aviation in Stability and Support Operations (SASO) particularly interesting and informative. I would like to add some additional information concerning the accomplishments of Army reconnaissance aircraft during Operation Joint Endeavor. Specifically, the critical role of Task Force Eagle's dedicated Guardrail Common Sensor (GRCS) aerial Signals Intelligence (SIGINT) collection system.

The GRCS system was deployed to Taszar, Hungary, in support of Operation Joint Endeavor by road, rail and air on 23 December 1995. The highly complex system was set up and operational by 28 December 1995, providing critical near real-time intelligence to the ground commander before and during the 29 December 1995 Sava River crossing. This was accomplished in weather that would keep most platforms on the ground.

The 1st Military Intelligence Battalion, with its eight RC-12K mission aircraft, has been providing targetable aerial SIGINT since the very beginning of Operation Joint Endeavor with a 99.7 percent mission success rate. The system has demonstrated time and again the capability to surge to double and triple Relief On Station (ROS) missions. This allowed for over 12 hours of continuous coverage for such critical events as the Bosnian National Elections.

In SASO, the ground commander must have constant, reliable intelligence in order to maintain flexibility in the fluid environment of operations other than war. In its first year of

deployment, the GRCS system flew over 1000 successful mission sorties, never dropping a mission due to aircraft maintenance problems. The 1st MI Bn (AE) continues to provide critical intelligence to the warfighter during Operation Joint Guard, with a split-base operation between the Balkan Theater and Central Region. To date, the unit has flown over 1400 mission sorties in support of the ongoing contingency operation, maintaining the capability to surge for the ground commander when called upon. The GRCS system will continue to be com-mander's eyes and ears "out front".

Special thanks to all of the support from the aviation and intelligence organizations.

CPT Neil S. Hersey

Dear Editor:

Congratulations to CPT W. N. Dabbs winning the 1996 AAAA essay contest, especially the bit about the ABDU flight suit. He is absolutely right! There has always been a mindset to disguise aviators as grunts. Maybe it's the price aviation paid to be part of the combat arms. However, why are armor crewmembers in one-piece, non-camouflaged Nomex coveralls, and why does the Army want aviators in a twopiece BDU flight suit? What's wrong with this picture? In this era of jointness, we have a very reasonable joint service Nomex flight suit. Let's keep it. We have better things to spend taxpayer's money on than fashion shows in the TOC. Hello?

Thomas E. Lasser, CA ARNG

ARRIVALS DEPARTURES

LT. COLONELS

Gomez, Patrick M., 132 Winder's Lane, Yorktown, VA 23692.
Lawrence, David L., 5604 Bazydio Street, Fort Polk, LA 71459.
Mackey, David C., 120 E. Yellow Breaches Rd., Carlisle, PA 17013.
Schmer, Kevin G., 3 Cedar Drive South, Old Bethpage, NY 11804.

MAJORS

Eichelberger, Scott, 1351 Pitty Pat Road, Clarksville, TN 37042.
Smith, Mark S., 6970 Britten Dr., Ste. 201, Fort Belvoir, VA 22060.
Trankovich, John J., HQ V Corps, G-3 Avn., CMR 420, Box 2212, APO AE 09063.
White, Christopher, 6766 A Bators Street, Fort Polk, LA 71459.

CAPTAINS

Batts, Stacy M., 422 Holmes Drive, Sildell, LA 70460.
Huff, Tom T., 290 Bizerte Road, Apt. B, Fort Lee, VA 23801.
Slimer, Mark T., 2085 Appalachian Hwy, La Follette, TN 37766.
Thorsrud, Derek R., 4902 Glass Mountain, Killeen, TX 76542.
Tussing, Jon M., 88 Blackhawk Drive, Daleville, AL 36322.
Wenzel, Robert B., RD 2, Box 472, Montoursville, PA 17754.

1ST LIEUTENANTS

Dennis, Ben Hideo, AFKN, Unit 15324, Box 61, APO AP 96205.
Haake, Karsten J., CMTC Avn Det, CMR 414, Box 1632, APO AE 09173.
Johnston, Steven R., 4508 Teal Drive, Killeen, TX 76542.
Taylor, Chadwick B., 9124 Riggs Lane, Apt. B, Overland Park, KS 66212.
Tragemann, Bart R., C/2 AMC, Unit 15428, APO AP 96257.

2ND LIEUTENANTS

Amman, Joseph D., P.O. Box 620027, Fort Rucker, AL 36362.
Dobbe, Jennifer L., 131 Wayah Creek Road, Apt. J, Fayetteville, NC 28314.
Galligan, Gregory J., 332A Merweather St., Enterprise, AL 36330.
Groh, Dawn M., PSC 3, Box 2038, APO AP 96266 EM.
lygr@inet.att.com
Knight, Letitia, 306 Daleville Avenue, No. 5, Enterprise, AL 36330.
Lehman, Renee A., RD# 1, Box 543, Pine Grove, PA 17963.
Slauffer, Arnold F., 60 Woodfield Place, Enterprise, AL 36330.
Stewart, Christopher, D.C. 1-145th Avn., CMR 3, Box 7334, Fort Rucker, AL 36362.
Worrell, Matthew W., 716 Juniper, Lewisville, TX 75067.

CW4s

Wineland, Jeffrey A., 1904 Claymont Drive, Clarksville, TN 37040.

CW3s

Beam, James A., 9646 Regency Loop SE, Olympia, WA 98513.
Reardon, James C., 4313 Loma Hermosa Drive, El Paso, TX 79934.

CW2s

Joseph, Brian J., 46 Woodfield Place, Enterprise, AL 36330.

