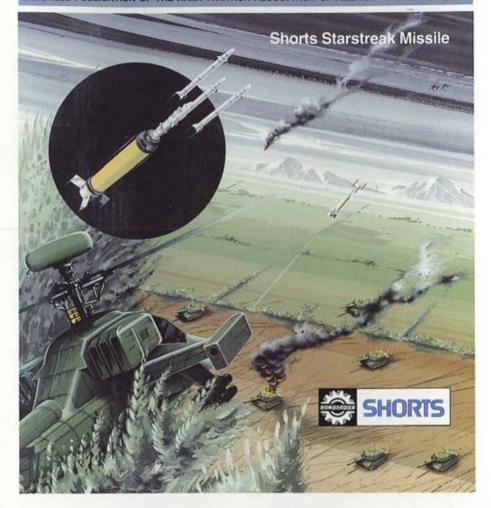
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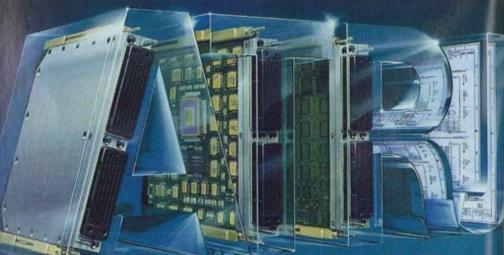
SPECIAL FOCUS: AVIATION ELECTRONIC COMBAT

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FRONT COVER

Paid advertisement: Short Brothers (USA), Inc. Shorts' Starstreak Missile, the newest weapon system developed and procured for the British Army, is a hypervelocity (near Mach 4), lightweight, beam-riding, air defense system that is currently being evaluated as an air-to-air weapon on the Apache.



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FORTHCOMING ISSUES

November 1993 — Hardware Updates from ATCOM and PEO Aviation

December 1993 - ARMY AVIATION Magazine's 40th Anniversary Issue.

Briefings

Three soldiers were killed when their UH-60A Black Hawk was downed by a rocket-propelled grenade in Somalia on 25 September 1993. They were identified as SGT Eugene Williams, 26, 9th Battalion, 101st Aviation Regiment, Ft. Campbell, KY; PFC Matthew K. Anderson, 21, of the same unit; and SGT Ferdinan C. Richardson, 27, an intelligence analyst with the 10th Aviation Brigade, 10th Mountain Division, Ft. Drum, NY. Surviving the crash were CW2 Perry W. Alliman, 32, 9th Battalion, 101st Aviation Regiment, and CW2 Granville Dale Shrader, 29, 5th Battalion, 101st Aviation Regiment. In related action, four other Fort Drum soldiers were wounded by Somali weapons fire during efforts to reach the downed aircraft.

Officials at Ft. Rucker, AL awarded an aircraft maintenance services contract to **DynCorp**, of Reston, VA. DynCorp's proposal was chosen from eight offers received as providing the best value to the Army. The cost plus multiple incentive contract is awarded at an estimated \$78,572,578 for a one year period beginning 1 October 1993, with provisions for up to four annual extensions at the Army's option.

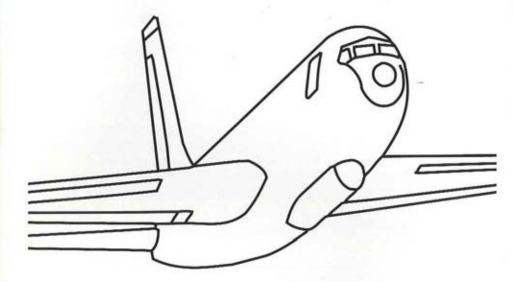
COL David J. Fowler assumed command of the Army's Corpus Christi Army Depot (CCAD) on 24 August 1993. A Senior Army Aviator, Fowler's previous assignments included Production Engineer, Anniston Army Deport, AL; Maintenance Platoon Leader, Ft. Lewis, WA; Company Commander, Ft. Bragg, NC; Logistics Staff Officer, Ft. Leavenworth, KS; and Logistics Analyst, Concept Analysis Agency, Ft. Belvoir, VA. He succeeds COL Thomas E. Johnson, who now holds the position of Assistant Commandant, U.S. Army Aviation Logistics School (USAALS), Ft. Eustis, VA.

CPT Ed Gutierrez, A Company, 1st Battalion, 145th Aviation Regiment, Ft. Rucker, AL won a gold medal as part of the Army team competing in the Armed Forces Skeet Shooting Championships held in San Antonio, TX. Gutierrez was sponsored by the AAAA Army Aviation Center Chapter and the Association of the U.S. Army for his trip.

Errata: A typographical error in the July issue of ARMY AVIATION Magazine in the article "Army Welcomes the TH-67A to the Training Base" resulted in reporting an inaccurate life cycle. The actual planned life cycle of the TH-67A is 20 years.

McDonnell Douglas Aerospace publically rolled out and flew the first AH-64D Longbow Apache equipped with a functional Longbow Fire Control Radar (FCR). The Longbow FCR, developed by a joint venture of Martin Marietta and Westinghouse, gives the modernized Apache unprecedented battlefield capabilities.

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FORSCOM AVIATION: A PART OF OUR TOTAL ARMY READINESS

Today's world is a rapidly changing and a highly unpredictable one. The one constant we can count on is that there will be more changes in the near future. While we have witnessed many fundamental changes and a resurgence towards democratic

reforms, many countries tasting democracy for the first time are undergoing severe "growing pains", thus making the world a very dangerous place in which to live.

Other pressures affecting world stability include ethnic and religious tension, competition for the world's scarce natural resources, as well as multi-national economic insecurity. With concerns of greater lethality, global technology proliferation, and Third World instabilities, the United States is reevaluating its role in this

How Forces
Command fits
into the
present and
future
schemes of
Army
readiness.

uncertain global environment as the world's sole remaining military superpower.

With the superpower status comes certain global responsibilities and the need to take a leading role in helping share the new international security environment.

Consequently, the U.S. Army must continually reevaluate what its role in the National Military Strategies must be and how we can best utilize our existing resources to accomplish these explicitly and implicitly assigned missions.

Forces Command (FORSCOM) is the Army's largest major command and supervises the training of nearly one million Active Component (AC), Army National Guard (ARNG) and Army Reserve (USAR) soldiers to provide an effective strategic force Battle proven under extreme conditions. The ALQ-162 Continuous Wave Radar Jammer helped protect the MH-53, AV-8, CF-18 and EH-60 Quick-Fix. ALQ-162. Compatible with other electronic equipment or Stand-Alone. Flexible to meet a constantly changing threat environment. Lightweight. Reliable. Affordable. Can be programmed to fit a variety of applications. Available now. ALQ-162: The Art of Self-Defense.

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capable of responding rapidly to support our national security objectives when called upon. In its "joint-force" role, FORSCOM functions as the Army component of the U.S. Atlantic Command, which is responsible for command and control of all assigned ground forces in the Atlantic/Caribbean area.

Some of FORSCOM's explicit responsibilities include providing combat-ready ground forces to reinforce U.S. forward-deployed forces; executing no-notice contingency missions throughout the world; planning for, and executing if reguired, the combined land defenses of the continental United States and Canada (including military support of civil authorities and protection of key assets); as well as providing the Department of Defense with assets to support federal, state and local law enforcement in the fight against illegal drugs, and in response to natural disasters.

In this light, it is evident that FORSCOM owns a large share of that strategic responsibility that was discussed earlier, and will continue to play a critical role in fulfilling those global obligations and responsibilities. It is also quite apparent that Army Aviation will continue to be a major contributor to the flexibility and versatility that we inherently require to accomplish all our missions. As previously stated, FORSCOM is a "Total

Force", comprised of Active, Army National Guard and U.S. Army Reserves; each one an integral component with its own critical portion of FORSCOM's roles and missions, FORSCOM presently owns 80% of the Army's total combat power and almost all of its combat service support. Much of this combat power and support structure is in our reserve components (USAR and ARNG). We are one Army with one standard, and thus, we must work together and leverage the strengths of each component to provide the greatest military payoff for each dollar of resource that we're allocated.

Over the last few years, FORS-COM has been involved in numerous operations of all types throughout the world. Each was undertaken in response to a different set of circumstances, in different regions, and with varied objectives. However, they all had one aspect in common: they were successful and they demonstrated the inherent quality and versatility of the force. Army Aviation is an integral part of that quality and versatility. As we look to the future and change our military strategy to adapt to this new world, it is very evident that FORSCOM and its aviation will continue to be employed in support of national interests and objectives, in peace and in war, across a broader continuum



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To get further information about the Joint STARS Ground Station Module: call 1-800-235-9590. of the operational spectrum of conflict.

In order to get a better feel of where we have to go during this period of enormous transition, it is important that we review the past so that we may envision where we need to be in the future.

In examining our recent history, we find that FORSCOM, to include its aviation units, have been warfighters in the jungles of Panama and on the sands of Southwest Asia: have extended the humanitarian hand of assistance in Somalia; have provided peacekeeping support in the Sinai; have assisted local authorities during civil unrest in Los Angeles, as well as carried out mammoth relief operations in the aftermath of Hurricanes Hugo and Andrew. Most recently, ARNG units have provided responsive and unmatched disaster relief to the devastated communities located on the flooded plains in the heartland of America. Quite an impressive array of accomplishments in just a few short years.

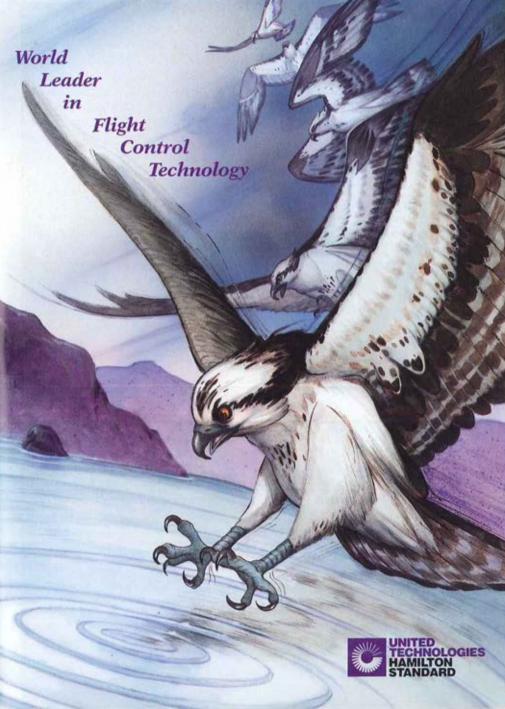
However, we must never forget and continually focus on the fact that the Army's primary mission is to fight and win our nation's wars. Thus, the dichotomy; we in FORSCOM find ourselves more and more frequently operating around the world in an environment that does not involve combat

operations against enemy military forces per se. FORSCOM's involvement in flood, hurricane and earthquake relief, fire fighting and other operations related to natural disasters, expands each year and it's hard to see any reduction in our efforts in this arena in the future.

When appropriate governmental authority directs the armed forces to assist in domestic or international emergencies, the Army usually inherits that primary responsibility, and FORSCOM aviation units are more often than not the 'backbone' of that relief effort.

Previous disaster relief operations have included refugee assistance, food programs, medical treatment and care, restoration of law and order, and damage control. Aviation has provided a wide range of logistical support from moving supplies to remote areas, extracting/evacuating victims, assisting in the establishment of emergency communications, as well as providing aeromedical evacuation services in support of medical operations.

Aviation's unique ability to deploy rapidly and its demonstrated capability to operate effectively in austere environments, make it ideally suited for all these missions. In addition, such missions as drug interdiction, which FORSCOM aviation units have been actively involved in for some



time appears to expand with each

significant effort.

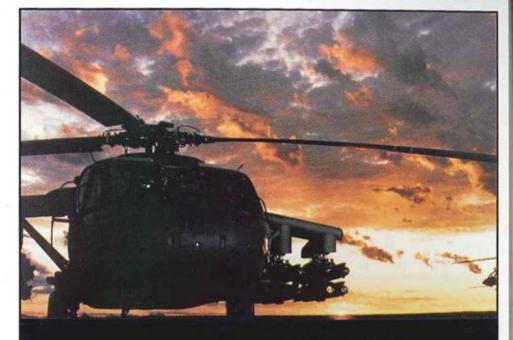
Keeping in mind that we are a total force, our reserve component (RC) involvement at the conflict end of the operational spectrum, i.e., during Operation DESERT SHIELD and STORM, was vital to the success of that operation. When the authority to call to active duty selected reserve units to support DESERT SHIELD was issued. FORSCOM used 39 mobilization stations and nine mobilization sites to call up over 1,000 RC units. Effectively integrating with the AC were approximately 60,000 soldiers representing nearly 400 ARNG units and some 66,000 soldiers representing over 600 units from the USAR.

Among these FORSCOM units who deployed to Southwest Asia (SWA) were thousands of aviators and aircraft maintenance personnel. These soldiers and units filled key wartime positions which greatly enhanced the existing capabilities of America's Army, as well as performed many unique missions which proved crucial to the overall success of the entire operation.

RC air crews deployed and fought with every type of aviation unit to include MEDEVAC units, cavalry squadrons, maintenance companies, attack and lift battalions, as well as special operations units. All in all, the RC deployed over 200 aircraft and flew in excess of 12,000 hours in support of Operations DESERT SHIELD and DESERT STORM. The success of the Total Army in SWA provided a solid foundation for the planning and training strategy currently being implemented to ensure the continued trained and ready status of the America's Army in the future.

With the reshaping of the total force, in order to meet the demands placed on the military by the new National Military Strategy of "power projection" versus "containment", we must rely more and more on fighting as a joint-service force. We can not simply be a smaller version of the old Cold War Army; but we must be reshaped as a totally different, albeit smaller, trained and ready total force. FORSCOM aviation units are meeting this new strategic requirement and will continue to be a versatile force in our ability to fight in a variety of situations and environments. We will maintain our strategic deployability in keeping with the concept of a power projection Army; and we will retain the capability to expand the force to meet the requirements of any operation as the situation dictates.

Army Aviation is an integral, as well as cost-effective and versatile part of this equation. With a smaller, increasingly CONUS-based force, maintaining units at a fully



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trained and ready status, is the only certain way to ensure that they are ready to respond when the nation calls. Our effort in Somalia is a perfect example of the multi-roles of FORSCOM and our ability to tailor aviation packages to meet operational requirements.

For Operation RESTORE HOPE, we built an aviation package capable of providing lift and MEDEVAC, as well as force protection. Over 40 aircraft were deployed in December 1992, and have flown in excess of 10,000 hours, providing a multitude of humanitarian and peacekeeping assistance.

These aforementioned operations speak highly of the dedication, responsiveness, deployability and versatility of Army Aviation, as well as FORSCOM and the Army in general.

 $\mathbf{A}_{ ext{s}}$ we reshape the Army into a smaller, contingency-oriented, power-projection force of the future, we must continually keep pace with our ever-increasing worldwide missions. To get the maximum out of limited resources, we become increasingly reliant on the enhanced capabilities of more versatile and lethal equipment. As a downsized force, to accomplish our mission we must maintain technological superiority in our equipment and our training; yet we must also remain affordable, i.e., stay within our budget constraints. In order to achieve

this objective, our modernization program becomes more critical than ever, especially in the aviation field. Modernization must maintain a steady pace and it must improve the readiness of the entire force (AC, ARNG and USAR).

 ${
m I}_{
m n}$ Operation DESERT STORM, we saw the fruits of our most recent 20 year modernization program. The price of these programs more than paid for themselves in the rapidity with which we concluded this war and most importantly, in the minimization of friendly casualties. Consider for a moment, what DESERT STORM might have been like if we had not been committed to a continuous modernization program and had not fielded technologically advanced weapons systems such as the Abrams tank and the Bradley fighting vehicle, not to mention the Apache, Black Hawk and the OH-58D Kiowa Warrior. We must continue to develop technologies that keep pace with the lethality of the modern battlefield, and then ultimately, bring these programs to maturation in a timely, yet costeffective manner, in order to modernize our total force and maintain our current capability to overmatch our enemies.

Army Aviation has undergone and is continuing to undergo a tremendous modernization effort. The senior leadership of the Army is on record stating that the RAH-66

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Comanche helicopter is the Army's most vital modernization program. FORSCOM is fully involved in the Army's Aviation Restructure Initiative (ARI) program which will assist us in reducing the number of aging and high-support airframes we currently have by replacing them with fewer, higher quality aviation systems. Although aviation is a significant contributor to our warfighting effort by itself, efficiencies must still be adopted which will allow aviation to remain an affordable member of the joint and combined arms team. We must remain focused on how we can integrate all combined arms into the fight through a fully synchronized and coordinated command and control effort.

Some ARI initiatives that are currently planned to help us accomplish that objective include increasing our existing aviation manning structure by slotting two pilots against each helicopter seat, which will give us an improved capability to conduct 24 hour operations on an extended basis. Another initiative is to not slot aviation-rated staff officers against helicopter seats, thus improving our staff manning and coordination at the fighting echelons without degrading unit flying capability.

Other ARI initiatives pending include increasing the number of maintainers-to-aircraft ratio from 3.7:1 to 5.8:1, which will mean a definitive increase in the armament, avionics and mechanic personnel, as well as the authorization of two door-gunners per Black Hawk.

Finally, with regard to increasing command and control within our aviation structure, ARI calls for the replacement of all C² UH-1s with command and control UH-60s; a significant breakthrough since compatibility of our communications systems will be achieved across the Army, as well as among our sister services.

ARI is also involved with reshaping the aviation structure to align itself more readily with the new power projection structure for the total force. The redesign initiative investigated putting an aviation brigade at each level of command, i.e., division through theater, in order to quantify and optimize the aviation contribution to the battle. ARI standardizes the organizational design of our combat assets throughout the force (Figure 1).

Keep in mind, Army Aviation under ARI isn't some "way-off-inthe-distance" proposal; it is just around the corner. The AC is currently scheduled to start its conversion in FY 95 and is scheduled to be completed by FY 98, while the RC will begin in FY96 and should be completed by the end of FY 2000. Just as critical as this restructuring of the active force is our review and



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Redesigned Aviation Units (Heavy/Light Divisions)

Current Atk Bn (Hvy Div/Lt Div)	ARI Atk Bn (Hvy Div/Lt Div)	Objective Atk Bn (Hvy Div/Lt Div) 15 AH-64s Atk/0 AH-64s 9 RAH-66s Sct/24 RAH-66s		
18 AH-64s/21 AH-1s 13 OH-58s/13 OH-58s 3 UH-60s/3 UH-60s	15 AH-64s Atk/24 OH-58D 9 AH-64s Sct/0 AH-64s			
Current Cav Sqdn (Hvy Div/Lt Div)	ARI Cav Sqdn (Hvy Div/Lt Div)	Objective Cav Sqdn (Hvy Div/Lt Div)		
8 AH-1s/8 AH-1s 12 OH-58s/12 OH-58s 1 UH-60/1 UH-60	16 OH-58Ds/16 OH-58Ds (OH-58D = Klowa Warrior)	24 RAH-66s/24 RAH-66s (TARP)/		
Current GSAB/CAB (Hvy Div/Lt Div)	ARI GSAB/CAB (Hvy Div/Lt Div)	Objective GSAB/CAB (Hvy Div/Lt Div)		
15 UH-60s/30 UH-60s 6 UH-1s/0 UH-1s 6 OH-58s/6 OH-58s 3 EH-60s/3 EH-60s	24 UH-60s/38 UH-60s 6 OH-58s/0 OH-58s 3 EH-60s/3 EH-60s	24 UH-60s/38 UH-60s 6 RAH-66s TARP/0 RAH-66 3 EH-60s/3 EH-60s		

Figure 1

restructure of the AC/RC mix for the future.

The total aviation force (both AC and RC) mix under ARI will have the AC keeping slightly over 52% of the aviation force (down from the 54% it currently has), while the RC increases its share of the aviation structure from its current 46% to just below 48%. The actual current structure is 31,000 AC (54%); 21,141 ARNG (37%); and 5,000 USAR (9%). Under the ARI structure, those numbers will change to 27,300 AC (52.3%); 19,876 ARNG (38.1%); 5,031 USAR (9.6%).

Additionally, ARI will restructure the actual number of aviation organizations (see Figure 2).

As we continue to reshape and be-

come a smaller Army, it is imperative that our total force components become more and more integrated. ARNG and USAR units are now and must be continually incorporated with the AC into the total force mobilization flow for all types of conflict across the entire operational spectrum of conflict. As the active force is reduced in size, our RC forces will be deployed more often and in far greater numbers in response to a variety of missions at home and abroad.

Unfortunately, we are "resourceconstrained" from structuring "mission-specific" AC or RC units. Instead, we must structure and train our Active and Reserve Components to be able to respond to any and all

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Army Aviation Organizations

	Current Structure			ARI Structure				
	AC	ARNG	USAR	TOTAL	AC	ARNG	USAR	TOTAL
BDE	18	11	1	30	16	9	1	26
GRP	3	8	7	18	3	5	2	10
BN	62	46	10	118	52	35	12	99
RAS	3	2	0	5	2	1	0	3

Figure 2

missions upon demand. It is extremely difficult to maintain this "combat-ready" edge for all situations in our RC. However, we can increase our efforts to improve our total force readiness in order to compensate for this initial lag in our combat power differential.

FORSCOM is committed to this task as we seek ways to upgrade the Total Army readiness posture. In order to accomplish this goal efficiently and effectively, we have initiated several programs to ensure that we can make immediate gains in the overall readiness of our RC units.

Our cornerstone program to improve the readiness of the Total Army is called the "Bold Shift" program. Its objective is to train all components of the force to one standard. It lays out pre- and post-mobilization training goals and ensures that only one measurement standard is applied across the force. Basically, "Bold Shift" is aimed at enhancing total force readiness by ensuring that each warfighting component of the total force is trained to standard, structured correctly and resourced adequately.

One of its initiatives currently underway is the Operational Readiness Evaluation (ORE), which is an external evaluation used to determine a unit's pre-mobilization readiness and its capability to perform its wartime missions, as they are measured against their applicable "One Army" standard. So far over 400 evaluations have been completed, to include all the Contingency Force Pool (CFP) "roundout" units as well as over 80 AC units

Another part of this readiness program is the Training Assessment Model (TAM), which is consistent with the doctrine of FM 25-100 and provides RC commanders another tool to assess their readiness by their ability to perform their METL tasks. A third portion of this program includes the standardization of our reporting system under the Unit Status Report (USR). FORSCOM Supplement to AR 220-1 is due out in FY 94 and will set and enforce the reporting standards for all members of the Total Army Force.

One of the most visible FORSCOM standardization aviation initiatives is the Aviation Resource Management Survey (ARMS) program. FORS-COM Pamphlet 95-3, The Aviation Resource Management Survey Commander's Guide, was developed as the initial step in ARMS standardization. The Commander's guide covers the 12 functional areas evaluated by the FORSCOM survey team. Standardization procedures provide unity of effort and a clearly defined process to develop highly skilled, mission-ready crews and units. It is our strong belief that safe and successful aviation operations are rooted in a sound standardized training program.

The ARMS checks the pulse of our aviation community by being the mechanism through which we evaluate aviation unit programs; provide focus for our aviation unit effort: and provide MACOM-level staff assistance, as well as ensure that the correct level of standardization for aviation training, logistics and safety are maintained. Over FY 92 and 93, the team (which consists of RC, as well as AC evaluators) evaluated almost every FORSCOM aviation unit in CONUS (both AC and RC), including those in the MFO as well as Honduras. (NOTE: The 10th Mountain Division's aviation units in Somalia were exempted.) BOLD SHIFT and the ARMS programs are just two of the initiatives that

FORSCOM is spearheading in order to ensure that the Total Army Force remains trained and ready.