WO1s

Cundiff, Christopher, 209 Glenwood Lane, Apt. 1, Enterprise, AL 36330.
Dunaway, James E., 51 Boyce Lane, Fort Rucker, AL 36362.
Morgan, Philip M., 107 Woodfield Place, Enterprise, AL 36330.
Ryzek, Ronald E., 678 Front Street, Chicopee, MA 01013.
Voiers, Robert P., 200 Cheyenne Drive, Apt. 36, Enterprise, AL 36330.
Williams, Daniel W., 4400 Rucker Blvd., Apt. A, Enterprise, AL 36330.

ENLISTED SOLDIERS

Brey, Larry D., SGM, 3 Tiara Park, Fort Rucker, AL 36362.
Proctor, Derrick L., SGT, Fort Campbell Repl. Det., Fort Campbell, KY 42223.

CIVILIAN

Arbutnot, Lane, 13719 Waterhouse Way, Orlando, FL 32828.

RETIRED/OTHER

Kilpatrick, Thomas M., COL, 604 Second Avenue, Beesley's Point, NJ 08223.

JOIN THE PROFESSIONALS! — JOIN AAAA!



ARMY AVIATION ASSOCIATION OF AMERICA (AAAA)

49 RICHMONDVILLE AVE., WESTPORT, CT 06880 • PHONE: (203) 226-8184 • FAX: (203) 222-9863

Please check one: ☐ Change of Address; ☐ New Membership Application

I wish to join the Army Aviation Association of America (AAAA). My past or current duties affiliate me with U.S. Army Aviation and I wish to further the aims and purposes of the AAAA. I understand that my membership includes a subscription to AAAA's official magazine "Army Aviation", and that my membership will result on the subsequent first of the month. Contributions or gifts to AAAA are not deductible as charitable contributions for federal income tax purposes. Dues payments may be deductible by members as ordinary and necessary business expenses.

RAISE/OS Grade ☐ Full Name ☐ MI ☐ Last Name ☐ Sex

Mailing Address

Mailing Address

City State Zip + 4 Code

Active Duty or Civilian Job Title and Unit or Firm Name

Area Code Office Phone Area Code Residence Phone Area Code FAX

Consent: ☐ I do ☐ I do not consent to the publication or release of the above information to third parties.

Signature Date

Citizenship Nickname Spouse's Name

Date of Birth (Mo/Yr) Social Security No.

AAAA ANNUAL DUES

Applicants other than those listed below:
() 1 yr, \$21; () 2 yr, \$39; () 3 yr, \$57
Full-Time Residents: Billed; WOCS: GS-8 DMO & Below;
Wage Board 12 DMO & Below:

() 1 yr, \$14; () 2 yr, \$25; () 3 yr, \$36
Add \$5 per year if you have a foreign, non-APO address.
Add \$15 if your check is drawn on a foreign bank.

☐ Check enclosed payable to "AAAA" or charge to
☐ AMEX ☐ Diners Club ☐ Mastercard ☐ Visa

Card No.

Acct \$ Exp. Date

Signature:

Date:

Check (✓) Your Professional Qualification:

() Army Active Duty () US Defense Industry
() DA/OSD Civilian () Consultant
() Army Inst. Guard () Publishing/Other Asst.
() Army Reserve () Foreign Military Service
() Army Retired () Foreign Defense Industry
() Other US Military Service () Other
Are you a former AAAA member? ☐ Yes ☐ No
If yes, what year did you join?
Chapter Affiliation Preferred
Print Name of Recipient

AAAA President's Message

MG John D. Robinson, Ret.

The AAAA Convention may be behind us as we move into the Summer of 1997, but AAAA is not slowing down. Over the next few weeks, the AAAA Awards Committee will meet in Washington to select the 1997 Scholarship Recipients; the Army Aviation Hall of Fame Board of Trustees will meet in Washington to undertake the first round in nomination selections for the 1998 Hall of Fame Inductions; and planning for the Second Annual AAAA Army Aviation Symposium, 2-4 September 1997, at the Crystal Gateway Marriott in Arlington, VA, will be finalized.

This year, the Simulation Symposium will focus on Virtual and Constructive Simulation and include perspectives from BG John Geis, CG, STRICOM, MG Jim Snider, PEO Aviation, as well as COL Bill Powell, Director of Training, Doctrine and Simulation, USAAVNC, and COL Hawk Ruth, Division Chief, Army Models and Simulations, ODCSOPS. Subjects will cover everything from near and mid term acquisition strategies to the integration of High Level Architecture (HLA). Contact the AAAA National Office or the AAAA home page for details, www.quad-a.org.

I would also like to bring your attention again to the new AAAA Flight Pay insurance program. Our agent has fielded several questions lately from enlisted crew members and National Guard members on how the program works for them. The program is very simple and completely flat. It is based on a civilian disability insurance program.

Regardless of what you are receiving today in Aviation Career Incentive Pay (ACIP), whether you are a newly minted aviator, senior crew chief, or mid-career flight surgeon, Active or Reserve Component, you will receive \$650.00 per month for 12 months after the Army stops paying your ACIP for medical reasons that permanently removes you from flight status.

It does not matter that you are actually receiving \$132.00 per month, \$50.00 per month, or the maximum of \$650.00 per month right now from the Army. This insurance program will pay \$650.00 per month for a 12 month period, and there is NO war exclusion. There are also \$25,000.00 lump sum plans available.

We look upon this as one of the greatest tangible membership benefits AAAA can provide. It is unique and available only through the AAAA. See the ad on page 79 of this issue for more information. This can significantly soften the financial blow of losing your ACIP for medical reasons.

We have already started planning the 1998 AAAA Annual Convention in Charlotte, NC and have had our first IPR with USAAVNC to lay down the program and speakers. Look for some dynamic changes next year. Details to follow in a subsequent column.

Attention Chapter Presidents! The Senior leadership of the AAAA will be calling you directly over the next couple of months to conduct a telephone survey. We want to hear about your concerns and the challenges our members face and the opportunities for AAAA to assist you. Chapter Members! If you have issues you want brought forward, contact your chapter president ASAP.

Finally, one sad note. On behalf of the AAAA National Executive Board, I would like to recognize the passing of MG Delk M. Oden, Ret., AAAA President from 1972 to 1973. Delk died 13 June 1997 and was interred at Arlington National Cemetery on 23 June 1997. Although suffering from cancer, Delk attended his class reunion at West Point just a few weeks before his death. Our thoughts are with his wife Peggy and the family.

**AIR ASSAULT CHAPTER
FORT CAMPBELL, KY**

Mr. Carmon Kincell
CPT Kelly J. Peltz

**ALOHA CHAPTER
HONOLULU, HI**

SSG James M. Olson

**ARMADILLO CHAPTER
CONROE, TX**

CW2 Carl M. O'Connor

**AVIATION CENTER CHAPTER
FORT RUCKER, AL**

2LT Kelly M. Abercrombie
2LT Michael E. Ahis
2LT Joseph D. Amman
WO1 Joel E. Anderson
WO1 Brandon Bales
2LT Randy J. Belfrey
WO1 John D. Bourdeaux
WO1 James M. Brendel
WO1 Dana R. Brewer
WO1 Travis R. Bridwell
2LT William J. Brooks
2LT Anthony J. Cassino

WO1 James R. Cornell
WO1 Christopher M. Cundiff
2LT Thomas J. Dahl
WO1 James E. Dunaway
2LT Robert P. Federigan
WO1 Andy G. Fisher
2LT Gregory J. Galligan
LTC Gordon D. Griffin, Ret.
2LT Spencer D. Hasch
2LT Maureen C. Henry
WO1 Kelly S. Hess
WO1 Thomas J. Higgins
WO1 Eric L. Hoffman
WO1 Wade C. Holley
WO1 Carman R. Huber
2LT Letitia N. Knight
2LT Jeffrey W. Kohler
2LT Ryan L. Lampe
WO1 Jeremy S. Lashbrook
WO1 Joseph Laucius
WO1 David M. Lewandowsky
WO1 Gregory J. Marolt
WO1 Chad R. Medina
WO1 Philip M. Morgan



**NEW
MEMBERS**



2LT Gregory N. Mouritsen
WO1 William P. Nager
2LT Stephen W. Owen
WO1 Dino V. Parmentier
WO1 Jeff D. Perrine
2LT Brian J. Pratt
WO1 Ricky R. Reno
WO1 Mark L. Schlafman
WO1 Christopher C. Simons
2LT Christopher B. Stewart
WO1 Robert P. Voiers
WO1 Daniel W. Williams

**BAVARIAN CHAPTER
HOHENFELS, GERMANY**

CW4 Kenneth H. Sargent

**BLACK KNIGHTS CHAPTER
WEST POINT, NY**

CPT Scott A. Graham

**CEDAR RAPIDS CHAPTER
CEDAR RAPIDS, IOWA**

Mr. Thomas E. Easley
Mr. Thomas W. Schamberger
Mr. Larry D. Tjaden
Mr. Richard F. Ziska

**CENTRAL FLORIDA CHAPTER
ORLANDO, FL**

MAJ Robert H. Cook

**COLONIAL VIRGINIA CHAPTER
FORT EUSTIS, VA**

COL Harrell N. Gillis, Ret.

**CORPUS CHRISTI CHAPTER
CORPUS CHRISTI, TX**

Mr. Robert C. Barbere
Mr. Robert G. Evans
Mr. Steven R. Friday
Mr. Gilbert Hernandez, Jr.
Mr. David A. Keyser
Mr. William A. Lentis
Mr. Linwood Moore, Sr.
Mr. Norbert M. Schweinsberg
SPC Christopher F. Venn
SSG Donnie Ray Williamson
Ms. Cynthia L. Youngblood

**FLYING TIGERS CHAPTER
FORT KNOX, KY**

CPT William H. Clark

**INDIANTOWN GAP CHAPTER
INDIANTOWN GAP, PA**

MSG Timothy R. Bentz

**MONMOUTH CHAPTER
FORT MONMOUTH, NJ**

CWS Norman Stewart

**NARRAGANSETT BAY CHAP.
N. KINGSTOWN, RI**

CDT Steven R. Geroux
Mr. August Krebs

**NORTH TEXAS CHAPTER
DALLAS/FORT WORTH**

1LT Lemuel L. LaRue, Ret.

**OREGON TRAIL CHAPTER
SALEM, OREGON**

SGT Mark Bern
Mr. David F. Farrell
Mr. Henry Lisboa
Mr. Derek G. Sprague

**PHANTOM CORPS CHAPTER
FORT HOOD, TX**

CW4 Claudio R. Facundo
LTC Christine B. Knighton
CW2 Jon A. Nash

**POTOMAC CHAPTER
ARLINGTON**

HALL STATION, VA
MAJ Mark W. Boreson
MAJ Thomas C. Jackson
CW4 Gerald Walters

**SAVANNAH CHAPTER
FT STEWART/
HUNTER AAF, GA**

CW2 Timothy S. Ashcom

**TAUNUS CHAPTER
WIESBADEN, GERMANY**

LTC Kenneth R. Crook
TENNESSEE VALLEY CHAP.
HUNTSVILLE, AL
BG Robert E. Armbruster, Jr.