Battlefield commanders will face increasingly sophisticated high-tech forces and weaponry in the next decade. They must be able to respond when called upon, and to deploy and fight anytime, anywhere, in any weather, and win! Army Aviation will be a decisive factor in the commander's ability to dominate enemy forces on any battlefield for years to come. The performance of the AH-64A Apache in the Gulf War is still drawing praise. The Apache is just one of the programs that clearly demonstrated that high-technology weaponry, coupled with aggressive and realistic training, performed by well-schooled and well-led soldiers, is essential for total combat effectiveness.

The future for the Apache is even brighter. Presently the Apache is undergoing a modernization upgrade from A model to the C and D (Longbow) models. The Longbow will significantly enhance the Apache's already proven combat effectiveness by increasing its allweather targeting through the use of a new fire control radar that will automatically detect, classify and prioritize multiple airborne or ground targets. Additionally, the Longbow program will incorporate the use of Hellfire "fire and forget" missiles to rapidly engage targets,

allowing the minimum aircraft exposure time.

Finally, the Longbow communications system will enable pilots to communicate and transfer information instantaneously between all the services' ground and airborne platforms. These upgrades will dramatically change the way we fight our aviation systems as an integral part of the combined arms team.

The modernization of the total force is not just being accomplished incrementally as with the upgrade of the existing Apache. We are also bringing to fruition the next quantum leap of technological advancement in aviation systems with the on-going development of the RAH-66 Comanche. As we move into the 21st century, this helicopter will become the flagship of Army Aviation. The benefits we will reap will be enormous.

The Comanche will be able to perform multiple missions such as armed reconnaissance, attack and air-to-air combat. In other words, it will be able to fulfill most aviation roles in our future AirLand Battle doctrine. Its enhanced capabilities include an improved target detection system, able to pick up targets at a 45% greater range and within 95% less time than its predecessors.

It also will boast an improved communications system that will integrate communications, navigation and aircraft identification, which will greatly increase our ability to coordinate operations with other aircraft and other units. The Comanche will be the essence of Army Aviation in the future with its advanced airframe, improved versatility, and most of all, its base affordability; (i.e., its life-cycle costs will be up to 40% lower than the aircraft it will replace).

It has become readily apparent that automation and technology are the keys to our future battlefield successes. Traditional methods will no longer meet the demands of the force due to the rapidly changing world situation, the complexity of modern weapons systems, and the shortage of adequate training ranges, not to mention safety concerns and environmental limitations in training.

 $\mathbf{E}_{ ext{nhancement}}$ of realistic training through mobile trainers, mission rehearsal equipment and virtual reality simulation, will reduce the disproportional production and training costs that have been traditionally associated with aviation. These redistributed dollars are sorely needed for a smaller, albeit technologically advanced, aviation force of the future. Critical to this development of the force is the continued use of simulations to assist in the training of commanders and leaders in the operational art of tactics and weapon engagement techniques, especially in aviation.

The bottom line concerning modernization and Army Aviation is that we're right on schedule with our most crucial programs, the Longbow and Comanche. These aviation programs will increase the combat power of the combined arms team tremendously. Additionally, they play an integral part of the future "digitized battlefield" by using the new Aviation Improved Data Modem (AIDM) to pass target data instantaneously throughout the battlefield. This digitization of the battlefield will assist the combined arms team in reducing fratricide; it will shorten maneuver and planning time; it will improve target handovers; and most importantly of all, it will facilitate the passing of "real-time" tactical information among all the battlefield operating systems.

To be effective, a smaller highlytrained and well-led force must still rely on its technological superiority in order to win on the modern battlefield. The Army's modernization program, especially in the aviation field, is on track to maintain our force's technological edge as the premier ground combat force in the world today.

As indicated earlier, the ever increasing number and types of security dangers that exist throughout the world, demand that our new force structure not simply be a smaller version of our earlier Cold War force. We must and will train to fight in a variety of situations and environ-

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ments; we will be strategically deployable in keeping with the concept of a power projection Army; and we will have the capability to expand the force to meet the requirements of any operation the situation dictates.

Army Aviation is an integral part of the equation when trying to meet all these goals and missions with limited resources. We have recently proven in Panama, Kuwait, Somalia, as well as in Florida and the Midwest, aviation's contribution to the combined arms team and its versatility for any given situation. However, we cannot rest on these laurels. We must plan now for the future.

Currently, our Army is persistently working its way through a challenging era in its history. The future of our Army is now, and as soldiers in today's Army, we must remain focused on our vision — THE ARMY VISION — "A Total Force Trained and Ready to Fight ... Serving the Nation at Home and Abroad ... A Strategic Force Capable of Decisive Victory!" This is our dream, firmly planted in the realities of our current capabilities, yet at the same time stretching out with determined confidence to the future.

America's Army, consisting of active, reserves and civilians, continues to focus on providing trained, ready and versatile warfighting forces for decisive land combat; but it is also confident enough in their entrenched skills to also render other needed services to our Nation such as humanitarian assistance, disaster relief and peacekeeping.

 $m W_{ith}$ a smaller, increasingly CON-US-based force, maintaining our units at a fully trained and ready status is the only certain way we can ensure that we're ready to respond when the Nation calls It cannot be emphasized enough that this is a team effort. Each component of the Total Army Force is important to our readiness posture. Quality people, given technologically superior equipment, trained to the razor's edge, and well led by competent professionals, adds up to the best ground combat force in the world. FORSCOM, as the resource provider (people and equipment) for this global/contingency power projection force, is dedicated to ensuring that this vision becomes a reality.

I'm proud of all the men and women who are serving or have served as a part of our great team. We must and will continue to take care of our soldiers, for they are our most precious resource and serve as the backbone of the finest force projection Army in the World. They are fit; they are skilled; they are dedicated; they are brave. Forces Command really is "Freedom's Guardian!"



GEN Reimer is the Commander-in-Chief, U.S. Forces Command. Ft. McPherson, GA.



DIGITIZATION OF THE BATTLEFIELD: AVIATION APPLICATIONS

The tempo of modern combined arms warfare increases the difficulty of controlling Army combat, combat support, and combat service support elements at brigade level and below.

To ensure land force dominance at the tactical level requires

enhanced battle command, an improved ability to synchronize direct and indirect fires, better and faster access to front-line intelligence data, improved situational awareness (real time information on location/disposition of friendly and enemy forces) and force protection. Information exchange must be rapid, accurate, and efficiently routed to key decision makers. Commanders must be provided critical information in a timely manner when and where they need it.

Modern digital communication,

How Aviation
will fit
into the
digitized
battlefield
of the
not-so-distant
future.

sensors, computing systems, and their software operating systems provide a technological advantage to meet this challenge.

To achieve the optimum return on investment, the fielding of battlefield digitization technology must

be integrated horizontally (between battlefield operating systems) and vertically (between force levels) throughout the combined arms force.

Battlefield information systems and sensor suites must share common data to maximize overall force effectiveness. Data exchange and communications protocols must also be integrated with sister services and allies. A systems approach is essential to ensure the integration of battle command functions.

This approach can provide a syner-

gistic increase in operational effectiveness. It supports a common picture of the three dimensional battlefield, the ability to share battlefield information, and the ability to concentrate combat power while reducing the vulnerability of friendly forces.

 ${f I}_{
m n}$ the Post Cold War era, one of the greatest dangers to U.S. forces will be the proliferation of advanced technologies that could damage or disrupt currently fielded Command, Control, Communications, and Intelligence (C3I) systems. The need for horizontally integrated digitized combined arms battle command has become critical. The prevailing environment for change within the Army and current materiel fieldings provide a unique window of opportunity to horizontally and vertically integrate systems, maximizing their full value to the combined arms force. This horizontal technology insertion is the critical priority in the development of enhanced combined arms battle command capabilities at brigade level and below.

To bring this into the aviator userlevel perspective, consider the multitude of aviation missions affected by inadequate air-to-air and air-toground communications, outdated intelligence, navigation preoccupation, and fratricide. Similar scenarios have been played out in Southwest Asia and at our Combat Training Centers time and time again.

In accordance with the Army Chief of Staff's vision, the U.S. Army Aviation Center (USAAVNC) and Program Executive Office (PEO) Aviation have developed a strategy to digitize the battlefield.

Digitization of the battlefield focuses on our shortcomings and will revolutionize the way we fight. Digitization will provide two significantly improved capabilities to units in the future:

Situational Awareness — It is the real/near real time availability of information about friendly and enemy forces and the commander's intent in sufficient quantity to influence the battlefield. Units will have a common picture in the form of a graphic, tactical display tailored in content, size, area of coverage, map and overlay features to each echelon. The display will allow the user to designate his displayed battlespace needs.

Horizontal Integration of the Combined Arms — Linking the combined arms team with digital information at each echelon to enhance the warfighting capabilities of the force using standardized data elements, symbols, message formats, protocols, and databases.

The aviation strategy to digitize the battlefield revolves around the integration of six systems: Global Positioning System (GPS), High Frequency Nap-of-the-Earth Communications (HF NOE COMM), HAVE-QUICK II, Improved Data Modem (IDM), the Army Airborne Command and Control System (AACCS), and the Aviation Mission Planning System (AMPS).

• GPS: GPS will provide improved navigation capabilities. It is a satellite-based system that provides three dimensional worldwide positioning, velocity, and time data. GPS is the Army's objective navigation system and will be fully integrated with aircraft flight instruments.

. HF NOE COMM: This radio will permit uninterrupted NOE communications. This is an automatic link establishment HF radio that will be used for long distance communication paths such as from the aviation Tactical Operations Center (TOC) to the forward maneuver elements. This radio has a built-in modem for digital communications. This modem can adjust its speed to accommodate interference and path loss. Reliability of digital communications with this radio will be at least 90% day and night. The Army should start procuring this radio in 1996.

 HAVEQUICK II (HQII): This standard Army UHF radio will facilitate joint services communication. It frequency-hops to reduce its susceptibility to jamming and interference. This radio will be used extensively for digital target handover between Air Force Close Air Support (CAS) aircraft, Kiowa Warrior, Longbow, and Comanche. The HQII is in the field today.

- Improved Data Modem (IDM): This is a joint services computer. modem, display, and message set for the interchange of target and situation report information. This modem is hooked to four line-of-sight radios in the aircraft simultaneously -SATCOM, HAVEQUICK, SINC-GARS, and VHF-AM. This is the standard modem Army Aviation will use for field artillery calls for fire. Air Force close air support, and internal target interchange. The Army is testing IDM now. Message sets are still under development. The first fielding of IDM is scheduled for 1995.
- · Aviation Mission Planning System (AMPS): AMPS will enable rapid mission planning and execution. The aviation TOC is the "neck in the hour glass" unless it has automated digital means to collect information it receives and pass it on to fighting elements, plan aviation missions, and pass on information received from weapons platforms. The AMPS is the computer that will perform these functions. It will be located in each aviation company, battalion, and brigade. First fielding of the AMPS is in 1994 with Kiowa Warrior units.
- The Army Airborne Command and Control System (AACCS):
 AACCS, the command and control package which will be on board the (Digitization — cont. on page 82)

FEATURE

VIETNAM - THE SEED

Winner of the First Annual Essay Contest.
For more details, see page 95 of the AAAA Pages for other winners.

Two decades ago, the smoke began to float away from the skies over South Vietnam. The "helicopter war" was over. Thousands of U.S. Army Aviation pilots and maintainers crammed into commercial charters and C-141s and exited the smold-

ering country. At the same time, scores of Hueys — those that could not be shipped — were destroyed or pushed off vessels into the sea. Some soldiers rejoiced; some were mad.

I was one of the mad ones. I had returned to the States a few years earlier from duty with the 1st Air Cavalry Division in Vietnam's Central Highlands, where I rarely had a moment without the sound of whirring rotor blades somewhere within earshot. Watching those wonderful machines splash into the

Tracing the heritage of Army Aviation spirit and innovation from Vietnam to today.

sea — a sight repeatedly emblazoned across front pages and TV screens by an almost gleeful media — was like watching one's own house burn down. The symbolic implication that these machines could not "win" the war, and their humiliating

public demise really frosted me.

Today, many look at the Vietnam War as an experience best forgotten. No way, Jose. Vietnam will always stand as the springboard for Aviation's quantum leap into the big time as a first-string member of the Army's warfighting force. Those who flew the birds over there, and those who fixed the broken ones, set precedents and standards that will endure forever.

The dense, mountainous jungles of Vietnam provided the ultimate opportunity for the helicopter to strut its stuff as a warfighting machine, and it did just that. The force-wide employment of these sturdy, versatile flying craft in Southeast Asia represented a complete new dimension in the Army's war arsenal. Part of that new dimension was the introduction of Aviation soldiers — flyers and fixers alike — as a major segment of the total force, and they stood as tall as anyone on the battlefield.

The work of pre-Vietnam Army Aviation pioneersthe Henry Wanns, Bob Williams', Sam Sundbys, Jess Cozarts of the business — are carved in granite.

They carried Aviation from the World War II Grasshopper days

into the Vietnam conflict, and many continue to make contributions today. They handled all the major Army Aviation "firsts", taking a lot of chances and smoothing out a lot of bumps along the way. Those guys cultivated Army Aviation; Vietnam brought in the crop.

The story of helicopters in Vietnam is legend now. Assault and attack, troop movement, MEDEVAC, weapon system recovery, resupply, scout, recon — they did it all. War planners included some facet of helicopter involvement in virtually every Operational Plan put together during the war. The tactical advantages of a weapon system that could move straight up and down and zigzag across any type of terrain in a hurry were not lost on our battlefield leaders. Not so readily recognized, at least outside the Aviation family, was the value of the human element: the Aviation Soldier.

Those that went through it will

not forget the continual surges of flying six, eight, even ten hours a day, often through ground fire so profuse the sun glistening off the rounds made it look as if the helicopter had run into a blizzard; or sweltering in the

cockpit in 100° degree temperatures while bare-backed soldiers pumped gas into the belly of a battered, black-stained, running helicopter, or; with hardly any feeling left in the hands and feet, backhovering into a tight, bunkered parking space at day's end.

When a mission day finally came to a close, crewchiefs who had flown on the sorties toiled into the night to get the birds ready for the next day; and then, there they

"... the sun glistening off the rounds made it look as if the helicopter had run into a bizarre blizzard ..." were, untying the rotor blades and cleaning the windshields of their helicopters when the pilots emerged in the morning for another round of battle.

In my own little piece of that helicopter war, I had a good view of what the Aviation Soldier was made of. I remember the night the field maintenance company I was in took a bad mortar attack at base camp; high casualties, lots of helicopter and work area damage. and just about no sleep all night. By first light, every single able bodied person was on the flightline either putting work areas back together or crawling over the damaged helicopters like flies on honey. By the end of the next day, with the help of volunteer Aviation soldiers brought in from the Corpus Christi Bay floating maintenance ship, we were back to normal operations.

I remember the day half a dozen sweat-soaked Warrant Officer pilots, just returning to an LZ from a high-casualty combat assault mission, stormed into the mess tent, gulped their food down, and scrambled back out so they could get right back into the fight. It was Thanksgiving Day. Turkeys with all the trimmings had been specially flown out to the forward sites for the...holiday.

I remember the time I had to calm down a pilot and keep him

from decking me because I grounded his helicopter just prior to a combat assault mission. I was a "Walking Warrant" at the time (to the uninitiated, that's a Nonrated Aircraft Maintenance Technician) and had been attached to bird-dog the unit because "these pilots are nuts, they'll take off in anything." The helicopter in question had a crack in the rotor blade that I could see while standing on the ground; the blade probably wouldn't have survived another engine runup (anyone who served with the Cav can probably guess which Scout unit I was traveling with).

 ${f F}$ or a while, I headed up a team of six or seven field maintenance repairmen who moved around with combat assault units. We stashed our equipment in a "hot dog stand," a large, specially configured airmobile container with attachable wheels, and traveled around by Chinook. Still vivid in my mind is the picture of those Aviation soldiers, time after time, tediously rolling that container up into the back end of a Chinook that had just landed and was "keeping the motor running" because it was in a hurry. Anyone who has ever been directly behind a Chinook when its engines are running knows of the searing heat blast back there. Think of having to horse a huge, fully loaded container up into the bird in the full force of that blast, and you get

the picture. The soldiers never missed a beat.

Those same Aviation soldiers never missed a beat, no matter what the circumstances. Working in the blazing sun, often wearing gloves to prevent burning their hands on metal surfaces; bringing aircraft components inside the tents to fix during monsoon deluges; packing up and loading for the next move at a moment's notice; putting up and striking tents; filling sandbags - the work

never stopped. To this day, I go into a three-foot hover whenever I hear the timeworn "soldier first, mechanic second" cliche during peacetime discussions on training priority, suggesting that being a mechanic is some-

thing less than being a soldier.

Nor did the work ever stop for the crews who flew those aircraft after they were fixed. On many days, once those guys cranked up the helos in the morning, they stayed aboard for hours at a time. Strapped inside the cockpits, they never shut down, even for refueling, during long, grueling assaults, round robin troop/equipment transport, casualty evacuations -

whatever the tactical situation demanded.

The importance of Army Aviation achievements in Vietnam was not taken lightly by post-war analysts. The substance of our experiences did not disappear with those ill fated "left over helicopters" that were unceremoniously thrown into the sea. Rather, in the years to come, Vietnam experiences were to serve as the foundation for the development of an

> Aviation warfighting capability beyond the expectations of even the most optimistic planners.

Vietnam was in fact the seed for "new" many things going on in Army Aviation today. The current shift from linear to

nonlinear operations in warfighting doctrinal rewrites, for example, does not break new ground. Vietnam was nonlinear. Over there, helicopters winged out in all directions to fight the enemy; there were none of the "front lines" associated with linear fighting doctrine. If war planners (Aviation or otherwise) are looking to transition our way of thinking into nonlinear stuff, they might want to dust off the Vietnam archives.

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On the support side, a lot of today's "new" ideas are actually offshoots of the way we did things informally (certainly not illegally) as a matter of course or on a lesser scale in Vietnam. Take, for instance, the Battle Damage Assessment and Repair (BDAR) initiative, now an officially blessed "innovative" aircraft maintenance concept. The BDAR Program allows forward maintenance teams to make temporary emergency repairs in the field until the tactical situation allows the application of permanent fixes, which merely formalizes the way we routinely kept things moving in the jungles of Vietnam. The procedures just weren't documented.

Nor can the forces in the Persian Gulf chalk up a first for using contractors to help pull maintenance in a combat zone. Aviation units throughout Vietnam had cells of contractor technicians working alongside green suiters, and a magnificent bunch they were. Contract support wasn't brought in to the same extent as in the Gulf, but then again, our military repairmen authorizations in Vietnam were less constrained by manpower ceilings.

The intent here is not to suggest that Vietnam was the end-all to new ideas in Army Aviation. The intent is to credit the Vietnam experience with moving Army Aviation into a big, big spotlight; it gave us the original visibility and impetus needed to develop Army Aviation into the powerful force it is today. The millions of flying hours racked up over there while performing virtually every type of combat function imaginable represent the most intense, protracted use of organic aircraft in Army history. Not all, but many of the things we did to meet the needs of the moment continue to serve as the genesis for current Army Aviation development programs.

Certainly, our excursions into places like Grenada, Panama and Southwest Asia have furthered our education in the air power business, as have our combat development think tanks. Further, phenomenal jumps in technology since the Vietnam era, particularly in the fields of electronics and computerization, have contributed strongly to Army Aviation's growth. Helicopter development has embraced a concerted effort to keep up with the state-of-the-art in those disciplines so that firepower can now be dished out from the air in tremendous volume, with minimal exposure of American soldiers to the enemy. That is, cold equipment, rather than warm bodies, now presides over the forward action areas. This situation is a vast improvement over the Vietnam environment and has been a key

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AVIATION

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factor in the low number of friendly casualties in recent encounters with the bad guys — and Army Aviation has led the way.

Now, four people in a couple of Apaches can go out and decimate a complete battalion in a matter of minutes, even seconds. Pilots destroy targets without ever being seen by the enemy and can see their targets at night as well as in the daytime. Navigational aids allow pilots to keep tabs on their

battlefield position to the nearest centimeter. All of these things were clearly demonstrated in the most recent use of Army Aviation, Operation DESERT STORM, where buzzing helicopters consistently dominated televi-

sion footage of Army operations.

At a time of intense competition for budget dollars, the ground war in Iraq, shortlived as it was, did much to bolster the status of Army Aviation in the eyes of the top leadership, and in the eyes of the world. The worst salvos we took during that conflict were from our own media, who once again tried to discredit the performance of the Apache in combat. They have a

habit of doing that.

We previously got hammered with some bad press during Operation JUST CAUSE in Panama because our Aviation soldiers "used \$10 hair dryers to keep the humidity from grounding \$16 million helicopters." I've always thought we could have fielded that one better. To me, rather than letting the media get away with mocking the situation, we should have held it up as an example of

the ingenuity of the Army Aviation Soldier, which it was. Instead we said we'd fix the problem, in essence by developing a big, expensive piece of dehumidification equipment. As far as I'm concerned, we should have gone

out and bought a few thousand hair dryers.

The incident showed that, right along with the technological growth of our flying machines since Vietnam's Hueys and Cobras, the Army Aviation Soldier has grown. The demographics may be different. We now access females into the Aviation family, and the majority of soldiers are heads of families rather than BOQ or barracks commandos. Educa-

"... the ground war

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tion levels have shot up, and soldiers now know everything in the world about computers. All that notwithstanding, the inner stuff of the Aviation Soldier - male or female; officer, warrant officer, or enlisted; aviator, maintainer, or commander — remains the same. If there's no time to relax on Thanksgiving Day, they don't relax on Thanksgiving Day; if it takes a hair dryer to get the job done, they use a hair dryer to get the job done. That was the Aviation Soldier of Vietnam, and that is the Aviation Soldier of today.

One of the most gratifying rewards of being in Army Aviation is that, even though folks eventually scatter geographically and professionally over the years, the "family" remains intact and grows old together. I firmly believe the togetherness and esprit de corps of Aviation soldiers is more lasting than with any other group in the Army. Of course, all the Army branches make the same claim, but I haven't seen anything out there that equates to the roll up things that Aviation keeps alive, like AAAA membership, SPOOF (Society for the Preservation of Old Friendships) rosters, Aviation unit reunions, W4 conventions, ad infinitum. Go to any annual AAAA Convention and you'll rub elbows with people who came into Army Aviation in the 1940-50-60 preVietnam years, the 1960-70 Vietnam years, and the 1970-80-90 post Vietnam years.

The absolute high point of my year, every year, is watching some of the old dogs who have been inducted into AAAA's Hall of Fame at the same convention that the Aviator of the Year and the young Aviation Soldier of the Year are honored. The Hall of Famer may look a little thinner on top and thicker in the middle than the Soldier of the Year, with the Aviator of the Year falling somewhere in between, but I'll let you in on a secret: they're all the same person.



- About The Author -

CW4 Robert E. Howard, Ret., spent 21 years of active military service working exclusively in the Aviation field. He retired in early 1975 as a CW4 Aircraft Maintenance Technician to accept a management position with Bell Helicopter International in Iran. He later worked as an Aviation Logistics Management Specialist in the Combat Developments Directorate at the Aviation Logistics School, Fort Eustis, VA. In 1988 he secured his current position as the Directorate's Deputy Director.