**MEMBERS WITHOUT
CHAPTER AFFILIATION**

WO1 Melvin DeJesus
COL Joe I. Durant, Ret.
CW3 John McConnell
MAJ Frank P. Nascimben, Ret.
2LT Altheria M. Niles, Jr.
COL Harold J. Reedy, Ret.
SGT John H. Scott
Lt. Colonel Y. Tsirayankis
1SG Leslie E. Tummons, Ret.
2LT Daniel J. Underwood
WO1 Brian D. Winnell

**Second Annual AAAA
Army Aviation Simulation Symposium
2-4 September 1997, Arlington, VA**

**Sponsored by
the Army Aviation Association of America (AAAA)
and the AAAA Potomac Chapter**

AAAA ANNUAL PRESIDENT'S REPORT

The following remarks are excerpted from the AAAA President's Annual Report delivered by then President, MG Richard E. Stephenson, Ret. during the AAAA Membership Meeting, 24 April 1997 at the AAAA Annual Convention in Louisville, KY.

Well, where is AAAA today? In total membership, as of April 1, 1997 there were 14,760 active members. Notably, enlisted membership is still quite strong and remains at almost 16% of total AAAA membership. We have also gained another 80 Life members to now total 1,192. Industry support has also kept pace with last year, we now have 197 Industry Members. Sustaining Memberships for local non defense related businesses are also strong with 47 as of 1 April.

National, Regional, and Chapter activities have also done very well. The first ever AAAA Annual Army Aviation Simulation Symposium was held last September due in large part to the efforts of the Potomac Chapter. It was a resounding success by all measures of Professional Development, attendance, industry participation. The Fourteenth Annual Quad-A Aviation Electronic Combat (AEC) Symposium took place in November in Long Branch, NJ, and set attendance and revenue records. Three months ago, the Lindbergh Chapter Annual Joseph P. Cribbins Product Support Symposium served as another excellent opportunity for AAAA to foster communication between the Army and Industry. All three of these events not only provided significant professional development to the Army Aviation Community, but also ended up helping our members through increased scholarship programs as a result of the revenue generated.

Quad-A's 64 Chapters held almost 200 meetings in 1996. We have also welcomed four new Quad-A Chapters in the last 12 months: Jimmy Doolittle Chapter, Columbia, SC, Land of Lincoln Chapter, Peoria, IL, Sinai Chapter, Cairo, Egypt and the Stonewall Jackson Chapter, Sandston, VA.

ARMY AVIATION MAGAZINE continues to bring comprehensive information written by and for the Army Aviation Community to our members and also sponsors the Annual AAAA Essay Contest.

One of Quad-A's biggest annual efforts is the Quad-A Awards Program. 1996 Award winners are:

Aircraft Survivability Equipment Award sponsored by Northrop Grumman: Mr. Peter R. McGrew, Senior Analyst, SRI International, Systems Development Division, Menlo Park, CA.

The Avionics Award sponsored by Cubic Defense Systems, Inc.: SPC Verne St. Remy, Avionics Mechanic, 6-101st Aviation Regiment, Fort Campbell, Kentucky.

Army Aviation Trainer of the Year Award sponsored by Hughes Training, Inc., Link Division: CW2 Charles Preston Watson, B Company, 224th Military Intelligence Battalion (AE), Hunter Army Airfield, Georgia.

Army Aviation Air/Sea Rescue Award sponsored by Lucas Aerospace: G Company, 104th Aviation, Pennsylvania Army National Guard, Philipsburg, PA. MAJ David J. Curci, CW3 Timothy R. O'Neill, SSG Eric J. Mott, SSG George A. Oldt, 1LT Mark D. Siple, SGT Arthur Goodling, CW3 John H. Cross, Jr., CPT Eric M. Bleakney, CW2 Jeffrey A. Reep, SSG William V. Westover, SGT Robert M. Biffart, SGT Bruce W. Sheetz, CW3 Daniel J. Reggie, SSG Edward W. Blantz, SGT Nicholas S. Gilliland, CPT Michael J. Jones, CW4 Martin D. Dillingham, CW3 Michael P. Slattery, SGT Brian C. Beck, SGT Patrick A. Sevetsky, and SGT Robert W. Wilcox.

The Fixed Wing Unit Award sponsored by FlightSafety International: 224th Military Intelligence Battalion (Aerial Exploitation).

Army Aviation Medicine Award sponsored by Gentex Corporation: Captain Terrence L. Lakin, MD, HHC, 4th Brigade, 1st Armored Div., Operation JOINT ENDEAVOR, APO AE.

The ATC Platoon Award: E Company, 58th Aviation Regiment (ATS), APO AE, commanded by Captain John Wilhelm Jones.

The ATC Facility Award: Cairns Army Airfield Tower, Daleville/Fort Rucker, Alabama, commanded by Captain James M. Corcoran.

The ATC Controller Award: Staff Sergeant Richard T. Cofer, E Company, 58th Aviation Regiment (ATS), APO AE.

The ATC Manager Award: Staff Sergeant Thomas L. Melo of A Company, 1st Battalion, 11th Aviation Regiment, Aviation Training Brigade, Fort Rucker, AL.

The ATC Maintenance Technician Award: Sergeant First Class Charles E. Dick, A Company, 4th Battalion, 58th Aviation Regiment, Yongsan, Korea, APO AP.

The Outstanding Logistic Support Unit of the Year Award: 127th Aviation Support Battalion, 1st Armored Division, USAREUR and Seventh Army, APO AE.

The Individual Industry Award: Ms. Christine L. Henderson, COBRO Corp., Earth City, MO.

The Materiel Readiness Award for Contributions by an Industry Team, Group or Special Unit: Advanced Engineering and Planning Corp. and Logistics Management Engineering.

The Small Business Organization Award: Westar Corporation/Avion, Inc.

The Major Contractor Award: DynCorp's Fort Rucker Division.

The Top ROTC Cadet of the Year: Matthew S. Rader.

The Top U.S. Military Academy Cadet of the Year: Philip J. Root.

This is what AAAA is all about... recognizing excellence. In addition to all these Functional awards, there is the AAAA Distinguished Graduate Award program. This program was vastly expanded in 1992 and now provides the top graduates from the U.S. Army Aviation Logistics School, U.S. Army Aviation Center and the Army National Guard Aviation Training Sites with awards documenting their achievements.

One of our most significant programs, certainly in financial terms, is the AAAA Scholarship Foundation Inc. We help our members before, during, and after they and their loved ones graduate from college. In 1996, the Foundation was able to give out a record 71 scholarship grants and loans for a total of \$160,500. We expect to match that effort this year.

Our web site is up and running at QUAD-A.ORG We are very proud of this membership benefit and encourage you to take advantage of it and to offer any suggestions you may have. There are resources on the page to communicate directly to the National Office which will distribute your feedback to the appropriate NEB member or Committee.

Finally, and most importantly, we have just launched our Flight Pay Insurance Program. With this new program, for \$5.00 per month if you are under 30 years old, and \$10.00 per month if you are between 30 and 45, you will receive \$650.00 per month for 12 months after the Army stops paying your ACIP if you bust your medical and are put on permanent NON flight status (see ad on pg. 79). This is regardless of your current ACIP, and this program does NOT have a war exclusion. There are also lump sum programs available. Reserve Component as well as Active flight crews are eligible.

Your Association is managed by a board consisting of ten elected Vice Presidents, twenty National Members-at-Large who are appointed annually by the President, and the Past Presidents of the AAAA, the Past Executive Vice President and National Members-at-Large Emeritus who serve as permanent members of the Board. In addition, the NEB is also comprised of the USAREUR Region President and the Presidents of Chapters representing 150 or more members.

You should not hesitate to communicate your thoughts to your board representative. In addition, we are reviewing the AAAA By-Laws and governance to see how we can make this organization as flexible and responsive to the needs of our members as possible.

In summary then, we've had a very productive year, with new awards, new programs, new symposiums and a much better financial picture than we have had in the last few years.

AAAA LOCATOR



The AAAA offers its members the opportunity to contact the National Office for addresses and phone numbers of other members with whom they have lost touch over the years.

In addition, as a service to our members, a brief announcement may be placed in these pages to help locate those who are not AAAA members.

Sir:

I am helping a British retired "Bobby" try to locate the U.S. Army or Air Force Helicopter pilot & crew who rescued him from capture or death, on 4 Jan. 1951, in Korea. He was severely wounded but remembers the name "Tommy Tomlinson" of the crew.

The British soldier's name is Frank Johnson. He has been trying to locate this crew since his rescue and recovery. Frank was a member of the British soldiers attending the Korean Veterans Memorial service.

Please contact: Bob Kennedy (803) 760-1511.

reks68@aol.com
bobros@juno.com

AAAA BALANCE SHEET AS OF DECEMBER 31, 1996

ASSETS	
Cash	\$30,343
Cash Equivalents	638,327
Debts and Equity Securities	41,000
Loan and Accounts Receivable	—
Inventory of Pins	6,149
Prepaid Administrative Fees	200,860
Prepaid Expense	3,082
TOTAL ASSETS	\$919,761
LIABILITIES	
Accrued Expenses and Allocations Payable	\$75,255
Deferred Membership Dues	185,209
Deferred Convention Revenues	205,600
TOTAL LIABILITIES	466,064
FUND BALANCES	
General Fund	20,730
Board Designated Funds	
Emergency Fund	300,000
Hall of Fame Escrow Fund	17,990
Order of St. Michael	14,977
Reserve for Executive VP Expenses	100,000
TOTAL FUND BALANCES	453,697
TOTAL LIABILITIES AND FUND BALANCES	919,761

STATEMENT OF REVENUE, EXPENSES AND CHANGES IN FUND BALANCES AS OF DECEMBER 31, 1996

REVENUES	
Membership Dues	286,299
Annual Convention	745,881
AEC Symposium	58,785
Simulation Symposium	54,325
Souvenirs	1,588
Interest	32,776
Unrealized Loss of Sale of Available-for-Sale Securities	3,625
Order of St. Michael	9,556
Miscellaneous	955
TOTAL REVENUES	1,193,790
EXPENSES	
General and Administrative	328,160
National Programs	85,086
Chapter Programs	36,406
Annual Convention	427,520
AEC Symposium	50,008
Simulation Symposium	49,999
AAAA Scholarship Foundation	36,699
Hall of Fame	10
Order of St. Michael	3,102
AAAA Scholarship Foundation Donation	25,000
Army Aviation Museum Donation	14,777
HCA Donation	5,000
TOTAL EXPENSES	1,061,767
EXCESS OF REVENUES OVER EXPENSES	132,023
FUND BALANCE—BEGINNING	321,674
FUND BALANCE—ENDING	453,697

A L E R T

ACT NOW TO END HEALTH CARE DISCRIMINATION!

Tell Congress to Keep Health Care Promises Call 1-800-392-5700

Last year, Congress "blinked" at the last minute and failed to enact a test program of Medicare subvention, the first step toward restoring health care equity to Medicare-eligible retirees of the uniformed services.