CW4 Howard, Ret., holds a Bachelor's Degree in Professional Aeronautics from Embry-Riddle Aeronautical University and a Masters Degree in Business Administration from the Florida Institute of Technology. He presently resides in Gloucester Point, VA and is a member of the Colonial Chapter of Army Aviation Association of America, Fort Eustis, VA

THE TEN COMMANDMENTS OF LEADERSHIP

What does a Lieutenant need to know to be an effective leader?

I recently had the privilege of briefing the senior class at West Point on what a company commander expects in a new lieutenant.

I reflected back on my days as a platoon

leader and all the lessons I had learned the hard way. Furthermore, with over 35 months of company command time, I have had the great opportunity to work with and train eight Lieutenants of various backgrounds. This time also included some intense professional development from some superb field grade officers.

The term commandments came from one of my old battalion commanders. You could use rules, laws, policies, or even guidelines, but commandments always stayed with me.

An expanded version of a recent briefing to the senior class at the U.S. Military Academy. This is nothing brilliant, just one company commander's advice to some junior officers.

Commandment #1:
Technical and Tactical
Proficiency — know
your job, strive for excellence, strive to be
the best aviator in
your unit. Understand

maintenance; mission accomplishment depends on mission ready equipment. Know your logbooks by heart. Learning maintenance should be one of your top priorities. Read, study, and seek the knowledgeable people in the unit and ask questions. Remember, knowledge is power and usually is the difference between one or two block. Henry Knox said, "To act with confidence, you must first master your own profession."

Commandment #2: Loyalty and Support — If your commander fails, the company fails, and you will probably fail. The majority of company commanders are competent officers, otherwise they would not have been trusted with such an important responsibility. If for some reason things are not working out with your company commander, put your head down and try and make it work. Be a team player; it will be best for the company. I cannot emphasize how important it is to be a team player. Not me or I, but us and we. The quick definition for lovalty and support - don't complain, don't talk behind your commander's back, don't be part of the problem, be part of the solution. Advise your commander, don't challenge him.

Commandment #3: Pay Attention to Detail — Practice this and it will enable you to do the job right the first time. There are many shortcuts out there — don't take them. Shortcuts usually get people hurt. Start a leader's notebook, get organized from the start. Write things down and prioritize them. Proper attention to detail will save lives in combat and is part of the success formula for an effective maintenance program.

Commandment #4: Prepare Your Soldiers for Combat, Both Mentally and Physically — This revolves around the dynamic word "training". I don't want to get into detail about good and bad training. There are certainly enough Army manuals written on this subject. I will offer

this, take training seriously. It should be realistic and performance oriented. Take the time to personally check the training in your unit and make a realistic assessment. There is a lot of truth to the phrase "soldiers only do well what the leaders check".

I believe 70% of being successful in combat is the proper mental frame of mind. Keep your soldiers focused, motivated, and informed. The unit who wins is the unit who thinks they can. Combat can become a very quick reality. Neither myself or my gun platoon leader ever thought we'd be flying Apaches into Iraq at 0200 in the morning looking for bad guys. With the proper attitude and training, we were able to accomplish the mission. Some of you will see combat sooner than you think. Ensure you are mentally and physically prepared. You owe this to your soldiers.

Commandment #5: Take Care of Your Soldiers and They Will Take Care of You — When I arrived at Ft. Hood, TX as a new lieutenant, I asked my platoon sergeant for his words of wisdom, and he stated, "Take care of your soldiers and they will take care of you. It is a very basic concept, but a proven winner. The leaders who do this well are the leaders we will follow."

Listen to your NCOs and Warrants; they have all the experience. Exercise leadership through them, not around them. Don't try and be somebody you are not. The soldiers will know your limitations. Be fair. My definition of fairness is consistency. The right decision is usually the hard decision. Above all, have a sense of humor. I know this is easier said than done.

Commandment #6: Admit Mistakes, Evaluate, and Learn From Them — Nobody is successful or gets to the top of anything in life without making some mistakes along the way. The key is to learn from them and improve yourself. You are the new guy and you will make mistakes. Don't make unnecessary excuses. The phrase "no excuse, sir" is sometimes still appropriate. Try not to make the same mistake twice. In the end, this usually separates the good officers from the average ones.

Commandment #7: Be Professional at All Times — Twenty-four hours a day, your soldiers are looking at you for the proper example. You never get a second chance to make a first impression. Develop some situational awareness and think before you talk. Professionalism revolves around many attributes: appearance, attitude, integrity, loyalty, self-discipline, and moral courage, just to name a few. Strive to be the best in whatever you do and never ever quit.

Commandment #8: Put Your Soldiers in Positions to Succeed — Know your soldiers, study them, know their strengths and weaknesses. Only then can you effectively lead them. Never put them in a position you would not put yourself in. Your soldiers are your most precious asset. It is your job to ensure their success.

Commandment #9: Keep Your Commander Informed — Never assume he knows your plan or intent, or your whereabouts. Communicate clearly to your boss, and understand his intent on the important issues. Remember, many people talk a lot — few people actually communicate. Try the CAV principle: Coordinate, Anticipate, and Verify.

Commandment #10: Lead by Example in all Situations Possible —
It is number ten on the list, but probably the most important. Establish from the start you will do what your soldiers do, and lead them through it. The better the example, the better the leadership. When in charge, take charge. It is sad, but you will see many officers who can not or will not take charge.

The Army is going through many new changes and becoming extremely competitive at every level. Our younger leaders must get an edge on success early. Each commandment has an important role in developing the all-around leader. As the Nike commercial says, get out there and "just do it!"



CPT Gabram was the Commander, Headquarters and Headquarters Company, 1st Battalion, 101st Aviation Regiment, Ft. Campbell, KY at the time this article was written.



AVIATION ELECTRONIC COMBAT PROGRAM OVERVIEW

One year has passed since the Project Manager's Office, Aircraft Survivability Equipment (PMO ASE) and Project Manager, Avionics were combined to form the Aviation Electronic Combat (AEC) PMO.

The purpose of this combination was not only to reduce the number of PMs within the Aviation Program Executive Office (PEO), but more important, to concentrate all the core/common aviation electronics into one PMO and ensure that one office maintains commonality across all the aviation PMs with regard to ASE and avionics.

During the past year, the Army has defined and agreed to an Aviation Avionics Architecture. This architecture corrects the aviation defi-

A detailed overview of the changes and reorganizations of the Aviation Electronic Combat PM Office. ciencies that were experienced in Operations DESERT SHIELD/DESERT STORM. We reduced the number of avionics programs from 22 to six core programs.

These six programs are Global Positioning System (GPS),

which gives us situational awareness and command and control timing; High Frequency Nap-of-the-Earth (HF NOE), which gives us non-line of sight communications greater than 300+ KM; Improved Date Modem (IDM), which allows us to pass information in voice, data, or imagery; HAVE QUICK II (HQ II), which provides secure joint communications; Aviation Mission Planning Station (AMPS), which we need to upload our aircraft with mission planning information; and

lastly, Command and Control.

When we designed this aviation architecture and its six core programs, we surveyed all three services to determine if there were systems available to satisfy these requirements. We were able to do that immediately with the Embedded GPS Inertial (EGI) system which will be procured by the U.S. Air Force. The same is true with IDM, which is an Air Force buy. The box was developed by the Naval Research Laboratory and the Air Force has purchased the IDM with all three services participating. We will continue to upgrade our HAVE QUICK I systems to HAVE QUICK II systems using an existing Air Force contract.

During the past year, the AEC PMO has established an Assistant Project Manager position for Electronic Warfare (EW). This slot is currently being filled by an experienced EW Officer who has attended all the necessary EW schools and who is also an experienced Apache pilot with considerable tactical EW range experience. This gives him considerable credibility with the field.

The AEC PMO has also been able to obtain two highly qualified Non-Commissioned Officers (NCOs) who have been assisting aviation units throughout the world. One NCO has a strong

background in ASE repair, and the other has extensive experience in avionics. Currently, the EW Course is being taught by Ft. Rucker personnel with support by PM AEC, to EW Officers throughout the Army. To date, classes have been conducted at Ft. Rucker, Ft. Bragg, Ft. Campbell and Ft. Hood.

In addition to the EW training taking place by Ft. Rucker, AEC PMO is preparing to field a preproduction Aircraft Survivability Equipment Trainer (ASET) IV module to the National Training Center (NTC) in the 1Q FY 94. This fielding is in parallel with the production contract for additional ASET IV modules that will be fielded to aviation units as they become available.

This past year has been especially challenging in the area of battle labs, since aviation is participating in most of them. We have participated in numerous Advanced Technology Demonstrations (ATDs) and have a large exercise planned at the NTC (NTC Rotation, 94-7, April 1994). During these ATDs, we will demonstrate numerous new technology capabilities which will greatly increase the communications and kill power for our aviation commanders.

I am especially pleased with the progress that has been made in both of our ASE advanced systems. Currently, the Advanced Threat



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AIRCRAFT SURVIVABILITY



P.O. Box 11190, Huntsville, Alabama 35814 - Phone (205) 895-8600 Northwest Plaza Tower, Suite 700, St. Ann, Missouri 63074 Phone (314) 291-3313 Radar Jammer (ATRJ) is finishing its Demonstration/Validation testing at Eglin Air Force Base with great results. The Advanced Threat Infrared Countermeasures (ATIRCM) program is running six months ahead of schedule culminating in a live fire test at White Sands Missile Range in the Third Quarter 94. Both programs have remained on cost, schedule, and have tri-service participation.

The ATIRCM test at White Sands Missile Range will be part of a major Band IV test being conducted by Office of the Secretary of Defense, Directorate of Test and Evaluation (OSD DT&E). All the services will be participating with a large number of aircraft. The AEC PMO is the lead for the Army and ATIRCM will be the centerpiece of that testing.

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m T}_{
m he}$ challenges that face us during the upcoming year are numerous, but they can be overcome if all participants pull together and make the hard choices necessary during these very difficult times. Our requirements documentation process has to work hand-in-hand with the materiel development community in separating absolute requirements versus desired capabilities. This will greatly increase my ability to maximize and leverage the use of Non-Developmental Items (NDI) and high technology capabilities that may already exist in American industry.

If the requirements documentation process does not pay heed to this guidance, there will be insufficient dollars during these austere years to field any of the equipment that is necessary now to overcome the aviation deficiencies in DESERT SHIELD/DESERT STORM, I feel that with all the concentration on mission equipment packages and the complexity of this equipment, it is now necessary for the Training and Doctrine Command (TRADOC) community to have an TRADOC System Manager (TSM) who can be the go-between between the materiel developer and the user community.

Currently, there is a large void on the Army staff since there is no specific organization handling EW. There are offices at the OSD level, and offices at the PEO level, but there is little expertise in between.

If this is the case, how will Army Aviation ever attain the necessary funding for these core systems which are applicable across the entire aviation fleet? Hard trade-offs will need to be made in the future within the aviation mission area. We need to decide if we will trade off procurement of some quantity of aircraft for procurement of an ASE/Avionics core capability across the entire mission area.

++

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

BY LTCOL PETER R. McGREW, USMC, RET. & MAJ NORMAN H. SVARRER, RET.

ELECTRONIC COMBAT SURVIVABILITY AND THE ARMY REPROGRAMMING ANALYSIS TEAM (ARAT)

The Army published a 1989 policy stating "it is Department of the Army policy that all smart/brilliant munitions and sensors that require target recognition to function must possess a reprogramming capability unless specifically waiv-

ed by Headquarters, Department of the Army." At the start of the Gulf War, however, this policy was still in the first stages of implementation.

In response to the crisis requirement of DESERT SHIELD, an ad hoc Army Reprogramming Analysis Team (ARAT) was assembled to perform threat analysis tasks to support Army Aviation and Air Defense Operations. The hastily assembled ARAT had several notable successes during the Gulf War. The ARAT provided the threat analysis for repro-

How the ARAT has influenced the development and fielding of Aircraft Survivability Equipment.

gramming the AN/ ALQ-136(V)1/5, AN/ APR-39(V)2 and APR-39A(V)1.

Frank Colucci, a well known and experienced contributor to Defence Helicopter Magazine, made a study of helicopter capabilities and operations during the

Gulf War. He wrote in the November 1991 edition of *Defence Helicopter* that "there is little question that Electronic Warfare (EW) saved the lives of combat helicopter crews in DESERT STORM." Mr. Colucci's observation was quite correct. U.S. Army aircraft continue to use electronic combat survivability systems to counter enemy threats.

Computer based, the survivability equipment requires operating software, generally referred to as the Operational Flight Program or, simply, the OFP. The threat information is contained in a threat data library, often called Mission Data or Electronic Identification Data (EID). The Aviation Electronic Combat (AEC) system OFP uses the Mission Data to prioritize, identify and discriminate between the multiple threats faced on the modern battlefield.

Obviously, both the OFP and the Mission Data must be "married" to insure accuracy. Aircraft survivability and, in turn, air crew

confidence in the AEC System, is dependent on the accuracy of the system software and threat data.

The task of maintaining the AEC System is complicated, at best. The threats that our air crews may

face in Eastern Europe are totally different than the threats faced in Eastern Africa. Likewise, the Asian threat, which varies significantly across the continent in quantity and sophistication, is totally different from the threat environment expected on the South American Continent.

Present technology does not permit installing a set of mission data in our equipment that would work anywhere in the world. Nor does

the existing system technology accommodate the capability of a potential enemy to change his antiaircraft systems' operation to a mode reserved exclusively for wartime.

As a result, a specific region or threat program was selected as the most effective method to overcome the vastness of the electronic threat environment and threat changes. By design, Army systems are light weight, especially when

compared to the USAF and Navy Combat Aircraft protection systems. Weight, space and power constraints, coupled with the sheet volume of the required world wide threat data, make reprogramming, or rapidly chang-

ing the Mission Data to "move" with the threat, the only viable option.

Reprogramming, therefore, was the Army's (and DoD's) solution to the problem of countering not only the magnitude of the threat, but also accommodating the rapidly changing Electronic Warfare Environment. Reprogramming has been, to date, totally effective.

The effort that went into the Army Aviation Electronic Combat

"Reprogramming ...

was the Army's (and

DoD's) solution to

the problem of ...

accommodating the

rapidly-changing

Electronic Warfare

Environment."

Systems upgrades to insure survivability in the Gulf War was transparent to most of the air crews flying the missions. The four step process responsible for the accurate upgrade of AEC in the DESERT SHIELD phase of the Gulf War continues today.

 ${
m T}$ hreat analysis is the first step in Rapid Reprogramming process. The second step, quite often intertwined with the first, is impact assessment. Threat analysis

reveals the threat changes in nearreal-time. Impact assessment shows what that threat change means to the AEC system in terms of accurately identifying or countering it. After considering the options, the Army established

a full time ARAT to perform the threat analysis and initial impact assessment tasks.

Because the U.S. Air Force already had a viable and aggressive Aircraft Electronic Equipment Program underway in support of its combat aircraft, the Army opted to collocate the ARAT with the USAF Air Warfare Center (AWC) at Eglin AFB, FL. A second drive for the collocation surfaced during the Gulf War: the USAF and U.S.

Army aircraft shared the airspace above the battlefield. We were looking at the same threat systems; perhaps from different mission profiles, but the threats were the same.

The Army, therefore, with full support from the USAF, moved into the AWC at Eglin AFB, FL, in March 1993. An Interservice Support Agreement has been signed. The ARAT personnel are on station in the AWC's 68th Electronic

> Combat Group. sharing space with the 68th Tactical Support Squadron.

> The other players in the Airborne Systems Rapid Reprogramming are the Program Manager for AEC and the CECOM Directorates for Software En-

gineering (SED) and Night Vision Electro Optical Systems (NVES). CECOM receives the threat change information from the ARAT and writes the code that changes the mission data installed in the aircraft. The PM approves the code change and authorizes its dissemination to the field as a numbered program.

The new program is sent to the Army Component Commander. (ARAT - continued on page 79)

aggressive Aircraft Electronic Equipment Program underway ... the Army decided to



"Because the U.S.

Air Force already

had a viable and

collocate the ARAT ...

at Eglin AFB, FL."

AVIONICS ACQUISITION: ONE YEAR LATER

The process by which avionics are acquired has radically changed during the past year. From last year's focus on "Black Box" functionality, the Avionics Product Manager and the Assistant Project Managers now contend with their integrated

support to the Army as a whole. All acquisitions look beyond aviation requirements alone to the satisfaction of Army and joint service problems.

The exchange of information between all elements of the combat arms team (which avionics projects support) provides the Situational Awareness and maneuver dominance necessary to be successful on today's battlefield.

Prior to the merger of PM AEC and PM Avionics, avionics projects were acquired as stand-alone "Black

A status report on the avionics acquisition process through the new Aviation Electronic Combat PMO. Boxes". This philosophy had worked well for years as it provided the activity boundaries for the Avionics Office. The Assistant Project Managers (APMs) were responsible for the definition, design, development and fielding of the "Black

Box" and the platform Program Manager was responsible for the associated aircraft modifications.

Potential projects were identified by the Aviation System Improvement Program (SIP) which sought to satisfy aviation system deficiencies and provide desired capabilities. By June 1992, the list of active projects had grown to 22.

Fielding these projects would have satisfied the user community; however, it could not be accomplished. Funds for avionics projects had not kept pace with their initiation. As a result, 19 of the 22 projects had significant funding shortages (and three of those fully funded projects were managed by separate special program offices using no PM AEC funds).

Neither did the allocation of PM AEC funds match the priority sequence as defined by TRADOC: the top three PM AEC funded projects had less than 20% of the funds they needed for the FY 93-95 time period while the priority #14 project was fully funded. Also in question was the priority sequence itself. It did not appear to correspond to the true needs of the field. That is, projects enabling our soldiers to "fight and win" were not at the top of the list.

During the same period another drawback of the "Black Box" acquisition scheme was highlighted. As the APMs acquired a functional box, there was no overall consideration on its impact to each platform.

The Kiowa Warrior, for example, was identified to be modified by seven projects. These projects would have added 148 pounds to the aircraft while occupying 3.55 cubic feet of space, and consuming 1,395 watts of power. Every platform in the fleet carefully watches its space, weight, and power characteristics because system performance is directly impacted by all increases. In the Kiowa Warrior's

case the 148 pound increase was totally unacceptable.

Since the problems in weight, space and power had not been discovered, no initiatives were established in the Tech Base arena to solve them. Research dollars were not targeted to these needs making their solutions that much farther away.

The avionics acquisition issues were highlighted to the Aviation Council of Colonels in September 1992, then to the Executive Steering Group in October. Progress from there was rapid. There was doubt that improvement was needed to transform the "bottom-up". Black Box strategy into an integrated, "top-down" one which was based on battlefield deficiencies and thoroughly coordinated with the platform program managers. The acquisition community began at the front end of the acquisition process and worked forward.

The Aviation Directorate of Combat Development at Ft. Rucker, AL established a strategic priority list based on battlefield utility:

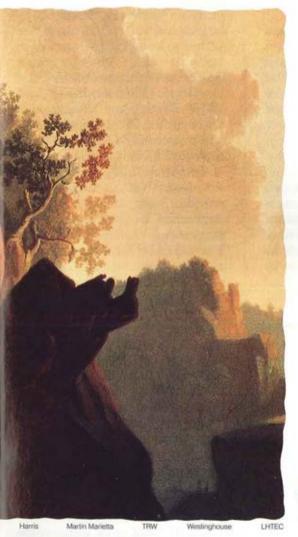
- Situational Awareness Navigation/Position Accuracy
- Command and Control Long Range Communications, Data vs. Voice, Automated C²
- Operational Tempo Planning/ Execution, Target Handover.

The second step was to reduce the 22 projects to 14 to make them

"The art of war is simple enough. Find out where your enemy is..."

Ulysses S. Grant Boeing Sikorsky Aircraft CAE Link General Electric Hamilton Standard Kaiser Electronics

The Concealed Enemy George Caleb Bingham, 1845 The Stark Museum of Art, Orange, Texas



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more manageable by the personnel available.

The main thrusts were "Horizontal" and "Vertical" Integration within the battlefield. These two concepts basically said that at the FLOT all combat team players must easily talk to each other; and that command and control channels should be smooth and timely. The avionics projects' support of the integration efforts were shown to be critical to this goal.

A final change was made after a few months. PM AEC limited its attention and resources to those projects which are required to maximize the use and communication of non-voice data. This "Digitization of the Battlefield" is not just an aviation desire, but is being sought by all levels from the Chief of Staff down.

Six projects are critical to aviation's digitization efforts:

• The Global Positioning System (GPS) project provides a self-contained navigation system for aviation platforms. The Joint Program Office's designated aviation solution, the Miniaturized Airborne GPS Receiver, was not suitable for aircraft without a data bus. Thus, to insure the best solution was found a study was performed for each platform to establish individual GPS requirements and the best alternative for satisfying each.

For Apache and Kiowa Warrior,

the best solution is a GPS card embedded in the Inertial Navigation Unit. Together, these technologies provide very accurate heading, attitude, and navigation input vital for precision targeting needs. Other solutions include a GPS integrated with doppler and stand alone GPS units.

GPS unit fieldings are scheduled to start in FY95 for CH-47 and UH-60. Testing and integration of the embedded GPS is underway and will permit AH-64 modifications to begin in FY96.

 The AN/ARC-220 Airborne High Frequency Communications Radio provides voice and digital communication for "over-the-hill" and long range (300+ km) requirements. The AN/ARC-220 radio project satisfies a critical need for a reliable, securable, and ECCM resistant Non-Line of Sight (NLOS) communications capability at Nap of Earth (NOE) altitudes.

The AN/ARC-220 radio includes advanced high frequency features such as Automatic Link Establishment (ALE) for simplified air crew operation and high circuit connectivity, data operations, advanced narrowband digital voice terminal capability, anti-jam capability and data bus aircraft system control. The AN/ARC-220 shall be form and fit interchangeable where practical with the existing AN/ARC-199.

The HF NOE radio will undergo source selection in late 1993 with testing and production start-up in 1994. Fielding will begin in 1995.

• The HAVEQUICK II (HQ II) radio is a UHF Radio set with ECCM capability. There are currently versions of non HQ and HQ I radio sets in various aircraft. PM AEC has initiated a program to upgrade all fielded ARC-164 radio sets to the HQ II configuration. In order to send data, data rate adapters for HQ will be developed. The HQ II is required because the current fleet of Army HAVEQUICK I radios are no longer compatible with the HAVEQUICK II radios which are the standard for joint service and NATO communications.

Upgrade efforts and modifications are on-going and are scheduled to be completed by 1998.

• The Improved Data Modem (IDM) provides the primary digital communications link for the battlefield. The IDM can digitally communicate among Army air and ground platforms, as well as with Air Force assets such as J-STARS and A-10s. It monitors up to four radios simultaneously and can converse in TAC-FIRE (Artillery), AFAPDS (Air Force and Longbow), and MTC (Marine) protocols. The IDM utilizes predefined message formats which are automatically completed with data extracted from the platform's data bus or keyed in by the air crew, then transmitted from the designated radio.

The production of IDMs began in 1993 and the bulk of the aviation fielding will be performed by 1997.