The 24 military and veterans' associations of The Military Coalition (TMC) are committed to winning legislation in 1997 that will move us toward that goal on two fronts. **Medicare subvention** would help end the current "lockout" from military hospitals and clinics by authorizing Medicare to partially reimburse the Department of Defense for seeing additional Medicare-eligibles in those facilities. **FEHBP-65** would authorize Medicare-eligible uniformed services beneficiaries to enroll in the same Federal Employees Health Benefits Program the government already offers every other federal retiree.

Congress is waking up to the magnitude of the problem, but there are lots of other issues on the congressional agenda, and "the squeaky wheel gets the grease." You can help ensure the government keeps its promises to uniformed services retirees by using the Health Care Equity Hotline to send Mailgrams urging your two U.S. senators and your U.S. representative to sign on as cosponsors for subvention and FEHBP-65 legislation. Here's how:

- Dial Western Union's toll-free Health Care Equity Hotline number, 1-800-392-5700. The hotline is open seven days a week, 24 hours a day. With a computer, you can send mailgrams via Western Union's Web site (<http://www.wucs.com/hotline/0040/healthcare.html>).
- Give the operator your full name, address, ZIP code, and telephone number. Ask the operator to send our prestored health care equity Mailgrams to your elected officials. You don't need to know their names or addresses; Western Union will automatically send your messages to the right legislators.
- Three Western Union messages will be hand delivered the following day to your two U.S. senators and your U.S. representative.
- You will be billed \$6.75 directly on your phone bill. In areas where telephone billing is not possible, the operator will give you the option of receiving an invoice directly from Western Union or placing the charge on a VISA or MasterCard.

**WESTERN
UNION**

Dear Representative:

- I am writing to urge you to help restore health care equity for retired members of the uniformed services. While on active duty, these retirees were promised lifetime health care and other benefits in return for enduring the many sacrifices inherent in a 20- to 30-year service career. That promise has not been kept.
- Medicare-eligible uniformed services retirees and family members are being locked out of military medical facilities, and they are the only federal retirees who receive virtually no employer-provided Medicare-supplemental insurance. The federal government provides heavily subsidized supplemental health insurance for all retired civil servants, members of Congress, and retired congressional staffers.
- IBM, GM, Ford, and Exxon all do the same for their retirees.
- Uniformed services retirees deserve no less.
- Please help champion the cause of health care equity for uniformed services retirees by cosponsoring the following bills: **H.R. 76** (FEHBP-65) would let Medicare-eligible retirees sign up for the same Federal Employees Health Benefits Program (FEHBP) already afforded all other federal retirees; **H.R. 414** (Medicare subvention) would authorize Medicare to partially reimburse the Department of Defense for treating additional Medicare-eligibles in military treatment facilities; **H.R. 192** would authorize the same subvention concept as H.R. 414, but as a demonstration test.

Sincerely yours,

(Note: A similar message will go to both of your senators.)

- If you have any problems with the service or your bill, call 1-800-Mailgram (1-800-624-5472) Monday through Friday, 9:00 a.m. to 5:00 p.m. Eastern time.
- **Pass the word!!!** Every message is critical if we hope to achieve our health care equity goal.

**Health Care Equity
HOTLINE
1-800-392-5700
(cost is only \$6.75)**

New AAAA Chapter Officers

Aviation Center:

CSM Robert F. Eckrich, Jr.
(VP, Elisted Affairs).

Bavarian:

LTC William L. Wimbish,
III (President); CPT Frank
M. Muth (SrVP); 1LT
James G. Wideman; CPT
James C. Pietsch (Treasur-
er); SGM William L. Clark,
Jr. (VP, Enlisted Affairs);
MAJ Charles A. Jumper
(VP Chapter Awards).

Big Red One:

LTC George E. Hodge
(President); CPT Paul D.
Anderson (Treasurer).

Bonn:

MAJ James Craig Tallman
(President).

Citadel:

CDT Derek Shan Finison
(President); CDT Jason T.
Cook (SrVP); CDT Craig
S. Jayson (Treasurer).

Edwin A. Link:

CW3 Fernando Martinez,
Ret.

Greater Chicago:

LTC Clark M. Delavan.

Iron Eagle:

LTC William M. Wilkinson
(President); MAJ Paul J.
Wood (VP Membership Ren-
ewal); MAJ James P.
Ludowese (VP Chapter
Awards); MAJ Michael M.
Pacherco (VP Member-
ship); LTC James P.
McGaughey, IV (VP In-
dustry).

Morning Calm:

CW5 Leon C. Whitehurst
(Treasurer).

COL R. Potter Campbell, Jr., Ret.

COL R. Potter Campbell, Jr., Ret., 78, died suddenly on 9 FEB 97 in Lebanon, NH.

Born in West Orange, NJ, COL Campbell graduated from Phillips Exeter Academy in 1936 and from the United States Military Academy at West Point, NY in 1941.

COL Campbell was a combat veteran of World War II, the Korean War, and the Vietnam War, where he commanded the 12th Army Aviation Group. His awards include two Legions of Merit, the Distinguished Flying Cross, the Bronze Star Medal, the Air Medal with V, 17 Air Medals, and the Senior Army Aviator badge.

Survivors include his wife of 55 years, Elizabeth "Betty" (Brooks) Campbell, three daughters, nine grandchildren and five great-grandchildren.

On 31 January 1997, COL Ronald R. Reichelderfer, (left) Commander, 12th Aviation Brigade presented the Bronze Award, Order of Saint Michael, to LTC Robert L. Berkstresser, (2nd from left) HHC, 12th Aviation Brigade, and CW4 Michael Pascalar (3rd from right), Company B, 1st Military Intelligence Battalion (AE). Also are pictured, COL Charles Green (3rd from left), Commander, 205th MI Brigade, LTC Mike T. Inman (2nd from right), Taunus Chapter President, and LTC Jim A. Boland, Jr., (right) Senior Vice-President and former Commander, 1st MI Bn.





Above: The 1997 Annual Convention marked the transition of AAAA Scholarship Foundation, Inc. leadership. COL John W. Marr, Ret. (right) outgoing Foundation President is seen here handing over the gavel to new Foundation President MG Robert S. Frix, Ret.

Below: Former AAAA Secretary-Treasurer, now Senior Vice President MG Carl H. McNair, Jr. Ret. (center) recently visited Fort Campbell. He is flanked by LT David Bresser (left), Platoon Leader, 5th BN/101st Avn Bde and CW2 John R. Hernandez posing next to their new UH-60L.



New AAAA

Chapter Officers

Rising Sun:

MAJ Wesley D. Potter,
Ret. (VP Programs)

USAREUR:

COL David F. Sale, Ret.
(Regional President)

New AAAA

Industry Members

The AGES Group
Boca Raton, FL

AMTEC Corporation
Huntsville, AL

Anchor Continental, Inc.
Columbia, SC

ASRC Contracting Co, Inc.
Rancho Cordova, CA

Cyberchron Corporation
Cold Spring, NY

Computer Systems
International (CSI)
Chesapeake, VA

Dart Aerospace Ltd.
Sidney BC, Canada

General Dynamics
Burlington, VT

Helicomb International
Tulsa, OK

Hughes Defense
Communications
Fort Wayne, IN

Inter-Coastal
Electronics, Inc.
Mesa, AZ

Logis-Tech, Inc.
Alexandria, VA

Teledyne Brown Eng.
Huntsville, AL

Stanley Manufacturing
Redding, CA

Quality Aviation
Services, Inc.

McMinnville, OR
Turbine Tool Corp.
Austin, TX

AAAA

Aviation Soldiers of the Month

A Chapter Program to
Recognize Outstanding
Aviation Soldiers on a
Monthly Basis.

SPC Brian K. Dyer
(February 1997)

Savannah Chapter

SPC Thomas A. Webster
(March 1997)

Narragansett Bay Chapter

AAAA

Aviation Soldiers of the Quarter

A Chapter Program to
Recognize Outstanding
Aviation Soldiers on a
Quarterly Basis.

SPC Cody L. McFarland
(2nd Quarter 1997)

Aviation Center Chapter

AAAA

Aviation NCOs of the Quarter

A Chapter Program to
Recognize Outstanding
Aviation NCOs on a
Quarterly Basis.

SGT Ramin H. Panahi
(2nd Quarter 1997)

Aviation Center Chapter

In Memoriam

Mr. Robert H. Johnson
LTC John B. Resse, Ret.

Aces

The Following Persons
have been declared Aces in
recognition of their signing
up five new members each.

CPT Daniel L. Clark
Ms. Donna Griffis



Above: Ronald V. Kurowsky (left), Monmouth Chapter President, and William R. Harris, Jr. (right), Acting Executive Director of AAAA, present Ms. Catherine C. Roache (center), Monmouth Chapter Vice President Membership with Bronze Order of St. Michael Award during the Monmouth Chapter's February Executive Committee Meeting.

Below: Mr. Joseph G. Ruggiero (left), Monmouth Chapter Vice President of Scholarships, presents a \$5,000 check to AAAA Acting Executive Director Bill Harris during the Monmouth Chapter's Executive Meeting. The check is to initiate the perpetual scholarship of \$1,000, to be named the Apblett/Gobel Memorial Scholarship. The scholarship is named in honor of two National Guardsmen who lost their lives training at Ft. Drum. CPT William R. Apblett III and CWO Robert Gobel were Vietnam veterans and active ARNG members at the time of their deaths.



TRAINING NIGHT STALKER

(Continued from Page 17)

Along with MOS skills, military education is a high priority. Nearly every deployable soldier in the Regiment attends the Survival, Escape, Resistance, and Evasion course (SERE) conducted at Fort Bragg, NC. Also high on the priority list is the Naval Dunker Qualification Course held at Jacksonville Naval Air Station. This is a must since we frequently operate over water and off naval platforms. Attendance at Air Assault and Airborne School is highly encouraged and in many cases, mandatory. Soldiers attend other military courses based on mission needs and course availability.

The Night Stalker soldier is committed, dedicated, well trained and proud to represent Army Aviation around the world. Our branch should be proud of the young soldiers they provide for this organization. They are our future and will continue to be force multipliers for the Army and Joint team. The 160th owes a debt of thanks to the Aviation Center, Assignments Branch, The United States Army Aviation Logistics School and units worldwide for the assistance and soldiers you provide us. We stand ready to accomplish any mission and prove to friend and foe alike that "Night Stalkers Don't Quit".

★ ★

CSM Clifton P. O'Brien is the Regimental Command Sergeant Major, 160th Special Operations Aviation Regiment (Airborne), Fort Campbell, KY.

SOAR(A) MODERNIZATION

(Continued from Page 17)

(Littlebird or variant) flight simulator, a mission observation area, and an interactive

wargaming capability. Networking of these training devices support collaborative mission planning and execution with other SOF and Army commands.