• The Army Aviation Command and Control System (A2C2S) is a mobile communications and control system that is necessary for both maneuver and air commanders to keep up with a fluid digital battlefield and in situations where there is a limited or nonexistent C2 infrastructure, like Somalia or Bosnia. This capability was also critical for command and control in disaster relief situations, like Hurricane Andrew. The following command and control elements will be integrated onto a UH-60 platform as a permanent airborne asset: a Commander's work station; a Commander's Tactical Terminal H/R; AMPS; GPS; IDM; EPLERS; FLIR; Digital FAX; Digital Map Display; Mobile Subscriber Equipment; an MCS Connection; and SATCOM, UHF-AM/FM, HF NOE, and VHF-AM/FM radios.

Integration of the various components will be done from now to 1996 with the platform being available beginning in 1997.

The Aviation Mission Planning System (AMPS) will support Aviation's requirements for preflight avionics systems initialization and post mission data download. AMPS is the lowest level Aviation node to the Automated Command and Control System. It is a mission planning/battle synchronization tool, based on Army common hardware and software, that will automate aviation mission planning tasks. The primary components of the current hardware configuration are: Lightweight Computer Unit (LCU); Compact Disk-Read Only Memory (CD-ROM); a Read/Write Magneto-Optical Device; Data Transfer Receptacle/Cartridge; and a Lightweight Printer.

AMPS components and Data Transfer Devices have already been purchased in limited quantities, and the fielding will occur between now and FY99. Continued upgrades are planned with the software to add functions as they are written.

Even as PM AEC presses toward Battlefield Digitization, their target for avionics future has already been set. The goal is to achieve an environment for the Comanche fielding in 2003 which allows all the platform's capabilities to be known and usable as it comes off the production line. All communication links are being evaluated and information flows identified, categorized, and analyzed as used on the various platforms. Many unknowns must be nailed down and solved in the next ten years, but with the strides taken in the last year — it will be done!



LTC Boylan is the PM Aviation Avionics Systems, Aviation Electronic Combat PMO, St. Louis, MO.

CAREER TRACK

If you'd like to take advantage of the Career Track employment referral service, but you're not yet a member of AAAA, the solution is simple: Fill out a membership form and send it in along with your request for a Career Track application. Your ad will run in the next available issue.

Active AAAA members may have a 30-word classified employment ad published in two consecutive issues of ARMY AVIATION MAGAZINE free of charge. Write to the AAAA National Office, 49 Richmond-ville Avenue, Westport, CT 06880-2000, or call (203) 226-8184 for Career Track applications. Inquiring organizations contact the National Office.

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USAR UH-1 Aviator desires FW transition/pilot slot Reserve/Guard unit. IERW: 1992. OCS commission: 1989. FAA A&P: 1989. FAA FW: 1981. Private sector aviation employee since April 1987. Prior enlisted (active/reserve). 93-08-03.

WANTED: Aeroscout Platoon Leader for Air Cavalry Troop in California Army National Guard (Southern California Area). Should be 0-1/0-2; OH-58 A/C Aeroscout qualified, but all rated applicants will be considered. Send resume and cover letter to: 1LT(P) Erik L. Thiesmeyer, Troop C(AIR) 1/18th Cavalry, Bldg. #16, Armed Forces Reserve Center, Los Alamitos. CA 90720-5002.

U.S. ARMY ADVANCED THREAT INFRARED COUNTERMEASURE PROGRAM OVERVIEW

With the breakup of the Soviet Union and East Germany creating a post-Cold War economic recession, threat weapon systems, especially manportable Surface-to-Air Missiles (SAMs), are more easily obtained. In the near future, more foreign threat

weapon systems technology will be seen than in the past 25 years. Never before in the history of PM AEC has Army Aviation been faced with such a large number and variety of threat systems.

The Advanced Threat Infrared Countermeasure (ATIRCM) is the program within the AEC PM to develop a replacement for the AN/ALQ-144, AN/ALQ-156 and the M-130 with a modular, reconfigurable system able to handle current, near future, and projected infrared threat

A breakdown
of the ATIRCM
program —
the most
expansive
aircraft
survivability
program to
date.

missiles on a wide variety of Army aircraft types.

The system consists of four major subsystems:

- an Infrared Jammer Head (IRJH);
- an Advanced Threat Missile Detector (ATMD);
- an Advanced Ex-

pendable Dispenser (AED);

 and an Electronic Control Unit (ECU).

The IRJH employs a gimbal mounted Xenon flashlamp to generate jam waveforms for Band I and II missiles and an externally mounted laser to generate Band IV waveforms. The use of a laser, which provides Jam to Signature ratios which are several orders of magnitude greater than the AN/ALQ-144A, allows the system to employ "generic" jam codes so that specific jam codes are not re-

quired for each threat missile. This is most critical due to the wide variety of Band IV SAMs expected over the next few years.

The ATMD is being developed in two different configurations; one being an Electro-Optic based system for use on low flying helicopters, the other being an infrared focal plane array-based system for use on high flying fixed wing aircraft, such as the RC-12K.

The AED is being developed based on a modified AN/ALE-47 and M-130 combination which has the capability to identify individual munition load-outs. This ability will be most critical with the advent of several advanced infrared decoys.

The ECU serves as the "brains" of the system. It processes the incoming threat missile detections then allocates an appropriate countermeasure resource such as an IR-JH to handle the threat. If the installed IRJH is already engaged, or if the situation dictates, an expendable program will be commanded.

The modularity of this system (which is required due to the wide signature range of Army aircraft) has opened other applications such as fixed wing transport aircraft. Common modules such as the ATMD, ECU and AED could be merged with a modified IRJH to provide jammer protection for fixed wing transport aircraft. The modification to the IRJH could be solely

in the off-gimbal laser, thus making this an easy system modification.

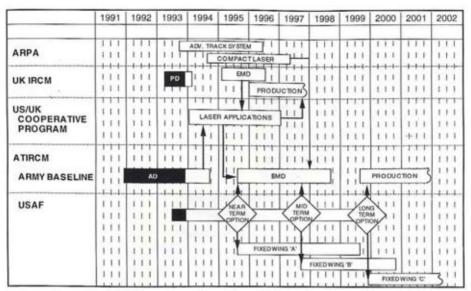
This feature has prompted the OSD Office of Electronic Combat to develop a DoD IRCM Plan (Figure 1) using the ATIRCM architecture as a baseline for a multi-service IRCM development program. The AEC PMO already has a Memorandum of Understanding (MOU) in place with the U.S. Navy calling for ATIRCM application to U.S. Navy rotary wing aircraft. In addition, a draft MOU is being worked with USSOCOM calling for ATIRCM application to their rotary wing fleet.

This modularity also allows for easy product improvements. As the technology and the threat change so can the ATIRCM in response to these changes. The United Kingdom, under contract with three U.S. companies, is also pursuing an advanced infrared countermeasure program using similar technology. This is providing a very competitive atmosphere in the development of these systems and the U.S. is following the UK program very closely.

The ATIRCM is currently in the Demonstration and Validation phase of its development with a contract to Lockheed Sanders, Inc. The first system has been integrated and bench testing has begun to prepare the system for later ground and flight tests.

The system has demonstrated the hand-off of a simulated missile sig-

Figure 1: DoD IRCM Plan



nature from the ATMD to the missile tracker on the IRJH and the radiation of jammer energy at the simulated missile. This was done using a stationary source and will need to progress to a moving source.

The next stage of testing will then be flight test aboard a Black Hawk helicopter against an array of captive seekers. The ATIRCM will be installed in a test configuration for these tests with the system components mounted on a test bed with the missile detectors and jam heads protruding through the open cargo doors of the helicopter. This will demonstrate the ability to track and jam while on-board a maneuvering, vibrating helicopter.

Tentative plans then call for tests against a live missile mounted on a sled at a track facility at Holloman AFB. This will allow for tests against a moving missile with a real missile motor plume. The final test will occur when the ATIRCMA is installed in the White Sands Missile Range cable car facility and actual missiles are fired at the cable car. All testing is scheduled for completion by the summer of 1994 with the next phase of the program starting by summer of 1995 and production scheduled for 1999.



Mr. Stanton is the Assistant Project Manager for IRCM, Aviation Electronic Combat PMO, St. Louis, MO.



THE BATTLE LABS: A FOUR STAR BEGINNING

Get the big picture.
As you wait for the ball to come down, you raise your hand to signal for a fair catch. The whistle blows — first and 10 on your own 20-yard line. The offense comes out on the field. Plenty of time on the clock, so the of-

fensive coordinator calls for a ground-control series of plays. If things go according to plan, you should be in the end zone in nine years — nine years?! Welcome to the Materiel Acquisition World.

At last count, the unofficial elapsed time to move an avionics system from birth, through the acquisition process, and into a fielded Army helicopter is nine years. Obviously, this acquisition life cycle process will not stay up with the avionics technology explosion, but the Army

A portrait of how the Army's Battle Labs can help streamline the avionics acquisition process. has made a commitment to improve the process and the Battle Labs will play a key role. It's a four star beginning.

The battle labs are in business to challenge and restructure existing doctrine in light of a 2000+ force projection Army.

They will assist in training the war fighter and "modernizing the Army," which includes providing assistance wherever and whenever value-added can be achieved through simulation and modeling. This is an innovative, integrated approach for getting things done as the rains of budget cuts come down.

Right now, the materiel acquisition life cycle needs a diet.

Sizing the optimum life cycle is complex because it involves finding the balance between shaving the present materiel acquisition process (without compromising mil spec integrity) versus getting on a power curve that provides a conduit for frequent technology insertions that feed a force projection Army.

It feels about right to say that the Army should have the option to run with the commercial "big hitters" if the Army elects to.

One of the biggest of the "big hitters" today is the Intel Company,

the processor giant that dominates the commercial microprocessor (chip) market.

Intel inserts new generation chips approximately every 18 months into its marketplace (the user community). Each generation chip

approximately doubles the number of transistors on a substrate and is

backward compatible.

This is high technology on the move at sufficient speed to stay ahead of its competitors. In terms of establishing an Army target for materiel acquisition streamlining, 18-month turnarounds with some lag time behind this commercial pacesetter is worth considering.

Should materiel acquisition even bother getting in step to put frequent upgrades in fielded systems as improved commercial technologies become available? Army aviators certainly think so, especially since the adversary is gobbling up late technology weapons from an increasingly unstructured world weapons marketplace.

f It feels about right to say a streamlined, acquisition turnaround-time goal of about 18 months with a modest lag time behind high tech commercial

> pacesetters should what the materiel acquisition community should be striving

for

A BattleLab's team, without a streamlined materiel acquisition team, can get the ball into the end zone, but in to-

day's high tech environment, by the time we do it, we'll look up into the stands and find the lights will be out and all the fans will have gone home.

We must get these life cycle time lines reduced.

Got the big picture?

Mr. Czura, a Senior Engineer with SAIC, is currently task ordered to the Aviation Electronic Combat Product Management Office, St. Louis, MO.

"Should materiel

acquisition even

bother getting in step

to put frequent

upgrades in fielded

systems as improved

commercial

technologies become

available?"

ASE/EWO: THE NEWEST COMBAT MULTIPLIER

Over the last two years, great things have happened in Army Aviation concerning Aircraft Survivability Equipment (ASE). Two years ago I said, "ASE is like being in the middle of a forest fire ... you can direct your efforts in any direction and do

some good." Today I will say great events are taking place.

The most important single event is training. With the memories of DESERT SHIELD/STORM still a glowing ember, it is easy to recall the concerns during the preparation for combat operations. Countless units stood on their respective flight lines and looked at their peace time training aircraft wondering who was going to convert them into combat ready war birds.

ASE was that non-testable, classi-

The newest innovations in Aircraft Survivability Equipment and Electronic Warfare.

fied class that possibly did not mean much to you in flight school. ASE was that classified stuff you kept in the arms room and inventoried once a year. Task #1095, Operate ASE, in every Aircrew Training Manual, was that thing you

regurgitated on annual check-rides. Today ASE is a part of every tactical mission.

The ASE Trainer II (ASET II) was the first widely disseminated collection of classified threat and countermeasure materials. ASET II is now deployed on the basis of 1:33 aircrew members in the active army, reserve, and national guard. ASET II software is currently version 1.0 and through comments from users an updated software version is being prepared.

ASET II has some warts. The ability to track student tutorial data was not ready at the release of version 1.0. An update is in the final process of validation and should be released to all users by 1 November 93. Three new disks will be shipped: Computer Managed Instructions, Student Tutorial Disk, and Game Management Software. These new disks, an operator's guide, and manager's guide will aid the unit ASE training program considerably.

These changes were requested from field units on the ASET II HOTLINE for recommended changes and gaining any ASE information. In addition, each aviation company with aircraft assigned has a designated ASE/Electronic Warfare Officer (ASE/EWO) position. The few school trained ASE/EWOs are valuable tools in the aviation commander's toolbox.

The ASE/EWO (Warrant Officer Additional Skill Identifier H3) is a new combat multiplier. But first, what is an ASE/EWO? An S-2, S-3, maintenance person, Instructor pilot? They are none of these.

They are trained to use threat intelligence data to produce meaningful risk assessment. They are trained on all Army ASE systems. They are trained to optimize the assigned aircraft's chance of survival by selecting ASE configuration settings based on the threat, the aircraft, and the mission at hand.

They are trained to identify the factors causing higher risk and identify risk reduction techniques to reduce the risk. They are the primary threat and countermeasure trainer at the company level. They are feeders to the Tactical Operations officer (Warrant Officer Skill Qualification Identifier-I). They are the mission planning team leaders.

Upon receipt of the Intelligence Preparation of the Battlefield (IPB) and the assigned unit mission, they begin to prioritize the threats and apply the optimum countermeasures to those threats. The ASE/EWO then identifies the cause of the risk and recommends risk reduction techniques that will allow mission accomplishment.

The prioritized threat list is passed through intelligence channels to pinpoint critical elements of information. (For example, if the unit has no ASE protection from SAM-1, it is important to direct intelligence efforts to locating and passing SAM-1 data to the aviation unit.)

The ASE/EWO is trained to perform terrain planning to minimize exposure to known or suspected threat locations. As the Aviation Mission Planning System (AMPS) is deployed, the ASE/EWO will be prepared to automate the manual mission planning they are trained to perform now.

Critical ASE/EWO tasks include:

- Perform ASE risk assessment.
- Plan Electronic Countermeasures, Electronic Counter-Countermeasures, and Electronic Support Measures.
- Plan air/ground countermeasures.
- Manage organizational ASE program.
- Evaluate organizational threat/ ASE program.
- Identify major threat and allied equipment.
- Describe actions on contact.
- · Operate ASE.
- Conduct academic instruction.
 The duties and responsibilities of the ASE/EWO are:
- Technical advisor to the commander, staff, and aircrews.
- Monitor inspection and maintenance of Army ASE systems.
- Evaluate ASE operational readiness.
- Select optimum ASE configuration settings, recommend reprogramming, and employment tactics, techniques and procedures.
- Manage ASE training program through the use of training devices (ASET II, ASET III, and ASET IV), formal updates, flight and mission simulation play, and force-on-force training exercises.
- Assist in the compliance of safeguarding classified materials.
- Coordinate logistics assistance.
- · Primary trainer for ASE and

- countermeasures to threat air defense systems.
- Perform mission planning to optimize survivability and reduce risks.

Being an ASE/EWO does not limit the Warrant Officer Career Track to Tactical Operations Officer but is mandatory training for the Tactical Operations Officer. The ASE/EWO will prove a valuable asset to the Aviation commander.

The ASE/EWOs who are trained today are pioneers who are blazing the trail for the battles of the future.

In ready rooms, ASE/EWOs are evaluating their aircraft's ASE and unit training for many contingencies. The peace time aircraft have someone to transform them into combat ready warfighting aircraft. Aviation commanders are giving them their chance to influence the future battle today.



CW3 Woods is the Training Development Officer, Aircraft Survivability Training Management Division, Directorate of Simulation, USAAVNC, Ft. Rucker, AL.

INTERNATIONAL LIAISON PILOT AND AIRCRAFT ASSN (ILPA)

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The 1993 Aviation Warrant Officer Directory*

Sample

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. AM/00.

Pilot Ratings

MAA: Master Army Aviator SAA: Senior Army Aviator

AA: Army Aviator

IFE: Instrument Flight Examiner SIP: Standardization Instructor Pilot

IP: Instructor Pilot
TP: Test Pilot

Miscellaneous Information

DFC: Distinguished Flying Cross AM/00: Number of Air Medals

A professional-personal roster of Aviation Warrant Officer AAAA members. Only listings returned to the AAAA National Office on or before 13 August 1993 are listed.

Hi-Timers

CW3 Luis Silvestre18,000	
CW4 Harry R. Stevenson13,500	
CW5 Gregory A. Waltz11,000	
CW5 Stanley H. Graves10,500	
CW4 Wayne S. Guffy, Jr9,560	
MW5 Daniel N. Foe9,500	
CW4 John A. Shoemaker9,500	
CW4 John A. Shoemaker9,500	
CW4 Chauncey A. DuMond9,200	
MW4 David C. Beishline9,103	
CW4 Robert E. Yates9,005	
CW4 John A. Costello9,000	
CW4 Richard E. Campbell8,900	
CW4 Dempsey L. Birmingham8,800	
CW5 Richard W. Burbank8,600	
CW4 Cornelius McMillan8.400	
CW4 Peter M Daly 8000	
CW4 William T. Darnell8,000	
MW4 Robert J. Hawkins8,000	
CW4 Tyrus R. Carr	
CW4 John R. Kemp	
CW5 Michael J. Hutson	
CW5 Leonard N. Lemay7,700	
CW4 Robert L. Smith7,700	
CW4 Craig V. Randall7,650	
CW4 Marvin G. Ballard	
CW5 Donald R. Harlor7,600	
MW4 Byron M. Wilkinson	
MW4 James R. Bandy III7,500	
CW4 David B. Dahlstrom7500	
CW4 Dennis A. Hegland7500	
CW5 Robert D. Hill	
CW5 Robert E. McClellan, Jr7500	
CW4 Richard L. Voigt	
CW5 Thomas E. Ault	
CWS Inomas E. Ault	
CW4 Joseph Perez7,145	
CW4 John S. Moltenberry7,125	
CW5 Randal R. Lindsey7,100	
MW4 William R. Murphy7,100	
CW4 Richard A. Skaaden7,050	
MW4 Vance L. Barton	
CW5 Edwin B. Taylor7,000	
CW4 Timothy J. Vreeman7,000	
CW4 Frank F. White 7000	
CW4 John H. Wilson III	
CW5 Donn D. Olson6990	
CW5 Robert R. Fladry6,800	
CW4 Gregory P. Ruestow6,800	
CW4 Reid D. Feltmate6,700	
CW4 Meid D. Pelimaie6,700	
CW4 William E. Malo6,700	
CW4 Jon L. Welda6,700	
MW4 Richard A. Houde6,620	
CW4 William H. Ramsey6,600	
CW4 Lawrence A. Boggs6,520	
CW4 Larry D. Willett6,520	

Abate, Louis J., (CW2) (M92) (Lou) 7315 Garfield Street, Savannah, GA 31406. Dy. (912) 352-5500. Res: (912) 355-4788. S: Sabine. Dy. AH-64A Pilot, B Co, 1-24 Avn. Rtg: AA. RW Qual. Time: 650 Hrs.

Aberg, John H., (CW4) (M80) (Jack) 11400 White Bluff Road, Apt. 62, Savannah, GA 31419-1544. Dy. (912) 352-8105. St. Margle. Dyr. A Co., 3/160th SOAR(A), HAAF. Rtg. SAA. RW Qual. Time: 4,125 Hrs./Cbt. 139 AM/3.

Abernathy, Mark C., (CW4) (M93) 319A Millett Street, Wahiawa, HI 96786. Dy: (808) 656-1355. Dy: OH-58 MTP/ME, D Troop 5/9 Cavalry. Rtg: MTP. RW Qual. Time: 2,500 Hrs.

Adams, Tom C., (CW3) (M93) (Bart) 1908 Dennis Street, Copperas Cove, TX 76522, Res: (817) 642-6468, S. Cha. Dy: Degree Completion. Rtg: SAA, RW Qual. Time: 2,500 Hrs.

Adaway, John W. III, (CW3) (M84) 2696 Bucker Ave., Fort Meade, MD 20755. St. Joan. Rtg: SAA IP. RW Qual. PW Qual. Time: 2,900 Hrs./Cbt 60 Adkins, Themas L., (CW4) (M93) (Big Daddy) 307-A Sudut Street, Wahlawa, Hi 96786. Dy:

307-A Sudut Street, Wahlawa, Hi 96786, Dy. (808) 438-6084, Res: (808) 624-9577, S. Diane, Dy. USARPAC, Fort Shafter, Hi, Rtg.: MAA IFE SIP. RW Qual. Time: 5,000 Hrs./Cbt 25 AM2. Agee. Douglas S... (CW2) (M89). (Odie) 105

Agee, Douglas S., (CW2) (M89) (Odie) 105 Blueberry Court, Savannah, GA 31419. Dy: (912) 352-6868. Res: (912) 925-2983. S. Beth. Dy: Maint Test Pilot, AH-64, C Co, 1-24, Vipers. Rtg: AA MTP. RW Qual. Time: 750 Hrs.

Akins, Res T., (CW2) (M99) 5580-1 Carter, Fort Hood, TX 76544. Dy. (817) 287-8353. Res. (817) 539-7886. St. Cornie. Dy. Apache Pilot, A Troop, 4/6 Cav. Rtg. MTP, RW Qual. Time 540 Hrs. Stensuch. John T. Jr. (CM2) (M89) (1) 3289

Alspaugh, John T. Jr., (CW2) (M89) (J.) 3289 Libby Lane, Evans Mills, NY 13637. Dy. (315) 772-3729. Res: (315) 629-1917. S: Christine. Dy. Fit Ops Officer, 3-25th AHB, Fort Drum, NY. RW Qual. Time: 620 Hrs./Cbt 54 AM/1.

Anderson, Alvin P., (CW2) (M91) (Andy) 3500 Supar Cane Cr., Fayelbulle, NC 28303. Dy. (919) 396-5541. Res: (919) 487-2697. S: Tammy. Dy: B Co, 3/229th Aun (Alk), Fort Bragg, NC. Rig: MTP. RW Qual. Time: 1,100 Hrs./Cbt 50 AM/1.

Anderson, Carl F., (CW3) (M91) (Cap) 1811 Volley Lane, Harker Heights, TX 76543. Dy. (817) 288-286. Res: (817) 698-1997. S. Etzabeth. Dy. UH-60 SIPIPE: HHC, 4-227th Avn Regt. Rig: SAA IFE SIP. RW Qual. Time: 3,600 Hrs./Cbt 87 AW1.

Anglessy, Terry S., (CW3) (M82) 1523 Jefferies, Kileen, TX 76543-5178. Dy. (817) 288-9000. Res: (817) 699-3427. S: Dearn. Dy. Tex. Fit DV OSAC, Fort Hood. Rtg. AA IP IFE SIP. RW Qual. PW Qual. Time: 3,500 Hrs./Cbt 1,100 AM/5.

Arsenault, Ronald L., (CW3) (M92) (Rion) 20 Windsor on the Marsh, Saxannah, GA 31419. Dy. (912) 335-261. Res: (912) 335-9241. S. Debby. Dy. Unit Standardization Off, A Co., 3-24th Avn Regt, Hunter AAF, GA, Rtg. SIP, RW Qual. Time: 3 200 Hes. Obt. 120. AW11.

Arthur, Harry P., (CW4) (M78) (Harry) K-16 Seoul Air Base, Box 560, Unit 15238, APO AP 92026-0011, Dy ISDN 741-41105698, Pesc (703) 922-5034, S: Karen, Dy. Deputy Install, CdrifW IFE. Rtgr. MAA IFE SIP IP. RW Qual, FW Qual. Time: 5,120/Cbt 581 AM/11, Past Chap. Officr.

Asbell, Gelnn F., (CW3) (M88) 1901-B Soissons Avenue, Barstow, CA 92311-5941. Dy.: (619) 385-3085. Res: (619) 252-1604. S. Nancy. Dy. Avlation Satety Officer, 3/159th Avn Bn. RW Qual. Time: 2,000 Hrs./Cbt 200 AM/1.

Ashley, Anthony M., (CW2) (M89) (Tony) D

A

Aviation Warrant Officer Directory

Troop, 5/17th Cavalry, Unit 15/038, Box 88, APJ AP 98/224-02/17, Dy; ROK 73/03-232. Res: ROK 730-6661. S: Leisha. Dy; AH-1 Pilot, Camp Mobile, Korea. RW Qual. Time: 500 His-JOtt 34 AM/1. Avery, Glenn E., (WO1) (M0) CMR #467, Box 6755, APO AE 09/096. Dy; DSN 337-6035. Res: 0611 731-659. S: Lana. Dy; Aeromedical Evacuation Pilot, 159th Med. Co., Wiesbaden, Germary. RW Qual. Time: 800 his-JZ70 His. AM/1.

Ault, Thomas E., (CWS) (M82) (Tom) 107 Hank Nx Dhve, Ozark, AJ 63560, Dy. (205) 255-2660. Res. (205) 774-5854, S. Phyllis, Dy. Accident Investigation, US Army Safety Center, Fort Rucker. Rlg. MAA. RW Qual. Time: 7,200 Hes./Cbt 2,610 DFC11, AMPS.

BBBBBBBBBB

Babcock, Myron F., (CWS) (M89) (Myron) 206 Beacon Tree Way, Peachtree City, GA 30269. Dy. (404) 669-6037. Res: (404) 61-6925. S. Linda. Dy. Avn Staff Officer, J3 FORSCOM, Fort McPhesson, GA. Rig: MAA SIP. RW Qual, Time: 4,800 Hs. AM1. 88 Aviator Of The Year.

Bachand, Robert J., Jr. (CW3) (M61) (Bob) A Company, 2-227th AHB, APO AE 09165. Dy: Aircraft Armament Maint Tech/AH-64 Pilot. Rtg: AA. RW Qual. Time: 1,500 Hrs./Cbt 100 AM2.

Ballard, Marvin G., (CW4) (M89) (Marv) C Co, 7-158th Avn, APO AE 09180, S: Shelley, Dy: Safety Officer, Glebelstadt. Rtg: MAA IP. RW Qual. Time: 7,600 Hrs./Cbt 1,700 DFC/1, AM/37.

Balonis, Lorie A., (WO1) (M92) (Brat) CMR 2, Box 12179, Fort Rucker, AL 36362. Dy. (205) 255-6007. Res: (205) 393-5407. Time: 130 Hrs. Bandy, James R. III, (MW4) (M83) (Jim) PSC 1,

Bandy, James R. III. (MW4) (M83) (Jim) PSC 1, Box 1248, APO AA 34001. Dy. (507) 284-6205, Res. (507) 260-515. Dy. SIP 617th 50AD, Fort Kobbe, Panarma. Rig: MAA SIP IFE. RIW Qual. Time: 7,500 Hrs./Cbt 1,026 AM/22.

Barrier, Steven B., (CW3) (M89) (Steve) 14044 Compton Heights Ct., Ciffon, VA 22024, Dyr. (703) 806-7024, Res. (703) 818-8422, S. Kim. Dyr. RWPAT, USADIAC, Pt. Belvoir, Rtg. IP. RW Qual. FW Qual. Time: 2,700 Hrs.

Barrteault, Mark A., (W01) (M92) 110 Raymond Dr., Newland, LA 71461-9780. Res: (318) 239-0123. S: Kaye. Dy: Ribt. RW Gust. Time: 260. Barton, Vance L., (MW4) (M84) (Vance) 509 Big Creek Road, Weatherford, TX 78087-9348. Dy: (817) 280-7855. Res: (817) 598-1044. S: Robin. Dy: Opn/Stdz: Officer, Defense Plant Rep Ofc, Bell Helicopter. Rtg: MMA. SIP TP, RW Qual. Time: 7,010 Hss. 205 992 D4C2_AM29_2V.

Banuzzini, Murray B., (CW2) (M91) 10 Mulberry Court, Savannah, GA 31406-5124. Dy: (912) 352-5120. Res: (912) 353-8679. S: Kymberly. Dy: B Co, 2/159 Avn, HAAF. Rtg: AA. RW Qual. Time: 500 Hss.

Beal, Robert F., (CW3) (M93) (Bob) 11 Markham Street, Fort Bragg, NC 28307. Res: (919) 436-5295. S: Cathy, Dy: UH-60 IP IE, A 4/228th Avn. Regt. Soto Cano, Honduras. Rig: SAA IFE IP. RW Qual. Time: 3,500 Hrs./Cbt 7 AM/1.

Beasley, Howard K., (CW2) (M89) 528 Sanoo

Road, Clarksville, TN 37043. Res: (615) 358-3604. S: Vickle. Dy: A Co, 2/501st Avn., APO AP. Dy: 753-6912. Rtg: AA. RW Qual. Time: 950 Hrs./Cbt 99 AM2

Beauchamp, Daniel J., (CW2) (M89) (Newt) 80 N. Harris Drive, Fort Rucker, Al. 36382-2339, Dy; (205) 525-3223. Res: (205) 598-5559. S: Trish. Dy; Aeroscout NVG Instructor Pilot, B Co, 1/212th, USAAVNIC. Rg: AA IP, RW Qual. Time: 1,100 Hrs./CDI 38 AM2.

Beck, Scott C., (CW2) (M86) 8935 Homestead, Olympia, WA 98516. Dy: (206) 967-2414. Res: (206) 459-3017. S: Kimberley. Dy: Washington OSA Fit Det, Fort Lewis, WA. RW Qual. FW Qual. Time: 2,000 Hrs./Cbt 20 AM/2,TV.

Beebe, Sandra L., (CW4) (M86) 15804 Crocus Lane, Dumfries, VA 22026. Dy. (703) 806-7023. Res: (703) 680-0449. S. Steven. Dy: Faced Wing IP, Capital Region Fit Det OSAC, Fort Belvoir, VA, Rg; MAA FE SIP MTP, RW Qual. FW Qual. Time: 5,000 Hrs. Scholarship Board.

Beidler, Max K., (CW2) (M92) 144 Byrd Road, Dover, TN 37058, Dy. (502) 798-7474, Res: (615) 232-4558, S: Tina, Dy. Malot TP, BV4-101, Fort Campbell, KY, Rtg: MTP, RW Qual, Time: 1,000 Hrs.

Belshine, David C., (MW4) (MS8) (Dave) 6846 Towbridge Road, Fayethville, NC 28306. Dy. (919) 336-3303. Res: (919) 425-2022. S: Beale. Dy. Standardzation Officer, NDOSA, Flight Detachment, Fort Bragg, NC, Rig: MAA IFE IP. RW Qual. FW Qual. Time: 9,103 Hrs./Cbt 1,456 AM/G7.

Bell, Brian L., (W01) (M91) C Co, 3/227 Aviation, Unit 20196, APO AE 09165. Dy: 322-7432. Res: 01149-6183-6335. S: Ellen. Dy: Aeroscout. Pilot, C Co, 3/227 Avn. RW Qual. Time: 590 Hrs. Bellamw. Jav. (CW3) (M92) 8217 Chivalry Road.

Bellamy, Juy, (CW3) (M92) 8217 Chivairy Road, Annandale, VA 22003, Dy; (703) 906-7096. Res: (703) 560-1035. S: Maureen. Dy; Instrument Examiner, RW PAT, Fort Belvoir, VA. Rig; SAA IFE IP. RW Qual. Time: 3,850 Hrs./Cbt 50 AM/1.

Bensen, Bruce D., (CW3) (M88) B Co, 3rd M Bn (AE), Unit 152/19, Box 830, APO AP 96271-0155. Rig: SAA MTP. RW Qual. RW Qual Berg, Dale M., (MW9) HHD 70th Trans Bn, Unit 297/19, Box 95, APO AE 09028. S: Mary. Dy: AVM Bn Staff Officr. Rig: MAA TP. RW Qual. Time: 4,600 Hrs./CD1.145.

Bergame, Mark G., (CW3) (M89) 1961 Stepford Drive, Clarlsville, TN 37043. Dyr. (502) 798-2349. Res: (615) 552-7109. S: Lorraine. Dyr. D Co., 1/160th SOAR (A), Fort Campbell, KY. Rig: SAA IP. RW Qual. Time: 2,500 Hrs./Cbt 50

Berge, Jorg-Loo, (CW4) (M83) HQ, USAREUR 7A, CMR 420, Box 284, APO AE 90903. S: Bonnie. Dy; Avn Maint Tech, ODSOPS, Avlation Heidelberg, Germany. Rig. MAA MTP. RW Qual. Time: 5,600 Hrs./Cbt 1,304 AM/52.

Bergstrom, Steven J., (CW3) (M87) (Steve) 3940 Red Cadar, Colorado Springs, CD 8906. Dy; (719) 579-2555. Res; (719) 540-9172. S: Detro. Dy: Instrument Rt Examiner, C Co, 1-4 Avn Regt, Fort Carson, CO. Rtg: SAA IFE SIP. RW Qual. Time: 3,000 Hys.

Bingham, Craig A., (CW2) (M93) 315 Coriss Street, Security, CO 80911. Res: (719) 390-3549. Birmingham, Dempsey L., (CW4) (M90) 5990 Richmond Highway, Suite 906, Alexandria, VA 22303-2457. Dy. (301) 981-7885. Res: (703) 329-2426. Dy. Safety Officer, USAPAT. Rig. MAA IFE SIP IP. RIW Qual. FW Qual. Time: 8,800 Hrs./Cbt 800 AM/39.

Bitecofer, Terrence E., (CW3) (M92) (Terry)



Route 3, Box 278B, Enterprise, AL 36330. S: Laury, Dyr. C-12 Pilot. RW Qual. Time: 5,000 Hrs./Cbt 50 AM/1.

Bittner, Daniel L., (CW3) (M87) 165 East Glenwood Drive, Clarksville, TN 37040. St. Louise. Dy: MH-6 Pilot, Ft. Campbell. Rtg: SAA IP.

Black, Frank M., (CW2) (M89) (Gus) A Co., 7-1 Avn. Regt., CMR 454, Box 2479, APO AE 09250, S: Andrea, Dy: A Co., 7-1 Avn Regt, Katterbach Germany, Rig: MTP, RW Qual. Time: 800 Hrs./Cbt 100 AM/2.

Black, Walter B., (CW2) (M91) 2219 Spindletree Drive, Fayetteville, NC 28304. Dy: (901) 366-6193. Res: (901) 423-2813. S: Tanja. Dy: B Troop, 1-17th Cay, Fort Bragg, NC, RW Qual. Time: 500 Hrs.

Blamey, William H., (MW4) (MB5) 2846 Sweet Gum Court, Woodbridge, VA 22192. S: Deborah. Dy: 377th Med Co (AA). Rtg: MAA IFE SIP IP. RW Qual.

Blankenship, Steven W., (CW3) (M84) (Steve) 3655 Pennyroyal Lane, Colorado Springs, CO 89096. Dy; (719) 579-2612. Res: (719) 576-5854. S: Jessica. Dy; AH-64 IP, B Co, 1-4 Avn, Fort Carson, CO. Hig: SAA IP. RIW Qual. Time: 2,000 His./ICbt 25 AM/2.

Boggs, Lawrence A., (CW4) (M82) (Larry) 219 Cherokee Trail, Hinesville, GA 31313, S. Elaine. Dy: Fort Stewart. Rtg: MAA. RW Qual. Time: 6,520 Hrs./Cbt 1,400 DFC, AM/10.

Belding, Randy L., (CW3) (M92) 807 Pembrook Place, Clarksville, TN 37042-5858. Dy. (502) 798-2609, Res. (615) 431-3141. S. Michele, Dy. MH-50K IP, 160th SOATC. Rtg: SAA IP MTP. RW Qual. Time: 2,000 Hrs./Cbt 78 AM/2.

Booth, Glenn D., (CW3) (M82) 142 Hagen St., Fort Bragg, NC 28307. Dyr. (919) 396-7776. Res: (919) 864-5029. St. Lois. Dyr. IP, UH-60A.L., NVG's, B Co., 2/82 Avn Bde. Rtg: SAA SIP. RW Qual. Time: 3,400 Hrs./Cbt 246 AW/2.

Borland, Sean M., (WO1) (M92) (Red) C Co, 4/501st Avn Regt, Unit 15007, APO AP 96208-0475. S: Sheila. Dy; AH1F Cobra Pilot, Camp Page, Korea. Rtg: AA. RW Qual. Time: 210 Hrs.

Bostic, Tracie E., (CW2) (M93) 2nd Bn, 2nd Avn Regt, B Co, Unit 15429, APO AP 96257-0462.

Bottom, Robert G., (CW2) (M91) (Bob) CMR 467, Box 6759, 159th Med Co (AA), APO AE 09096. S: Susan Dy: Aerometical Evacuation Pilot (Medevac Pilot), Germany. Rtg: AA. RW Qual. Time: 800 Hrs. AW1.

Bouchard, Jeffrey M., (OW3) (M92) (Jeff) 30 Stonehaven Dr., Newman, GA 30265. Dy. (404) 691-2500. Res: (404) 254-1773. S. Debra. Dy. U21 Pilot, FORSOOM Fit Det, Atlanta, GA. Rtg: SAA IP. RW Qual. FW Qual. Time: 2,700 Hrs.

Bowyer, Steven E., (CW3) (M83) 1144 Drennan Park, No. B, Fort Campbell, KY 42223-1213. Dy: (502) 738-2686. Res: (615) 431-4261. St. Dy: Avn Safety Off. Rtg: SAA IP, RW Qual. Time: 3.500 Hrs.

Bradford, Douglas S., (WO1) (M91) (Doug) 1541 Sunset Street, Barslow, CA 92311-5542. Dy: (619) 385-3086. Res: (619) 252-8229. S. Marjorie. Dy: 3/159th Avn Bn, Fort Irwin, CA. RW Qual. Time: 240 Hrs.

Bradflerd, Renald F., (CW3) (M83) (Skip) 348 Sunset Court, Cadiz, KY 42211. Dyr. (502) 798-6833, Res; (502) 522-8936. S: Candy. Dyr. 160th SOAR (Alrborne), Fort Campbell. Rig: SAM1. AMP. RW Qual. Time: 2,100 Hrs./Cbt 43 AM1.

B

Aviation Warrant Officer Directory

Braman, Gary D., (CW3) (M85) 62 Endl Street, Fort Rucker, AL 36362, S. Louise, Rtg. AA. RW Qual, FW Qual, Time: 2,600 Hrs. Life Member, 87 McClellan Award.

Brandll, Thomas S., (CW4) (M84) D Co., 502nd Avrt. Regt., Unit 29701, Box 31, APO AE 09028. S: Angle. Dy: Standardization IP. Rtg: SIP IFE. RW Qual. FW Qual. Time: 3,800 Hrs.

Brantley, Douglas K., (CW4) (M81) (Doug) 112 Fieldbrook Drive, Enterprise, Al. 36330, Dy; (205) 255-6834. Res: (205) 347-6218. S: Charlotte. Dy: Avn Safety Off, USAARL. Rtg: MAA SIP. RW Qual. FW Qual. Time: 6,300 Hrs. Past Chapter Officer.

Braun, Donald T., (CW3) (M89) (Don) 2902 Player Avenue, Sierra Vesta, Az 8885-6602, SP. (602) 538-5622. Res: (602) 378-1098. S. Yong Ok. Dy: RC-12 SPIE, B Co, 304th MI Bn, Fort Huachuca, AZ. Rtg: SAA SIP IFE. RW Qual. FW Qual. Time: 4,550 Hrs.

Breckons, Sanford D., (CW4) (M79) (Sandy) 718 Badger Circle, Harker Heights, TX 76543-6065. Dy: (817) 288-3947, Res: (817) 698-1150. S: Yvonne. Dy: Stds Officer, 6th CB (AC), Fort Hood. Rtg: MAA SIP IP IFE. RW Qual. Time: 4 250 Hes. AM17.

Breeden, Kenneth M., (CW3) (M90) (Ken) 3335 Rustburg Drive, Fayethrivie, NC 28303. Dy. (919) 396-3207. Res: (919) 487-9177. S: Wordy, Dy. Cdr., Command Avin Co, HHC, 1/159th Avin Regt, 18th Avin Bde, Fort Bragp, Rtg: SAA MTP. RW Qual. FW Qual. Time: 3,000 Hrs.

Brillant, Michael J., (CW2) (M92) (Mike) 908 Bramblewood Court, Fayetteville, NC 28314. Dy; (919) 396-4343. Res; (919) 864-49554. S. Anita. Dy; C Co. 1/82nd Avn Bde, Fort Bragg, NC Rig; SIP. RW Qual. Time: 1,650 Hrs JCbt 25 AM*1,V.

Broadaway, Joe F., (CW3) (M89) 307 Andrew Drive, Clarksville, TN 37042. Dyr. (615) 798-3644. Res: (615) 647-0607. S: Ruby. Dyr.Air Maintenance Tech., D Co. 2-101st Avn. Regt. AM/9.

Brooks, Richard I., III (CW4) (M93) (Rick) HHC, 4-229th AHR, CMR 416, Box 681, APO AE 09140. Dv; SSN 4674-6929, Res: 9847-79957. S: Mary, Dy; AH-64 Bn Safety Officer, Illesheim, GE, Rig; MAA, RW Qual, Time: 3,200 Hrs./Cbt 640 AM/24.3W.

Brooks, Robert A., (CWS) (M90) (Bob) RR 1, Box 43, New Brockton, AL 36351-9736. C(205) 255-3626. Res: (205) 347-0631. S: Holly, Dy: Night Vision System Manager, US Army Safety Center. Rig: IFE SIP. RW Qual. RW Qual. Time: 5.555 Hrs./Db 1,400

Brosnan, John F., (CW2) (M89) (Cruise) 6th Aviation Company, CMR 427, Box 331, APO AE 09630, Dy. DSN 694-7667, St. Jill. Dy: UH-1 IP, 6th Avn Co, Vicenza Italy. Rtg: AA IP. RW Qual. Time: 1,400 Hrs.

Brown, Clark W,Jr, (CW3) (M87) 6003-A Gannet Avenue, Ewa Beach, H 95706, Dy; (808) 684-0855, Res; (808) 493-1349, S: Melinda. Dy; SIPJ/IFE, B Co, 214th Avn Regt, NAS Barbers Point, H.I. Rg; SAA SIP IFE. RW Qual. Time: 3,800 Hrs./Cbt 100 Brown, Clifford L., (CW5) (M86) (Cliff) 205 Keirns Court, Ozark, AL 38380. Dy; (205) 255-4313. Res: (205) 774-0030. S: Dottle. Dy; Chief, AWO Personnel Proposency, Fort Rucker, AL. Rig: MAA FE SIP TP, RW Qual. Time: 6,000 Hrs./Cbt. 670 DFC/1, AWD

Brown, David R., (CW4) (M75) (Dave) P.O. Box 33104, Fort Lewis, WA 98433-5000. Dy. (206) 967-7131. Res: (206) 566-5506. Dy. RW, IPJRE, I Corps, Fort Lewis Rt Standards. Rtg. IFE IP, RW Qual. Time: 4,500 Hrs.

Brown, Keith W., (MW4) (M91) 52318-1 Biloxi Cir., Fort Hood, TX 76544. Dy. (817) 288-3825, Res: (817) 539-7602. Dy: Safety Officer ATB, RW Qual. Time: 6,000 Hrs./Cbt 900 AM/8,

Brown, Richard E., (MW4) (M65) 398 Grace Court, Richmond Hill, GA 31324. Dy. (912) 325-5912. Res: (912) 727-3436. S: Sharon. Dy. 224th Mil Bn (AE), HAAF, Savannah, GA. Rtg: MAA IP. RW Qual. FW Qual. Time: 5,700 Hrs./Cbt 1,100 DFC, AW26.

Brown, Robert L., (W01) (M91) (Bob) HSC 2-227th Avn, Unit 20195, Box 1326, APO AE 09165. Dy: DSN 322-7649. Res: 06183-3182. S: Margaret. Dy: HHC, 2/227th Avn, Flegerhorst Kaserne, Hanau Germany. Rtg: AA. RW Qual. Time: 300 Hrs.

Brown, Rod A., (CW2) (M89) 1445A Werner Pk, Fort Campbell, KY 42223-5000. Dy: (502) 798-5669. Res: (615) 431-6381. S: Julie. Dy: Plot, US Army. RW Qual. Time: 750/Cbt 75 AM/2.

Brown, Warren E., (CW2) (M92) P.O. Box 10003, Clarksville, TN 37042. Dy: (502) 798-6490. Res: (615) 551-3593. Dy: C Co. 1-101st Avn Regt, Fort Campbell, KY. RW Qual. Time: 710 Hrs./Cbt 40 AM/3.

Brown, Wayne E., (CW3) (M88) 207th Avn. Co., Unit 29231, Box 95, APO AE 09102.Dy: DSN 370-7660. Res: 06204-74556. Dy: Pilot, Heidelberg Army Airfield FRG. Rhg: IP. RW Qual. FW Qual. Time: 2.500 Hrs./Cbt 180 AMV1.

Buchanan, James R., (CW2) (M89) (Buck) PSC 1, Box 5099, APO AA 34001. Dy; 507/84-5357. Res: 507/82-3291. St. Lynne. Dy; B Co, 1-228th Avn, Pt. Kobbe, Panama. RW Qual. Time: 650.

Buck, Stanley J., (CW3) (M89) A Company, 7-227th Avn Bn, Unit 20197, Box 42, APO AE 09165. S: Jean. Dy: Bn Safety, Hanau, Germany. RW Qual. Time: 1,500 Hrs.

Bugg, Larry C., (CW3) (M92) P.O. Box 403, Fort Rucker, Al. 36962. Dy. (205) 255-6591. Res: (205) 598-8700. Dy: Senior Platoon Ldr. Rtg: IP. RW Qual. Time: 3,000 Hrs.

Bulger, Bruce E., (CW4) (MS2) (Bruce) 494 Wyn Drive, Newport News, VA 23602. Dyr. (804) 878-1648. Ress. (804) 887-8943. St. Leslie. Dyr. USAALS, Pt. Euslis. Rtg: MAA SIP IP MTP. RW Qual. Time: 2,800 Hrs./Cbt 55 AM/2.

Buillinger, Christopher, (CW3) (M90) (Birl) 128 Boyd Dr., Richmond Hil, GA 31324. Dy: (912) 352-8293. Res: (912) 756-4926. S: Nadine. Dy: Fr24th Avn Hegt. Rig: MTP. RW Qual. Time: 1,450 Bushave, Bishard W. (CMS) (M20) (Bish) 78th

Burbank, Richard W., (CW5) (M70) (Rich) 78th Avn Bn, Unit 4500, Box 3, APO AP 96343, Dy. 011/81-3117-263-4243, Res: 011/81-3117-267-6212, St. Eansa, Dy. Battalon Standardzation Officer, Camp Zama, Japan, Rbg: MAA IFE, RW Qual, FW Qual, Time: 8,600 Hrs./Cbt 1,200 DFC1,AM1,1V.