MISSION ENHANCED LITTLE-BIRD (MELB). The MELB program upgrades the A/MH-6 fleet with a six bladed main rotor, canted four bladed tail rotor, 600 SHP main transmission drive system, improved engine inlet, and structural modifications which enable a gross weight increase from 3950 to 4700 lbs. Mission equipment programs include: lightweight planks, external conformal fuel tanks, miniaturization, strap-on/off technology, lightweight Hellfire system and an integrated weapon management system. The lightweight plank provides a universal mounting platform for weapons, external conformal fuel tanks and external personnel systems. The reduced weight and flexibility that miniaturization, strap-on/off technology and a weapon management system provide, ensures the MELB aircraft will be a true multi-role, multi-purpose aircraft that will take us into 2010.

Our goals for technology application focus on our primary mission; providing aviation support with surgical precision to the ground force regardless of threat or environmental condition - on time and on target. We will continue to leverage technology to reduce risks to crew and passengers. However, we will never forget that the key to mission success has always been and will continue to be our people, not our hardware. Night Stalkers Don't Quit!

★ ★

LTC Wesley Walters is an Acquisition Officer assigned to Task Force 160 SOAR (A) as the Systems Integration Management Officer.

AAAA CALENDAR

A Listing of Upcoming
National and Chapter Events.

July 1997

☛ **July 18.** AAAA Scholarship Board of Governors Executive Committee Meeting, National Guard Readiness Center, Arlington, VA.

☛ **July 19.** AAAA National Scholarship Selection Committee Meeting to select 1997 National Scholarship recipients, National Guard Readiness Center, Arlington, VA.

September 1997

☛ **Sep 2-4.** AAAA Army Aviation Simulation Symposium, Crystal Gateway Marriott, Arlington, VA.

October 1997

☛ **Oct 13.** AAAA National Executive Board Meeting, Sheraton Washington Hotel, Washington, DC.

☛ **Oct 13.** AAAA Scholarship Foundation Executive Committee Meeting, Sheraton Washington Hotel, Washington, DC.

January 1998

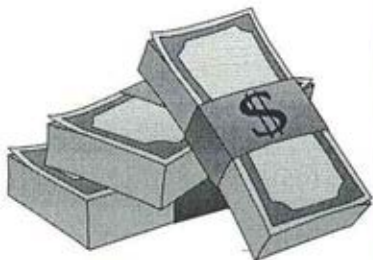
☛ **Jan 30.** AAAA Scholarship Board of Governors Executive Committee Meeting, National Guard Readiness Center, Arlington, VA.

☛ **Jan 31.** AAAA National Awards Selection Committee Meeting, National Guard Readiness Center, Arlington, VA.

April 1998

☛ **Apr 1-5.** AAAA Annual Convention, Charlotte Convention Center, Charlotte, NC.

CFC•CFC•CFC•CFC•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 WEB SITE

CHECK IT OUT!!!

<http://www.quad-a.org>




For The First Time, You're Covered. Even In Combat.

Now it's available: AAAA Loss of Flight Pay Insurance—and it pays even if you're grounded as a result of combat injuries. In other words, now you're covered if you're an active flight crew member (pilot, co-pilot, crew chief, flight surgeon, physician's assistant) in the U.S. Army, Army Reserve or National Guard. This brand-new program is available exclusively through AAAA, and your premiums are paid through payroll allotment. The plan offers monthly disability pay, and lump-sum payment of \$25,000 or \$50,000, tax-free. And monthly premiums are very low. Just think what that means if

you're grounded: cash flow to keep you going while you're temporarily off flight status; or, if you're permanently grounded, enough to help you pay off those big financial commitments. Sign up now. Coverage for existing AAAA members is available for a limited time. For information and an enrollment kit, contact: Harvey Watt & Co., P.O. Box 20787, Atlanta, Georgia 30320. Phone: 1-800-241-6103. Fax: 404-761-8326. Internet: www.harveywatt.com



Harvey Watt & Co.



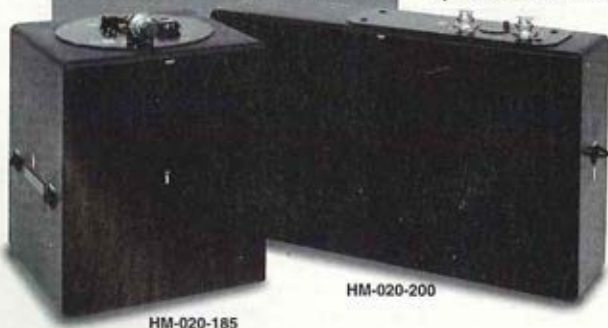
FREEDOM OF CHOICE FOR THE BLACK HAWK

Robertson Aviation's **GUARDIAN®** Interchangeable Auxiliary Fuel Systems provide the Black Hawk range extension choices.

The two-tank HM-020-185 system increases range approximately 100% or the single tank HM-020-200 system increases range approximately 50% while occupying minimal cargo floor space. After installation of fixed hardware, the two systems are **INTER-CHANGABLE**, and can be single-point pressure refueled with the main tanks to provide true mission flexibility. Installation or removal is easily accomplished by a crew of two in about 10 minutes per tank -- *without the use of tools*. The crashworthy, self-sealing **GUARDIAN®** auxiliary fuel systems are not only combat proven but have been tested and qualified to the most stringent military standards:

*Gunfire - .50 caliber and 20mm
Slosh and Vibration - 25+ hrs.
Drop tested - 65 ft.*

For more information call (602) 967-5185, fax (602) 968-3019, e-mail robertsonaviation@worldnet.att.net, or write P.O. Box 968, Tempe, AZ 85280.



HM-020-185

HM-020-200

ROBERTSON
AVIATION
Range Extension Fuel Systems