Burgess, Ronald E., (CW4) (M76) (Ron) P.O. Box 73942, Fort Bragg, NC 28307-3942. Dy: (919) 396-7478. S: Linda. Dy: 1-229th ATKHB (Awn), Battalon Master Gunner. Rtg: MAA IP SIP.



RW Qual. Time: 5,200 Hrs./Cbt 300 AM/6. Life

Burk, James E., (CW2) (M82) (Jim) HHT 6-6 Cavalny, CMR 416, Box 369, APO AE 09140. S. Mary Lou. Dr.; UH-60 Maint. Test Plot. Rtg: AA TP MTP. RW Qual. Time: 1,700 Hrs./Cbt 35 Bushek, Thomas J., (CW3) (M87) 1127 Server Drive, Colorado Springs, CO 80910-2032. Dy: (719) 579-2753. Res: (719) 520-1027. S. Andrea. Dy: CH-58A/C SIP, A Co., 1-4th Avn Regt. Rg: SAA SIP. RW Qual. Time: 3,300 Hrs.

Butler, Michael D., (CW4) (M93) (Mike) 605 Cagle Ln., Harker Heights, TX 76543. Dy. (817) 288-9087. Res: (817) 650-6375. S: Oynthia. Dy. Standon. Off. 1-227th Avn. Bn. 1st CD. Rig: IFE. RW Qual. Time: 4,000 Hrs./Cbt 50 AM/1.

Butts, Gerald W., (CW4) (M90) (Jerry) 202 Winter Park Place, Elizabethtown, KY 42701-8397, Dy; (502) 624-4756, Res; (502) 769-2739. S; Lil. Dy; C12 IP, OSA-KY Fit. Det. Fort Knox. Rig: SIP. RW Qual. FW Qual. Time: 6,500 Hrs.

CCCCCCCCC

Cabrera, Jose, (CW3) (M93) P.O. Box 620086, Fort Rucker, AL 36362. Dyr. (205) 255-6233. St. Rosa. Dyr. School of the Americas, Fort Rucker. Rtg.: IP MTP. RW Qual. Time: 3.200 Hrs.

Cain, Redney E., (CW3) (M83) (Rod) 65 Endl Avenue, Fort Rucker, AL 36362. Dy. (205) 255-6056. Res: (205) 598-8773. St. Lisa. Dy. SP, C/1-223rd Avn Regt. Rtg: SAA SIP. RW Qual. Time: 3.500 Hrs.

Celeman, John H., (CW4) (M81) EAATS-FSD, C/O DMA, Annville, PA 17003-5004. Dy: (717) 858-8686. Res: (717) 938-8761. St. Lynn. Dy: IFE, EAATS. Rtg: SAA IP IFE. RW Qual. Time: 2 000 Hrs.

Calkins, Martin A., (CW2) (M89) N Troop, 4/11 ACR, Unit 20804, APO AE 09146. S. Janet. Dy: Fulda, Germany. RW Qual. PW Qual. Time: 700. Callahan, Brian D., (CW3) (M85) 339 Osprey

Callahan, Brian D., (CW3) (M85) 339 Osprey Drive, Richmond Hill, GA 31324, Dy; (912) 352-5381, Res: (912) 756-5596; S: Caroline, Dy; AH-64 IFE/IP, A Co, 1-24 AHB, Rtg; SAA IP IFE, RW Qual. Time: 2,300 Hrs.

Callaway, Kevin J., (CW2) (M32) (Mongo) S Troop, 4/11 ACR, Unit 20804, 8bx 171, APO AE 09146, Dy: 01149/61-86 568. Res: 01149/65656579. S: Jenniter. Dy: UH60 Maint Test Pilot. RW Qual. Time: 1,500 Hrs./Cbt 60

Campbell, Richard E., (CW4) (M82) (Rick) 104 West Sandcreek Road, Enterprise, Al. 36330. Dy; (205) 255-5587. Res: (205) 347-1261. S: Cyrithia. Dy; Ops Officer, AFIAS Br, Fort Rucker, AL. Rig: MAA IFE IP. RW Qual. RW Qual. Time: 8.900 Hrs. LDt 990 DFC2 AM1. TV.

Carlsen, John D., (CW4) (M91) Aviation Detachmnt Berlin, Unit 26777, APO AE 09235, Dy: DSN 332-5460. S: Conrie. Dy: instrument Examiner, Berlin Bde Avn Det. Rig: MAA IFE IP. RW Qual. FW Qual. Time: 6,500 Hrs. Senior Vice President. Checknotin Charlie Chanter.

Carr, Robert W., (CW3) (M93) 1701 Ronstan Drive, Killeen, TX 76542. Dy: (817) 288-9895. Res: (817) 554-3794. S. Lisa. Dy: A Co., 15th MI Bn, Fort Hood, TX. Rig: SIP IFE MTP. RIW Qual. PW Qual. Time: 3,300 Hrs./Cbt 150 AW1.

Carr, Tyrus R., (CW4) (M81) (Ty) 1332-A Normandy Court, Fort Wainweight, AK 99703. Dy: (907) 353-6874 Pet: (907) 356-7675. S. Susan. Dy: 4-9 Cav Sgdn. Pitg: MAA SIP TP IFE. Time: 7,900

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Aviation Warrant Officer Directory

Hrs./Ctt 1,800 DFC, AW32. Past Chapter Officer. Carson, Michael T., (W01) (M91) P.O. Box 354, Evans Mills, NY 13637. Dy. (315) 772-6220. Res: (315) 629-4371. Dy: A Co, 3/25th AHB, Fort Drum, NY. RW Qual. Time: 300 Hrs.

Cash, Guy W., (CWZ) (M89) (Chip) 709 West Avenue G. No. 34, Nolanville, TX 76559. Dy: (617) 288-5427. Dy: UH-1H Instructor Pilot, B Co. 3/502nd Avn, 2nd AD, Fort Hood, TX. Rig: IP. RW Qual. Time: 1,500 Hrs_/Cbt 200 AM/1.

Chambers, Todd R., (CW2) (M91) 1871 Red Fox Trail, Clarksville, TN 37042. S: Tracia. Dy: 8-101st Avn.

Chasteen, Mark R., (WO1) (M91) (Chaz) 1039 Dogwood St., Apt. 7, Fort Wainwright, AK 99703. Res: (907) 356-3398. S: Michelle. Dy: CH-47D Pilot, C Co, 228th. RW Qual. Time: 450 Hrs.

Chenault, Richard K., (CW2) (M88) (Rich) 102 Salem Court, Clarksville, TN 37042, Dy. (502) 798-3906. Res: (615) 647-9503, S. Nancy, Dy. C Co, 2/101st Avn, Fort Campbell, KY, Rtg. AA. RW Qual, Time: 800 Hrs.

Cheate, Donald R., (CW3) (M90) (Don) 5957 A. Harrell Street, Fort Polk, LA 71459. Dy; (318) 531-7162. Res; (318) 537-9778. St. Loren. Dy; 36th Med Det. Rig; SAA MTP. RW Qual, Time: 1,820 Hrs, JOht 40

Chumley, Lowell C., (CN/2) (M92) D Troop, 5/17 Cav, Unit 15038, Box 185, APO AP 96224-0217. Dy: 011 82-351-869-4900. Res: 011 82-351-869-6662. Dy: 014-58 MTP, HQ Platoon Leader, F Troop, 5/17th Cav, Camp Mobile Korea, Rig: MTP, RW Qual. Time: 2,200 Hrs./Cbt.30 AM/1.

Church, William A., (CW4) (M79) (Bill) HHC, 5/501st Avn. Rept., Unit 15567, APO AP 96297-0626. Dy: Aeroscout SIP, Camp Eagle Korea. Rtg: SAA SIP. RW Qual. Time: 5,284 Hrs.

Clapp, Mark A., (CW2) (M91) (Clapper) O Troop, 4/11th ACR, Unit 20804, Box 541, APO AE 09146. Dy: 01149/661-86688. Res: 01149/661-47932. Dy: 0H58D Aviator. Rtg: AA, RW Qual. Time: 350 Hrs.

Clark, Daniel E., (CW4) (M62) 612-8 Brittany Place, Fayetteville, NC 28314-0821. Dy: (919) 396-7501. Res: (919) 867-2649. Dy: Simmons Army Airfield Safety Officer, Fort Bragg, NC. Rtg: MAA. RW Qual. Time: 2.600 Hrs./Cbt 67 AM1.

Clark, Nell D., (CW4) (M87) 6306 Bridgeton Court, Springfield, VA 22152. Dy. (703) 664-4789. Res: (703) 866-3944. St. Jan. Dy. Analysis Chief, S-3, OSAC, Rt. Belvoir, Rtg: SIP. RW Qual. Time: 4,000 Hrs./Cbt 350 AM7.

Clark, Robert L., (CW3) (M98) (Bob) Aviation Detachment, Unit 26777, APO AE 09235, Dy: 07930 819-5450, S: Paula, Dy: IP, Berlin Rt Det. Rig: SAA IP, RW Qual, Time: 3,500 Hrs.

Clarke, Paul H., (CW3) (M77) 125 North Clinton Street, Carthage, NY 13619-1214, Dy; (315) 772-3350, Res: (315) 435-7947, St Elaine, Dy: Standardization Officer, 3/17 Cav., 10th Mtn Div, Fort Drurn, NY. Mg; MAA SIP IFE, RW Qual. Time: 3,100 Hrs. Past Chapter Officer.

Coakley, Patrick J., (WO1) (M91) (Pat) B Co.

5-501st Avn Regt, Unit 15666, Box 169, APO AP 96297-0666, Dy. 722-2314, Res. 721-2314, Dy. AH-1F Pilot Armament Officer. RW Qual. Time: 300 Hrs.

Coates, David A., (CW4) (M72) (Dave) 90518 Bassett Drive, Fort Drum, NY 15603. Dy; (315) 772-3402. Res; (315) 773-4350. S: Patricia. Dy: Brigade Standardization Officer. Rtg: MAA IFE SIP IP TP. RW Qual. Time: 4,490 Hrs./Cbt 700 AM/27, Past Chapter Officer.

Coder, D. Robert, (CW4) (M85) (Bob) 443 Baldwin Rd., Wahlawa, HI 96786. Dyr. (Bo8) 656-1114. Res: (88) 624-2072. S. Toica Dyr. Am Bde, 25th ID (L), Wheeler Army Airfield, HI. Rtg: MAA. RW Qual. FW Qual. Time: 5.200 Hs./Db: 950 Past Chapter Offic. 86 MCJellan Awrd.

Coker, Greg S., (CW2) (M99) (Cowboy) 2085 B Werner Park, Fort Campbell, KY 42223. Dy: (502) 798-2744. Res: (615) 431-3815. S: Cecilia. Dy: Pilot AH-64, A Co., 1-101st Avn Regt, Fort Campbell, RW Qual. Time: 700 Hrs.

Ceker, James E., (CW3) (M93) (Eddie) 634 Manning Dr., Copperas Cove, TX 76522, Dy. (817) 288-9895, Res: (817) 547-1472. St. Kelly. Dy. A Co, 15th MI Bn, 504th MI Bde, Rtg: SAA SIP, RW Qual. PW Qual. Time: 3,900 Hrs./Cbt.40 AM/1.

Coleman, George L., (CW4) (M53) P.O. Box 60038, Savannah, GA 31420-0038. Dy; (912) 352-5171. Bes: (912) 925-1860. S: Marcia: Dy: B Co, 224th MI Bn, 224th MI BN, Hunter AAF, IP RC-12N. Rig: MAA MTP SIP, RW Qual. FW Qual. Time: 5.800 Hrs./Cbt 450 AM/11.

Coleman, James T., (CW3) (M91) (J.T.) 205 Loyola Crive, Enterprise, AJ 36330. Dy; (205) 255-4212, Res; (205) 332-2699. S; Josephine. Dy: Instructor Pilot, A Co, 1-212nd ATB, Fort Rucker, Rig: SAA IP, RW Qual, Time: 3,000 Hrs. Confer, Michael L., (CW3) (M92) (Mike) 24 Wheeler Avenue, Fort Stewart, GA 31313. Dy; (912) 352-5168. Res: (912) 876-7003. S; Omalda. Dy; Helicopter Pilot, Rtg: AA, RW Qual. Time: 1,950 Hrs.

Conlin, Mark W., (WO1) (M92) (Norm) 12749 82nd Pl. North, Maple Grove, MN 55389, S. Lora. Dy: 011-82-361-59-5969. Res: 011-82-361-59-5566. Dy: A Co. 4-501st Avn, Camp Page, Korea. RW Qual. Time: 1571h Med Co. (AA), Unit 15517, APO AP 96218-0563. S. Jin. Dy: Avn Safety Officer, Taegu, Republic of Korea. RW Qual. Time: 1.500 Hsr./Db 15 AW1.

Conner, William C., (CW3) (M82) (Bil) 39 Boyce Ln., Fort Rucker, AJ. 36362, Dyr. (205) 255-5223, Res: (205) 598-1875. S: Kim. Dyr. C. Co., 1/223rd Avm., Rig. AA SIP. RW Qual. Time: 3,000 Hrs. Considine, Geoffrey A., (CW4) (M92) 28 Sonora Parkway, Rochester, NY 14518-1314. Dyr. (716) 783-5400, Res: (716) 244-9774. S: Laurie. Dyr. Avin. Safety Off/Instructor Pilot. Rig. SIP. RW Qual. FW Qual. Time: 4,800 Hrs./Cbt 1,119 DFC/1, AW444.

Cook, Deren L., (WO1) (M92) 38 Sheridan Street, Fort Rucker, AL, 36362-2141. Dyr. (205) 255-6117. Res: (205) 598-3813. S; Jodi. Dyr. & Troop, 2/229th AHR. RW Qual. Time: 120 Hrs.

Cook, George W., (CW3) (M89) (Billy) 702 Clayton, Clarksville, TN 37040. Dyr. (502) 798-5540. Res: (615) 648-3465. S: Sondra. Dyr. Art-160 SOAR, Fort Campbell. Rtg: IP. RIW Qual. Time: 3,000 Hrs.

Correa, Luís F., (WO1) (M92) 5526 Old Seguin Road, San Antonio, TX 78219-1043. Dy: (919) 396-8583. Res: (919) 630-0934. S: Claudia. Dy: A Co, 1st Bn, 82nd Avn Bde, 82nd Abn Div, Fort Bragg, NC. RW Qual. Time: 300 Hrs.

Costello, John A., (CW4) (M93) PSC 1, Box 1343, APO AA 34001. Dy: (507) 284-3203. Res: (507) 260-8889. S: Kathy. Dy: Pilot, Rtg: MAA. RW Qual. FW Qual. Time: 9,000/Cbt 50 AM/1.

Courneyer, Marc P., (CW3) (M88) (Marcus) 125 North Harris Road, Fort Rucker, Al. 36362, Dy: (205) 255-3551. Res: (205) 598-1140. S: Sally Louis. Dy: AH64 Gunnery Instructor Pilot, D Co. 1-14th Avn. Rtg: SAA IP. RW Qual. Time: 2,700 Hrs./Cbt 130 AM/2

Cousins, Lennie V., (CW3) (M89) (Len) Army Aviation Det., Unit 26777, APO AE 08235, Dyft: ETS 332-5411. Res: 011 17930 8012446. S: Annette. Dy: Avn Safety Officer, Berlin Army Avia-tion Dtcht. RW Qual. Time: 1,800 Hrs.

Cowan, Aaron W., (WOC) (M92) A Co., 4/501st Awation, APO AP 9620B, RW Qual. Time: 275 Hrs. Cox, Robert E., (CW3) (M87) (Bob) 102 Oakland Drive, Enterprise, Al. 36330-1586. Dy: (205) 255-5844. Res: (205) 393-3650. S: Glenda. Dy: WriterInstructor, WD Career Center. Time: 2,000.

Crawford, James N., (WO1) (M91) 107 Cambridge Drive, Savannah, GA 31419-9448. Dy: (912) 352-6036. Res: (912) 920-0164. S: Karen. Dy: B/1-24 Avn, HAAF, GA. RW Qual. PW Qual.

Time: 825 Hrs.

Crosby, John E., (CW3) (M90) (Cros) HHC, 2/227th Avn., Unit 20195, Box 1306, APO AE 09165. S: Danette. Dy: UH-60A Maintenance Test Pilot, HHC 2-227th Avn. Regt., Rtg: MTP. RW Qual. Time: 1,900 Hrs./Cbt 150 AM/1.

Croslin, Michael E., (CW2) (M92) (Crash) 2502 New Bacon Ranch Road, Apt. 1003, Killeen, TX 76542, Dy. (817) 287-1620. Res. (817) 628-7960. Dy: 1-227TH Aviation. RW Qual. Time: 700 Hrs./Cht. 30. AM/2.

Crothers, Sean C., (CW3) (M87) B Co., 2-501st Avn. Regt, Unit 15212, APO AP 96271-0148, Dv. 753-695. Res: 0333 @1-1837. S: Son Mi. Dy: UH-1 IP, Camp Humphreys, Korea. Rtg: SAA IP. FIW Qual. Time: 3,300/Cbf 150 AM/3. Life Memb.

Cryer, Robble L., (CW4) (M87) 150 Rue Grand, Lake St Louis, M0 63367. Dyr. (314) 263-5855. Res: (314) 625-4152. St Juliet. Dyr. Systems Mgr., ATCOM, St. Louis, Rtgr. MAA MTP, FW Qual. FW Qual. Time: 4,000 Hrs./Cbt 500 AM/7.

Cunningham, Gary L., (CW2) (M93) B Co. 7-1 Avn., CMR 454, Box 2553, APO AE 09250, Dv: 4672 620. Res: 011499 802-7735. S: Mary. Dy: Pllot, B Co. 7-1 Avn, Katterbach Germany. RW Qual. Time: 1,150 Hrs./Cbt 75 AM/2

Cupit, Randy E., (CW2) (M91) (Bear) 1815 Olimstead Drive, Bidg. 225, Apt. A, Watertown, NY 13601. Dyr. (315) 772-6399. St. Ann. Dyr. UH-60 Pilot, B Co., 3-25th AHB, Fort Drum, NY. RW Qual. Time: 750 Hrs.

DDDDDDDDDD

Dahlstrom, David B., (CW4) (M83) 3422 47th Street Ct NW, Gig Harbor, WA 98335. Dy. (206) 967-2239. Res: (206) 851-2155. S: Donna. Dy: Det Stads Officer, WA OSA Pt. Det, Fort Lewis, WA. Rtg: MAA SIP IFE. RW Qual. PW Qual. Time: 7,500 Hrs. Past Chapter Officer.

Dalton, Alan F., (CW2) (M89) 902 Hartell Drive, Colorado Springs, CD 80911-3509. Dy. (719) 579-2461. Res. (719) 392-0423. Dy. 1530, EH-60 Pilot, D Co, 4th CAB. RW Qual. Time: 1.500 Hrs.

Aviation Warrant Officer Directory

Daly, Peter M., (CW4) (M75) B Company, 1st MI Bn., CMR 430, Box 797, APO AE 09096. Dy: 337 5250/5083. Res: 06131 368681. S: Marlene. Dy: Standards, Wiesbaden AB Germany. Rtg: MAA. Time: 8 000 Hrs./Cbt 684 DFC2.AM2.1V.

Damell, William T., (CW4) (MS3) (W.T.) HO, 11th Avn Bde, CMR 416, Box 1064, APO AE 09140. S: Elaine. Dy. OH-580 Std IP, Glebelstadt, Ger-many, Rtg. Stp. RW Qual. FW Qual. Time: 8,000 Hrs./Cbt 2,000 AW/1V OLC/72.

Davis, Cleferd F., (CW2) (M93) (ChillyD) 3520-A Kaneli Loop, Wahiawa, H. 96786. Dy. (86) 656-1347. Res: (808) 624-5548. S: Gene. Dy. HHC, 1-25th Avn Regt, Schofield Barracks, Hl. RW Qual. Time: 1,350 Hrs.

Davis, John P., (CM2) (M92) B Troop, 2-6 Cavalry, CMR 416, Box 304, APO AE 09140, Dy. DSN 4574 504. Res: 09841 80173, S: Mary, Dy. Biesheim, Germany. Rtg: IP. RW Qual. Time: 1,000.

Davis, Robert E., (CW3) (M92) (Bob) HHC, 2/227th Avn Regt, Unit 20195, Box 1435, APO AE 09165. Dy. DSN 322-7758. Res: 06181-55634. S: Kay. Dy: Bn Safety Tech, Hanau

Dawson, Michael J., (CW2) (M87) (Mile) HHC 6 ASG-Rt Det, CMR 423, Box 1301, APO AE 09107. Dy: DSN 421 4265. Res: 0711 854351. S: Kim. Dy: C-12/UH-1 Pilot, EUCOM Flight Detachment, Stuffgart Army Airfield. Rtg: SAA IP. RW Qual. FW Qual. Time: 2,200 Hrs.

Dean, Kelly D., (CW3) (M92) A Co, 7/227th Avn., Unit 20197, Box 223, APO AE 09165, Dy. 322 7737. Res: 06 181 55188. S: Linda. Dy: 1st Armor Div, Hanau Germany. Rtg: IFE SIP. RW Qual. Time: 3,000 Hrs./Cbt 90 AM/1.

Dehr, Lester F., (CW3) (M92) D Company, 502nd Aviation Regiment, APO AE 09028, Dy. 49 621 779 5375, Res: 49 6253 21943, S. Laura, Dy. Mannheim, Germany. Rtg: MTP. RW Qual. Time: 2,100 Hrs./Cbt 20 AM/2

Delo, Paul K., (CW3) (M91) (Skip) 101 Pawnee Dr., Enterprise, AL 36330, Dy: AV 753-7433, Res: (205) 393-2185, S: Teresa, Dy: A Co, 3rd Mi (AE), Rtg: SIP. RW Qual. FW Qual. Time: 3,200 Hrs. Denardi, Sam W., (W01) (M91) 1203A Werner Park, Fort Campbell, KY 42223-1123, Dyr. (502) 798-5669, St. Denise, Dyr. UH-60 Pilot, B Co., 4/101st. RW Qual. Time: 550 Hrs.

Deshotel, Ronald W., (MW4) (M91) 81 Pear, DeRidder, LA 70634. Dy. (318) 531-1867. Res. (318) 462-5428. St. Linda. Dy. Standardization Officer, Aviation Brigade. Rtg: IFE SIP. RW Qual. Time: 5.000 Hrs./Cbt 135 AM/2.

Desroches, Pierre, (CW2) (M85) 1032 Hilshire Drive, Clarksville, TN 37043. Dy. (502) 798-3343. S: Lisa. Dy: Pllot, Task Force 160th, Fort Camp-bell, KY. Rtg: AA. RW Qual. Time: 2,200 Hrs. Dew, Dale T., (CW2) (M93) A Troop 6-6 Cavalry, CMR 416, Box 399, APO AE 09140, Dy; 011 49 9841 83 406. Res: 011 49 9841 79967. S: Kim. Dy: AH-64 Pilot - A Troop 6-6 Cavalry, Illesheim, GE, RW Qual, Time: 800 Hrs. AM/1.

DeWitt, Donald C., (WOC) (M91) 12 Baker St., Fort Rucker, AL 36362. Dy. (205) 255-3502. Res: (205) 598-4792. S: Kimberly. Dy: Pllot/Air Traffic Controller, RW Qual, Time: 200 Hrs.

Deye, Paul S., (WO1) (M93) (Goofy) Tiara Park Lot 7, Fort Rucker, AL 36362-5096. Dy. (205) 255-3516. Res: (205) 598-1392. S: Lynn. Dy: B Co. 1-145th Avn. RW Qual. Time: 200 Hrs.

Diaz, Scott C., (WO1) (M91) 3717 D McComack Road, Wahiawa, H 96786. Dy. (808) 656-2562. Res: (808) 624-1773. S: Janet. Dy. UH-60 Aviator, B Co, 4/25th Avn Regt. RW Qual. Time: 600 Hrs.

Dickson, Richard E., (CW4) (M88) (Rich) A Co (Fwd) 3/501st Avn Rg, Unit 15566, APO AP 96297-0625. Dy, Ot1 82 371 8 2266. Rss. 011 82 371 8 2760. Dy, Avn Nairt, Ottor, Carop Eagle, Korea. Rtg: MAA MTP. RW Qual. Time: 3,380.

Dionne, Roger P., (CW2) (M89) (Page) 2051-B Werner Park, Fort Campbell, KY 42223-5000. Dy: (615) 798-4565. Res: (615) 431-5445. S: Dear na. Dy: UH-1 Pilot, A Co, 6-101st Avn Regt. RW Qual. Time: 780 Hrs./Cbt 42 AM/2.

Dize, Jesse N., (MW4) (M93) 303 Broken Bridge Road, Yorktown, VA 23692-4712. Dy: (804) 878-3482. Res: (804) 898-1137. S: Sheila. Rtg: MAA IP MTP, RW Qual. Time: 4,000 Hrs./Cbt 936 3DFC.22AM, V

Dodd, Charles E., (WO1) (M91) (Charlie) CMR 416, Box 1046, APO AE 09140. Dy: 467 4617. Res: 09841 79 719. S: Betina. Dy: AH-64 Pllot, C Co. 4/229th AAHR, Illesheim Germany. RW Qual. Time: 400 Hrs.

Dodsen, Donald A., (CW2) (M89) 23 Montleth Lane, Fort Rucker, AL 36362-2312. Dy. (205) 255-3223. Res: (205) 598-2397. S: Cindy. Dy: OH-58 A/C IP, B Co, 1-212th Avn. Rtg: IP. RW Qual. Time: 1,000 Hrs.

Donahue, Kenneth A., (MW4) (M71) (Doc) Phantom Corps VP Programs, 6814 Rose Street, Fort Hood, TX 76544. Dy. (817) 287-7757. Res: (817) 539-2000. S: Carmen. Dy: AH64SP (Project Officer), Combat Aviation Training Brigade. Rtg: MAA SIP. RW Qual. Time: 5,400 Hrs./Cbt 150 DFC, AM/5. Life Member. Vp., Programs, Phantom Corps Chapter. Past Chapter Officer.

Dorris, Tommy L., (CW3) (M92) (Tom) 4101 Witty Lane, Hopkinsville, KY 42240. Dy: (502) 798-7717. Res: (502) 885-9160. S: Jean. Dy: F Co., 1st Bn., 160th SOAR, Fort Campbell, KY.

Dotterer, Jack H., (CVV4) (M76) (Jack) 627 Pad-dy Run Rd., Clarksville, TN 37042. Dy. (502) 798-5671. S: Pat. Dy. HQ, 160th SQAR, Fort Campbell, Rtg: MAA TP. RW Qual. Time: 5,800 Hrs./Cbt 1.066

Dougherty, James J., (WO1) (M91) (Doughru) 515 Linda Ln., Clarksville, TN 37042. Dy. (615) 798-2202. Res: (615) 646-0621. Dy. A Trp. 2917th Cav, Fort Campbell, KY, RW Qual. Time: 700 Hrs. Dougherty, John R., (CW5) (M75) 7840 Kingsbury Road, Alexandria, VA 22310. Dy: (703) 806-7005. Res: (703) 971-8033. S: Grace. Dy: Command Safety Officer, OSAC, Fort Belvoir, VA. Rtg: MAA. RW Qual. FW Qual. Time: 4,800 Hrs./Cbt 800 AM/16.

Douglas, Joe A., (CW4) (M92) (BobDawg) 1988 Norwood Trail, Clarksville, TN 37043. Dy. (502) 798-9422. Res: (615) 647-9655. S: Brenda. Dy. Regt Fli Stands Off/160th SOAR(A), Fort Camp bell, KY. Rtg: MAA SIP. RW Qual. Time: 5,000 Hrs./Cbt 700 DFC/1, AM/22.

Dowling, Cary P., (CW2) (M93) C Co. 1-2nd Avn. Regt., Unit 15434, APO AP 96257-0480. S: Martine. Dy: AH-1F Pilot. RW Qual. Time: BOD.

Driggers, Brent C., (CW3) (M92) 406 Corinne Drive, Clarksville, TN 37040, Dy. (502) 798-5944.

Res: (615) 648-9325. S: Bonnie. Dy: Standardization Instr Pilot, 4/101st Avn Regt, Fort Campbell, KY. Rtg: SAA IFE SIP, RW Qual. Time: 2,925 Hrs./Cbt 50 AM/2.

Driscoll, John P., (WO1) (M91) (Boonie) 7/227 Am. Regt. BKAD, CMR 438, Box 2139, APO AE 09111. Dy: 011-49-671-609-6173. Res: 011-49-671-76741. S: Mara. Dy: UH-1 Plot Bad Kreuznach Avn Det. Roz. AA. RW Qual. Time: 480 Hrs.

Duffiney, Robert J., (CW2) (M81) (Duff) 314 Candlewood Drive, Clarksville, TN 37040. Dy. (502) 798-3970. Res: (615) 647-2728. S: Frances Mar. Dy. 152F10 AH-64, B Co, 2-101ell. Rtg: AA. RW Qual. Time: 700 Hrs./Cbt 30 AM/1.

DuMond, Chauncey A., (CW4) (M91) (Chance) 6333 Del Monico, Colorado Springs, CO 8031-0y; (719) 579-3672. Res: (719) 599-3704. S: Christa. Dy: Brigade Avn Safety Officer, Fort Carson, CO. Rig: SAA IP: RW Qual. FW Qual. Time: 9 200 Hes. 70b 800 AM7.

Duntzee, William J., (WO1) (M92) (Crocod) 301 W. 16th Avenue, Anchorage, AK 99501-5011. Dy. (907) 384-2527. Res: (907) 272-2890. Sr. Victoria. Dy. 8 Co., 4/123rd Avn, Fort Richardson, AK, RW Qual. Time: 268 Hrs.

Duplessis, Troy L., Jr. (CW4) (M65) 1188-A Drennan Park, Fort Campbell, KY 42223. Dy. (502) 798-6781. Res: (615) 431-4282. C Carolyn. Dy. HHC 101/Avn BSW UH-60A SIP/IFE, Div Ft Stand, Rtg: MAA IFE SIP. RW Qual. Time: 5,600 Hrs./Cbt 880 Past Chapter Officer.

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Earwood, Charles M., (CW4) (M84) HHC 11th Aviation Bde., CMR 416, Box 1214, APO AE 09140-5000. S: Diane. Dy: Bde Actt Maint Off. Rtg: AA IP MTP, RW Qual. Time: 2,200 Hrs.

Eckman, Jeffrey A., (CW2) (M92) PSC 1, Box 4917, APO AA 34001. S: Sylvia. Dy: A Co, 1/228th Avn, Fort Kobbe, Panama. RW Qual. Time: 750 Hrs.

Edwards, Renald A., (MW4) (M70) Old Bill Chapter Pres., 3113 Jarvis Street, El Paso, TX 79935. Dyr. (915) 568-9073. Res. (915) 593-1709. Dyr. Sqdn Sfty Ofcr, HHT, 4th Sqdn, 3 ACR. Rig; MAA SIP IP. Time: 4,400 Hrs./Cot 500 DFC/1, AM/1. President, Old Bill Chapter. Past Chapter Officer.

Edwards, William T., (CW3) (M77) (Bill) P.O. Box 1101, Clayton, GA 30525. Dy: (404) 656-6019. S: Terri. Dy: Instructor Pilot. Rtg: SIP. RW Qual. Time: 3,500 Hrs.

Eldem, Jon C., (CW2) (M87) 238th Medical Company, AA, CMR 402, Box 1630, APO AE 09180. Dy: DSN 486-83318134. Res: 0049 6371-64490. Dy: UH60 Medevac Pilot, Landstuhl, Germany. Rig: AA, RIW Qual, Time: 1,400 Hrs./Cbt 22

Elkington, John S., (CW2) (M89) P.O. Box 73626, Fort Brago, NC 28307. Dyr. (919) 395-7478. Res: (919) 630-0490. Dyr. AH64 Plot in Command, A Co. 1-229th ATK-IR (Airborne). Rtg: AA. RW Qual. Time: 720 Hrs.

Elliott, Joseph P., (CW2) (M96) Washington DC Chap VP Mem, 1531 Colonial Dr, No. 101, Woodbridge, VA 22192-2431, Dy. (703) 806-7042. Res: (703) 497-4644. Sr. Anne. Dv. RW PAT OSAC, Fort Belvoir, VA. Rtg. SAA: RW Qual. Time: 1,700 Hrs. Vp, Membership Enrollment, Washington DC Chapter. Past Chapter Officer.

Englund, Robert K., (CW3) (M83) (Bob) 19 Bar-

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Aviation Warrant Officer Directory

rington Circle, Savannah, GA 31419. Dyr. (912) 352-5171. Res: (912) 921-0298. St. Pam. Dyr. B Co, 224 Mil Bn (AE), Hunter AAF. Rig: SAA SIP. RW Qual. FW Qual. Time: 3,300 Hrs.

Ertsgard, James M., (CW2) (M88) (Jim) C Co, 7/158th, Unit 29630, CMR 467, Box 5435, APO AE 08096. Res: (518) 583-9539. S: Margaret. Rtg: MTP, RW Qual. FW Qual. Time: 1,500 Hrs. JCht 55

Eskridge, John L., (CW2) (M91) 604 Pine Cove Circle, Leesville, LA 71446. Dyr. (318) 531-2838. Res: (318) 537-1051. S: Debbie. Dyr. AH-64 IP, A Co., 1-502nd Avn., Ft. Polk, LA. Rtg: IP. RW Qual. Time: 900 Hrs.

Evans, Clifford J., (CW3) (M84) (Cliff) 22 Sandown Road, Savannah, CA 31419. Dy; (912) 353-2669. Res; (912) 927-2897. S: Suzanne. Dy: Instrument Flight Examiner, Asst Stds Off, B/3-24th Avn Rept. Rtg: SAA IP IFE. RW Qual. Time: 3,000 Hrs.

Evans, Todd E., (WO1) (M92) 5890 Bandolero Drive, Apt. 1118, El Paso, TX 79912-6642. Dy: (915) 568-9074. Res: (915) 584-2581. S: Teresa. RW Qual. Time: 300 Hrs. AM1.

Everhart, Carl D., (CW5) (M93) CASSD, Unit 20101, APO AE 09165. Dy: 322-7741. S: Caroline, Dy: Commander, Hanau, Germany. Rtg: IFE SIP, RW Qual. PW Qual. Time: 6,126 Hrs./Cbt 1,200 AM/25.

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Fagan, Jeffery G., (CW3) (M88) A Co, 9/227th ASB, Box 25, Mail Unit 20198, APO AE 09165, Dy: DSN 322-7897, Res: 06181-56221, S: Signki, Dy: AH-64 Maint Test Plot, Quality Control Officer. Rig: MTP. RW Qual. Time: 1,900 Hs./Cbt 4 AW1.

Faint, Geo R., III, (CW4) (M78) A Co, 1-501 Aviation, Unit 15238, Box 200, APO AP 96205-0011, S: Suk. Dy. Pilot UH-60, K-16 Korea, Rtg: MAA SIP IFE. RW Qual. Time: 4,000

Fair, Thomas D., (WO1) (M91) (Tom) 3197 Ansley Drive, Hope Mills, NC 28348. Res: (919) 425-3017. S: Linda. RW Qual. Time: 400 Hrs.

Farley, Noel S., (CW3) (M93) 8405 Blackberry Ridge, Edmond, OK 73034. Dy. (907) 384-2538. Res: (907) 696-5957. S. Diana. Dy. B Co., 47123rd Avn, Fort Richardson, AK. Rtg: SAA IFE SIP. RIW Qual. Time: 3,000 Hrs.

Felder, Willie B., (CW2) (M93) 4089 Denning Spring, Apt. B, Fort Invin, CA 92310. Dyr. (619) 386-3085. Res: (619) 386-9496. S: Elaine. Dyr. UH-1 Pilot, Army/Maint Test Pilot. Rtg.: MTP. RW Qual. Timo: 2.000 Hrs./Cbt 30 AM/1

Feltmate, Reid D., (CW4) (M85) (Torpedo) Phantom Corps VP Merrb., Route 3, Box 87P, Gatesville, TX 78528. Dyr, (817) 287-4140. Res: (817) 885-4271. S: Elizabeth. Dyr, STDS, 3-6, Fort Hood. Rig: MAA IFE. RW Qual. Time: 6,700 Hrs./Cbt 1,650 AM/52. Vp, Membership Enrollment, Phantom Corps Chapter.

Ferrell, Ronald J., (CW4) (M86) (Ron) HHT, 6-6 Cavalry, CMR 416, Box 117, APO AE 09140. S: Kathle. Dy: Illesheim, Germany. Rtg: MAA SIP. RW Qual. Time: 3,500 Hrs.

Fetzer, John C., (CW2) (M90) 131 Early Street, Fayetteville, NC 28301. Dy. (919) 395-4021. Res: (919) 822-1167. S: Lori Ann. Rtg: AA. RW Qual. Time: 550 Hrs.

Filmer, David P., (CW3) (M82) 58 East Cargil, Sierra Vista, AZ 85635, Dy. (802) 538-2822. Res: (602) 452-0387, S: Dorothy, Dy: McMaint Off, E Co, 304th Ml Bn, Fort Huachuca, AZ. Rtg: MTP, RW Qual, FW Qual, Time: 2,100 Hrs./Cbt 56 AM/1.

Finnerty, Arthur J., (CW4) (MS2) (Art) P.O. Box 42102, Savannah, GA 31409. Dy: (912) 352-5751. Res: (912) 920-7383. Dy: Airfield Cdr, Hunter AAF. Rtg: MAA. RW Qual. FW Qual. Time: 5.825 hrs./Cbt 375 AMY2.

Finochiaro, Albert J., (CN4) (M82) (A) PSC 4, Box 298, APO AA 34004. Dy: 507/87-5003. Res: 507/87-5039. S: Irma. Dy: USARSO Avn Standardization Off, Fort Clayton, Panama. Rtg: SAA SIP IFE. RW Qual. RW Qual.—Time: 5.400 Hrs.

Fischer, Steven P., (WOC) (M91) (RE) 21 Beech Lane, Tarrytown, NY 10591. Dy: (817) 288-1013. Dy: B Co, 4/227th Avn, 1st Cd, Fort Hood, TX, Time: 500 Hrs.

Fischer, Thomas J., (CW3) (M92) 20 Bristlecone Drive, Savannah, GA 31419, Dy; (912) 353-2724. S: Debbie. Dy: UH-60 Pilot. Rtg: IP. RW Qual. Time: 3,200 Hrs./Cbt 26 AW2.

Fladry, Robert R., (CW5) (M75) 702 River Bend Drive, Clarksville, 1N 37043. Dy. (502) 798-379. Res: (615) 358-3521. S: Sandra. Dy. SIP HHC, 1/160th SDAR, Ft. Campbell. Rtg: MAA SIP TP. RW Qual. Time: 6,800 Hrs./Cbt. 800 DFC/1, AM/10.

Flankey, Steven F., (CW3) (M83) 401 Despwood Trail, Clarksville, TN 37042. Dy. (502) 798-5540. Res: (615) 551-9899. S. Laurie. Dy. Pilot, A Co. 1 Bn. 160th SOAR (A). Rtg: SAA IP. RW Qual. Time: 3,300 Hrs./Cbt 75 AM/2.

Fletcher, Christine A, (CW2) (M88) 201 Sugar Mill Drive, Savannah, GA 31419. Dy: (912) 352-6306. Res: (912) 920-7376. S: Dennis. Dy: B/3-24, HAAF. RW Qual. Time: 900 Hrs.

Foe, Daniel N., (MW5) (M82) (Dan) 4403 Hillside Court, Alexandria, VA 22306. Dy. (703) 806-7026. Ros. (703) 785-5887. S: Debbie. Dy. PW PAT, DAA, Fort Belvoir. Rtg: MAA IFE. RW Qual. FW Qual. Time: 9,500 Hrs./Cbt 1,300 AM/27.

Ford, David A., (CW2) (M92) 101 St. George Blvd., Apt. 6M, Savannah, GA 31419. Dy; (912) 352-5500. Res: (912) 920-1444. St. Lisa. Dy; Maint. Officer, B Co. 1/24th Avn. Regt.. Rig: MTP. RW Qual. Time: 1,000 Hrs./Db 30 AW1. Forshey, Marshall R., (CW3) (M91) (Ray) 2 Skiffs Creek Landing Rd, Newport News, VA 23603. Dy; (804) 878-1510. Res: (804) 887-2821. St. Gloria. Dy; Procuction Control/Test Pilot. Avn Div FE Va. Rig. MTP. RW Qual. Time:

Fortune, Thomas H., (CW3) (M83) (HB) 17 Endl Avenue, Fort Rucker, AL 36382. Dy: (205) 255-3516. Res: (205) 598-527. S: Cynthia. Dy: Pitatoon Trainer, B Co, 1-145th Avn. Rtg: SAA IP. RW Qual. Time: 2,400 Hrs.

1,850 Hrs. Life Member.

Found, Richard R., (CW4) (M93) 2624 Carrier Lynn Drive, North Pole, AK 99705. Dy: (907) 353-6156. Res: (907) 488-7893. S: Chris. Dy: C Co, 229th Avn. Fort Walnwright, AK. Ritz: IP MTP, RW Qual. Time: 2,500 Hrs./Cbt 685 DFC/1, AM/10.

Fox, Brian K., (WO1) (M92) 2008 Lake Barry



Drive, Fayetteville, NC 28304-4631, Dy: (919) 396-8282, S: Karen, Dy: Aviator, 3-229th, Fort. Braod, NC, RW Qual, Time: 225 Hrs.

Fox, Dean T., (CW3) (M90) 1401 King George Bivd., Apt. 11, Savannah, GA 31419. Dy: (912) 352-6794. Res: (912) 920-9622. S. Queenell. Dy: XO, A Co, 224th MI Bn (AE). Rtg: SAA. RW Qual. FW Qual. Time: 1,600 Hrs.

Fraher, Jeffrey R., (CW2) (M90) 9904A Gates Street, Fort Drum, NY 13603-3411. Dy: (315) 772-3810. Res: (315) 773-3723. S: Tamara. Dy: Aeroscout Instructor Pilot, B/2-25, ATKHB. Rtg: AA IP. RW Qual. Time: 1.000 Hrs.

Frazler, Robert J., (CW4) (M91) (Doc) 3479 Brookfield Drive, Clarkeville, TN 37043, Dy. (615) 798-2750. Res: (615) 358-5082. S: Sue. Dy. Flight Safety Tech, HHC 1/101st Avn Regt. RW Qual. Time: 3,250 Hrs./Cbt 143 AM/1.

Frazier, William R., (CW3) (M93) (Randy) RR 3, 8ox 230, Dover, TN 37058-9803, Dy; (502) 798-3967. Res; (615) 232-7076. S: Daniela. Dy; Maintenance Test PliouProduction Control Officer. Rig: MTP. RW Qual. Time: 1,900 Hrs. AM11.

Fred, Timothy D., (CW2) (M89) 7315-A Gardner Hills, Fort Campbell, KY 42223. Dy: (502) 798-4858. S: Debble. Dy: CH-47 IP, Fort Campbell. Rig: IP. RW Qual. Time: 1,160 Hrs.

Frishe, Thomas T.Jr, (CW2) (M91) (T.J.) 2230 Mason Way, Clarksville, TN 37043-1837. Dy: (502) 798-2744. Res: (615) 553-8951. S: Karen. Dy: A Co, 1/101st Avn. FW Qual. Time: 400 Hrs.

Frest, Ernest W., (CN/3) (MS3) (BIBI 108 Cahaba Drive, Enterprise, Al. 36330-3627. Dy; (205 255-5223, Res: (205) 255-6056. S: Suzie. Dy: Blackhawk Platoon Commander, C Co, 1/223/d Avn, Fort Rucker. Rtg: SAA IP. RW Qual. Time: 4,200 Hrs./Cbt 34 AM/1. Life Member.

Fuller, Brian R., (CW2) (M92) (Wolfman) 2105 Essex Square, Manhattan, KS 68502, Dy. (913) 239-8408, S. Josie, Dy. CH-58 Maint Ofcr, 1/1 Avr., 1st Inf Div. Rtg: AA MTP, RW Qual, Time: 1,300 Hrs./Cbt. 90 AM1.

Fuller, Gary L., (CW3) (M80) 457 Turner Loop, Fort Campbell, KY. 42223-1214. Dy: (502) 738-2349. Res: (615) 431-9789. S: Denise. Dy: D Co., 160th SOAR(A), Instructor Pilot. Rtg: SAA IP. RW Qual. Time: 4,300 Hrs.

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Gadomski, Thomas P., (CW4) (M89) (Torn)
High Desert Chapter Treas, 3941 Bitter Springs
Drive, Fort Irwin, CA 92310. Dy; (619) 386-4072.
Res: (619) 386-1768. S: Connie. Dy: Installation Avn Safety Off, HOs National Trng Ctr. Rig:
MAA. RW Qual. Time: 3,000 Hrs. Treasurer,
High Desert Chapter.

Gandy, Kenneth R., (CW3) (M85) 107 Dolphin Drive, Brunswick, GA 31525-2173. Dy: (912) 352-6306. Res: (912) 262-1035. S: Cindre Rene. Dy: IP/Examiner, Avn Bde, 24th ID (MECH). Rtg: AA IP IFE. RW Qual. Time: 3,000 Hrs.

Gamer, Roger K., (CW3) (M86) Army Avn Cen Chap VP Prog. 37 East Harris Drive, Fort Rucker, AL 36362-5000. Dy. (205) 255-3411. Res: (205) 598-8360. St. Jane. Dy. Sr TAC Officer, 8 Co., 1-145th, Student Mgmt. Officer, Avn Trng Bde. Rg: SAA IP. FIW Qual. Time: 2,500 Hs. Vp. Programs, Aviation Center Chapter. Past Chap. Offic. Garrett, John W. Jr., (W01) (M91) C Co., 67159th Avn., Unit 26443, Box 97. APO AE 09182. Dy.

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Aviation Warrant Officer Directory

011/49-93348-7807. Res: 011/49-931-709420. St Tracy. RW Qual. AM/1.

Genallie, Robert S., (CW3) (M88) (Scott) 2409 Sandy Drive, Clarksville, TN 37043, Res: (615) 647-6870. S: Sharon. Dy: Avn Safety Officer, HHC, 1/101st Avn. Rtg: SAA. RW Qual. Time: 1,615 Hrs./Cbt 33 AM/2.

Gerdin, Michael P., (CW2) (MS2) D Co, 502nd Avn Regt, Unit 29701, Box 70, APO AE 09028, Dy. 49 621/731 5184, Res. 49 621/731-835, S: Debra, RW Qual, RW Qual, Time: 1,400 Hrs.

Gere, Duane A., (CW3) (M90) 2010-8 Werner Park, Fort Campbell, KY 42223-1170, Dy; (502) 798-4284. Res: (615) 431-3074. S. Nancy, Dy; ASO, C Co, 1-501st, Korea, RW Qual, Time: 1,600 Hrs./Cbt 50 AW2.

Gerner, Ronald W., (MW4) (M88) (RG) 1801 Virginia Averue, Copperas Cove, TX 76522 Dy: (817) 287-8236, Res: (817) 547-1247, S. Nancy, Dy: III Corps GI, OPMO, Fort Hood, TX. Rtg: MAA IP. RW Qual. PW Qual. Time: 5,132 Hrs./Cbt 1,680 DFC/1, AM44.

Gianelloni, Matthew B., (CW2) (M91) (G-Man) 2516 Ramosy Street, Fayettevile, NC 28301, Dy. (919) 396-4343, Res: (919) 630-1708, S-Virginia. Dy. C Co, 1/82nd Avn Atk, For Bragg, NC, Rtg: AA. RW Qual. Time: 325 Hrs.

Giganti, Raymond G., (CW3) (M84) (Nick) 39 Philmont Drive, Hampton, VA 23666. Dy: (804) 878-338. Res: (804) 766-1445. Dy: Avn. Safety Officer/OH 58 Test Pilot/UH-1H PIC. Rtg: SAA SIP. RW Qual. Time: 3.200 Hrs.

Gilliand, Clifford R., (WO1) (M92) C Co, 1-501st Avn, Unit 15508, APO AP 96208-0575, Dy. 721-5990. Res: 721-5351. S: Barbra. Dy. Pilot. RW Qual. Time: 400 Hrs.

Girany, Aido F., (CW4) (M92) (Fred) 7314-8 Gardner Hills, Fort Campbell, KY 42223, Dy: (502) 738-3875, Rs: (502) 431-3773, S: Linda. Dy: Maint Off, B/8-101, RW Qual. Time: 2.500 Hrs. AM/B.

Gjertson, Douglas W., (MW4) (M89) 7029 Polins Court, Alexandria, VA 22306. Dy. (703) 325-5225. Res. (703) 660-8629. S. Susan. Dy. DA PERSCOM, Rtg.: SIP, RW Qual, Time: 5,000 Hrs./Cbt 1,013 DFC/1, AM/36.

Glover, Judie R., (CW4) (M92) (Joe) 15317 Yardarm, Corpus Christi, TX 78418. Dy: (512) 939-2793. Res: (512) 949-7747. S: Rena. Dy: Test Plot, CCAD, Aviation Div., Rig: At T. R.W. Qual. Time: 2,350 Hrs./Cbt 283 AM/5.

Godfrey, Allen R., (CW2) (M88) (Randy) 148 E. Luzon Drive, Fort Bragg, NC 28307. Dy: (919) 395-9060. Res: (919) 435-4627. St Deborah. Dy: OH-58D Pilot, D Troop, 4/17 Cavalry. Rtg: AA. RW Qual. Time: 900 Hrs.

Goetz, Steven C., (CW4) (M80) (Steve) 1037 Drennan Park, No. B, Fort Campbell, KY 42223-1219, Dy. (502) 798-4968, Res. (615) 431-3674. S: Charl. Dy. SIP, 9th Avn Bn, 101st Avn Rept, Rig. SAA SIP, RW Qual. Time: 3,700 Hrs./Cb1 100 AM/1.

Goff, James H., (CW4) (M91) (Jim) A Co, 603 ASB, CMR 454, Box 3229, APO AE 09250-5000. Dy: 4672-657. Res: 0961-66656. S: Barbara. Dy: AH-64

MTP, Katterbach, Germany. Ptg: IP MTP. RW Qual. Time: 4.800 Hrs.

Goforth, William S., (CW3) (M89) C Co., 2-1 Aviation,CMR 454, APO AE 09250-5000. S: Michaelle. Dy: Production Control OIC, Katterbach Germany. Rtg: MTP, RW Qual.

Goldman, Hayden J., (CW2) (M90) (Jeff) 2395 Peachers Mill Rd., Clarksville, TN 37042, Dy; (512) 798-3165, Res: (615) 551-9767, Dy; A Co, 7/101st Avn, Fort Campbell, KY. RW Qual. Time: 500 Hs. Gendviel, Mark H. (WO1) (M91) (Goods) 1805

Geodwin, Mark H., (WO1) (M91) (Goody) 1805 Vera Cruz Street, Barstow, CA 92311-5945. S: Caryn. Dyr. C Co., 3/159th Avn, Fort Irwin, CA. RW Qual. Time: 500 Hrs.

Gordon, Robert E., (CW4) (M92) (Rob) 137 Mariners Way, Savannah, GA 31419. Dy: (912) 952-6677. Res: (912) 927-3889, S: Andrea. Dy: HHC, 1/24th Avin Regt (Vipers), Hunter AAF, RW Qual, RV Qual, Time: 4,000 Hrs./Cbt 1,000 AM/2.

Gore, Adam F., (CW2) (M89) (A-Mari) 800 Oxecco Road, Lot 242, Savannsh, GA 31419, Dy; (912) 352-6306. Res: (912) 921-0072. S: Sandra, Dy: B Co, 3/24 Avn Regt, Hunter AFB, Savannah, RW Qual. Time: 600 Hrs./Cbt 140 AM/1.

Gore, Wayne E., (CW2) (MB8) CMR 416, Box 927, APO AE 09140. Res: (206) 491-3963. S: Janine, Dy. AH-64A Alk Hopt Pilot, B Co. 4-229th AAHR, Rtg: AA, RW Qual, Time: 750/Cbt 53 AM/1.

Gorton, David H., (CW2) (M90) (Flash) P.O. Box 333, For Drum, NY 13603-0333, Dy; (315) 772-3826, Res (315) 287-7372. St Sherry, Dy. AH-1 Pilot, B Co, 2-25th ATKHB, Fort Drum, NY. RW Qual. Time: 450 Hrs./Cbt 20 AM/1. Graham, Gary A., (CW2) (M93) 7320 A Gardner Hills, Fort Campbell, KY 42223, Dy; (502) 798-5669, Res; (615) 431-4678. St Janet. De Co. 4/101 Avn., RW Qual. Time: 1,200 Hrs.

Graves, Stanley H., (CW5) (M78) 107 West Ridge Court, Daleville, Al. 36322. Dy. (205) 255-8167. Res: (205) 598-3568. S; Jean. Dy: Proj. Test Pliot, USAAVNC Tech., Fort Rucker. Rig: MAA IFE SIP TP IP MTP. RW Qual. Time: 10.500/Cbt 1.400 AM/34.

Gray, Harry J., (CW2) (M92) 7511 Geral Dave, Calcium, NY 13616. Dy: (315) 772-3273. Res: (315) 629-0619. S: Debble. Dy: B Troop, 3/17th Cay, Fort Drum. RW Qual. Time: 700 Hrs.

Gray, William E., (CW2) (M91) 1484-A Werner Park, Fort Campbell, KY 42223-5000. Dy. (502) 757-514. Res: (615) 431-9649. S: Justine. Dy. Pilot, B Co., 7th Bn. 101st Avn Regt. Rtg: AA. RW Qual. Time: 700 Hrs./Cbt 60 AM/2.

Gregorich, Henry J., (CW3) (M85) (Hank) 447 Stantord Drive, Barstow, CA 92311-6619, Dy. (519) 386-3061. Res: (619) 525-1531. S. Brenda. Dy. C. Co., 3/159th Avn, National Training Center, Fort Invin, CA. Rtg: AA TP. RW Qual. Time: 2,200 Hrs.

Griffin, Harold W., III (W01) (M91) (Griff) 159th Medical Co. (AA), CMR 431, Box 2817, APO AE 09175, Dy; 01149611705 5955/6204. Res: 011496152 7409. Dy; Hoptr Avistor, UH-60, Wiesbaden Air Base, FRG. RW Qual. Time: 455.

Grimes, Wayne, (CW3) (M92) (Cobra) 985 Cheekwood Trali, Clarksville, TN 37042, Dy: (913) 239-6059, Res: (615) 648-2544, S: Elsie, Dy: Plott AH-1, Fort Riley, KS. RW Qual, Time: 1,600 Hrs./Cbt 38 DFC/1, AM/1.

Grubb, William W., (CW4) (M82) (Rusty) 1488 Brantley Lane, Clarksville, TN 37043. S: Tommye, Rtg: MAA MTP. RW Qual. FW Qual. Time: 3,600 Hrs. Guffy, Wayne S. Jr., (CW4) (M72) P.O. Box 33439, Fort Sill, OK 73503-0439, Dy; (405) 351-3714. Res: (405) 357-0360. Dy; OK Fit Det (OSAC), Fort Sill. Rtg: MAA IP. RW Qual. FW Qual. Time: 9,560 Hrs./Cbt 939 AM/35. Life Member.

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Habermehl, James L., (CW2) (M88) (Hab) 3711 Porter Loop, Wahiawa, Hi 96786, Dyr. (808) 655-145, Pesr. (808) 624-2186, Sr. Onfisty, Dyr. 0H-58 Maint TP, 5/9 Cav, C Trp. Rtg: MTP. RW Qual. Time: 900 Hrs.

Hacla, Joseph E., (CW2) (M90) 4916 Yaupon Circle, Myrtle Beach, SC 29575, S: Donna Jo. Dr. A Co. 1/501st Avn., Rtg: AA, RW Qual, Time: 600 Hrs.

Hahn, Edmund L., (CW2) (M91) (Ed) 5121 Waters, Fort Bliss, TX 79906. Dy: (915) 568-8853. Res: (915) 565-3939. S: Lecrisha. Dy: U.S. Army Avlator. Rtg: AA. RW Qual. Time: 700 Hre

Hall, Gary W., (CW4) (M92) 103 Curts Drive, Lawton, OK 73501. Dy. (405) 351-3724. Res: (405) 529-2155. S: Paulette. Dy. CH47 SPIPFE, A Co. 2/158th Avn Regt, Fort Sill, OK. Rtg. MAA SIP IFE. RW Qual. Time: 6,000 Hrs./Cbf 1,130 DFC/1. AM/26.

Hall, Michael A., (CW2) (M91) C Co, 6-159th Avn, Unit 26443, Box 57, APO AE 09182. S: Dennie. Dy: UH-60 Pilot, Giebelstadt, Germany.

Hallmark, Edmond E., (CW2) (M93) (Bugs) 8 Troop, 6-6 Cavalry, CMR 416, Box 426, APO AE 09140, Dy. 011/49-9841-5631. Res: (406) 844– 2013. S: Maryanne. Dy. AH-64 Pliot. Rtg: AA. RW Qual. Time: 618 Hes/Cbt 134 AM/1.

Halstead, Marlin B., (W01) (M92) 2104 Carousel, Killeen, TX 76543. Dy. (817) 287-8823. Res. (817) 634-1373. S: Martina. RW Qual Time: 230 Hrs.

Hamilton, Derrick A., (CW2) (M91) (Hambone) HHC, 4/229th Atk Hel Reg, CMR 416, Box 893, APO AE 09140. S: LaTanya. Dy: S2, AH-64 Pitot/Armament Off. RW Qual. PW Qual. Time: 500 Hrs.

Hamm, Eric L., (CW2) (M91) 3427-C Thompson Cir., Wahiawa, HI 96786, Dy. (808) 656-2566. Res: (808) 671-9455. S: Jennifer. Dy. B Co, 4/25th Avn Regt. RW Qual. Time: 600 Hrs.

Hammel, Paul D., (CW3) (M91) (Paul) 4905 Climbing Vine Place, Marietta, GA 30066. Dy. (404) 421-5284. Res: (404) 516-8951. S: Catherine. Dy: UH-1 Instructor Pilot, FORSCOM Flight Detachment. Rtg: IP. RW Qual. Time: 3,100 Hrs.

Hammond, Todd R., (WO1) (M91) (Reggle) A Co, 5-501st Avn Regt, Camp Eagle, Korea, APO AP 96297-0655. Dy: 011/82-3718-2311. Res: 011/82-3718-2684. Dy: AH-1 Attack Helicopter Pilot, Camp Eagle, Korea. RW Qual. Time: 300 Hrs.

Hancock, James C., (CMS) (M89) (Jimmy) 1321 North Avoca, Mesa, AZ 85207. Dy. (802) 891-3895. Res: (802) 981-9061. S: Teresa. Dy. Acceptance Test Pilot, MDHC, Mesa, AZ. Htg: SAA MTP. RW Qual. Time: 2,800 Hrs./Cbt 32 AMM1

Hanks, Tommy, (CW2) (M91) (Tommy) 1148 Drennan Park, Apt. A, Fort Campbell, KY 42223-1225. Dy. (615) 798-3494. Res: (615) 431-9678. S. Dy. HHC, 3rd Bn, 101st Avn Regt. Rtg: MTP. RW Qual. Time: 2,300 Hrs.

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Aviation Warrant Officer Directory

Hansen, Randall S., (CW5) (M72) (Randy) 1833 Carrington Forge, Douglasville, GA 30134-6390. Dy; (404) 783-7245. S: Debrarb, Dy; DARR, FAA So Rgn, ASO-902, Atlanta, GA. Rtg: MAA IFE SIP. RW Qual. FW Qual. Time: 4,700 Hrs. Life Member.

Hardwick, J.M., Jr., (CW3) (M83) (Jim) 117 East Pondella, Enterprise, Al. 36330, Dy. (205) 255-4909, Bes: (205) 347-8068, S: Bornie, Dy: TRADOC System Manager, OH580 Kiowa Warrlor, Rig: SAA IP, RW Qual, Time: 3,500 Hrs./Cbt 80 AM1.1V.

Harford, Jeffrey A., (CW4) (M93) (Jeff) 517 Chatham Road, Belton, TX 76513, Dy; (B17) 288-3478. Res: (817) 780-2280. S: Janet. Dy: AH-64 Instructor Pilot, Combat Avn Trng Bde. Rtg: SIP. RW Qual. Time: 4,200 Hrs./Cbt 73 AM2.

Harlor, Donald R., (CW5) (M80) (D.R.) 713 Duncan Street, Wahiawa, HI 96796, Dy. (808) 448-7834, Res: (808) 624-8226, S. 7911, Dyr. Fixed Wing Standardization Officer, Hickam AFB, HI. Rig: MAA, RW Qual, FW Qual, Time: 7,600 Hs.;Cbt 1,500 AM/28, U

Harper, Timothy W., (CW2) (M91) (Bart) C Co. 3-1 Avn., CMR 454, Box 3391, APO AE 09250. Dy: FRG 4672-654, Res: FRG 09820-1369, S: Tei. Dy: C Co, 3-1 Avn Regt. Rtg: P. RW Qual. Time: 1.800 Hrs./Cbt 10 AWQ.

Harrington, Kent H., (CW3) (M82) (Harri) 150 North Main Street, Black River, NY 13512-0153. Dy: (315) 772-3574. Res: (315) 773-0934. S: Marta. Dy: CX3-25 AHB, Pt. Drum, UH-60/EH-60 IP. Rtg: SAA IP. RW Qual. Time: 3,500 Hrs.

Hauenstein, Alan D., (CW3) (M82) 20 Kirby Street, Fort Rucker, Al. 36362. Res: (205) 598-2995. S: Denise. Dy. C Co., 1/212th Avn Trig Bn. Rtg: SAA IP, RW Qual. Time: 3,600 Hrs.

Hawkins, Robert J., (MW4) (M71) (Bob) 111-B Gulcars Avenue, Fort Richardson, AK 99505, 1007) 528-337. Res: (907) 528-337. Res: (907) 428-0585. S. Carol. Dy: Utility Airplane Detachment, Elmendorf AFIB. Hg: MAA IFE SIP. RW Qual. FW Qual. Times 8,000 Hrs./Cbt 1,130 Past Chapter Officer.

Hay, Harold H., (W01) (M92) P.O. Box 2327, CMR 427, APO AE 09630. Dy: 39-444-7667. Res: 39-444-360196. S: Christine. Dy: Avlator, Vicenza, Italy. RW Qual. Time: 412 Hrs.

Hayes, Kevin R., (CW3) (M90) 24th General Disp, Box 25, No. 20916, APO AE 09169-5000. Dy. 322-7600. Res: 0640464475. S: Christy. Dy. Instrument Examiner, HH3 3-227 Avr. Rtg. IFE. RW Qual. Time: 3,100 Hrs.

Haynes, Gregory J., (CM2) (M90) (Ehis) PSC 1, APO AA 34001. Dy: AV 313-284-3804. Res: 507-84-4986 (Panama). S: Kuffly D. Dy: Suffly/ALSE Officer, 617th Special Opins. Avri. Det., Fort Kobbe. Rig: SAA. RIV Qual. Time: 1,800 Hrs.

Hazelton, Frank B., (CW2) (M89) 268 Cheshire Road, Clarksville, TN 37043. Dy: (502) 798-6858. Res: (615) 551-9620. S: Kim. Dy: C Troop, 2/17th Cav, Fort Campbell, KY. Rtg: AA. RW Qual. Time: 750 Hrs.

Hedgecock, Walter D., (CW3) (M85) (Wally) 818 Ringold Street, Wahiawa, Hi 96786. Dy: (808) 656-1210. Res: (806) 624-4316. S: Dawn. Dy: IP, C Co., 4/25 Avn Regt. Rtg: SAA IP. RW Qual. Time: 2-500 Hrs.

Hegland, Dennis A., (CW4) (M87) (Denny) 216 Miner Drive, Richmond Hil, GA 31324. Res: (912) 756-4517. S: Karen. Dy. Battalion Standardization Offics, HSC 3nd MI Bn (AE). Rig: MAA IFE SIP MTP. RW Qual. FW Qual. Time: 7.500/Cbt 850

Helleman, Sean A., (W01) (M92) B Co., 3/1 Avn Regt, CMR 454, APO AE 09250. S: Paula. Dy: Katlerbach FRG, Apache Pilot. RW Qual. Time: 723 Hrs./Cbt 70 AM/1.

Helton, David E., (CWS) (M73) (Dave) Aviation Center VP WO Air, 205 Trotman Drive, Ozark, Al. 39360, Dy. (205) 255-514. Res: (205) 747-7567. S. Betty, Dy. Director WO Career Center. Rig. MAA. P TP. Time: 4,500 Hrs./Cbt 1,980 DFC, AM47. Past NEB. Vly, Wo Affais, Aviation Center Crapter. Helton, James R., (CW4) (M78) (Jim) 102 Karol Octob, Ozark, Al. 36360, Dy. (206) 255-2442. Res: (205) 774-3087. S. Vicki: Dy. UH-60 SPIPIE. Rig. MAA SIP HE. RIV Qual. Time: 4,400 Hrs. Past Chapter Officer.

Hendershot, George B., (CW4) (M91) (George) 1907 Standridge Street, Killoen, TX 76543, Dy. (817) 288-3575, Bass: 817), 690-1774, S. Barbara. Dy. UH-60 SIP, Combat Avn. Training Brigade Fort Hood. Rg: SIP, RW Qual. Time: 5,700 Hrs./Cbt 1,128 AW25.

Hendley, James H., (CW4) (M83) (Jim) 203 Sigerfoos Road, Fort Benning, GA 31905. Dyr. (706) 545-5311. Res: (706) 689-1894. S. Jennifer. Dyr. 498th Med Co (AA), IE/SP Stans Off. Rtg: MAA IFE IP SIP. RW Qual. Time: 5.200 Hrs.

Hendrix, Leland J., (CW4) (M72) (Lee) HHC, Avn. Bde. 2ID, APO AP 96257-0481. Res: (915) 821-4368. S: Lainie, Dy, Bde Safety Officer, Rtg. MAA, RtV Qual. Time: 2,500 Hrs./Cbt 500 DFC, AM15.1V.

Hettler, Douglas C., (CWS) (MSS) 441-C Carpenter Place, Fort Riley, KS 66442-1170. Dyr. (913) 239-3920. Resr. (913) 784-6711. St. Lisa. Dyr. AO, C Co., 41 Avn Rept. Rtg. MTP, RtW Qual. Time: 2,250 Hrs./Cbt 15 AW1.

Hewitt, James C., (CW2) (M68) 1368 Sherman Street, Watertown, NY 13601. Dy. (315) 782-6608. Res: (315) 782-0605. Rtg: AA IP. Time: 3,700 Hrs./Cbt 1,000 DFC, AM37.

HIII, Robert D., (CW5) (M79) (Bob) 6917 Candlewood Drive, Fayetteville, NC 28314. Dy; (919) 432-5238. S: Lei. Dy; Awn Flight Standards, HHC, 82 Avn Bde, Pt Bragg. Rtg; MAX ITE SIP, RW Qual. Time: 7,500 Hrs./Cbt 1,200

Hillyer, John A., (CW2) (M87) 602 Wainwright Road, Fort Wainwright, AK 99703. Dy. (907) 353-6348. Res: (907) 356-2051. S. Leslie. Dy. UH-1, IP/IFE, 283 Med Det. Rtg: AA IP IFE. RW Qual. Time: 2,000 Hrs.

Hodges, Charles A., (WO1) (MS2) (C.A.) 8101 Peck Avenue, No. L79, Anchorage, AK 99504. Dy: (907) 384-2527. Res: (907) 333-3379. S. Patti. Dy: B Co, A Co, 4/123rd Avn Regt, Fort Richardson, AK. Rig: AA. RW Qual. Time: 315 Hrs.

Hogan, Gary M., (CW4) (M78) 1002 Kim Ave., Copperas Cove, TX 76522. Dy. (817) 288-1180. Res. (817) 547-4199. S. Susan. Dy. 15th MI Bn. Bn ASD, Fort Hood, TX. Rig: MAA. RW Qual. FW Qual. Time: 5,000/Cbt 734 AM18. Life Memb.

Hahbach, Brent K., (CW3) (M90) 128 Saint Ives Drive, Savannah, GA 31419-8917. Dyr. (912) 352-5821. Res: (912) 921-0319. S: Carol. Dyr. 2224th MI Bn, HAAF. Rtg: AA. RW Qual. PW Qual. Time: 1,900 Hrs. Holloway, Robert D., (CW2) (M93) 1446-A Werner Park, Fort Campbell, KY 42223. Dy: (502) 798-4562. Res: (502) 431-4407. S: Shannon. Dy: UH-1 Pilot. RW Qual. Time: 1,000 Hrs./Cbt 200 AM/2.

Heod, Steve E., (WO1) (M93) (Trey) P.O. Box 35324, Fort Wainwright, AK 99703-0324, Dy: 907) 353-7404. Res: (907) 488-8878. S: Vicki. Hooper, Claude L.Ir, (CV44) (M72) CMR 467, Box 6797, APO AE 99096. Dy: 049-0611-705-6060. S: Liselotte. Dy: UH80 IPNFE, 159th Med Co (AA), Wesbaden Air Base. Rty: MAA IFE IP. RW Qual. Time: 5,400 Hss./Cbt 42 MW1.

Hosp, Kirk L., (CW3) (M92) (Joatmon) P.O. Box 620155, Fort Rucker, AL 36362-0155, Dy. (205) 255-3310. Res: (205) 598-2548, S: Exis. Dy. Operations Officer, E Co, 1/212th Avn, ATB. Rtg: SAA IP. RW Qual. Time: 4,000 Hrs.

Houde, Richard A., (MW4) (M81) (Dick) 410 Fabian Place, Clarksville, TN 37043, Dyr (S02) 798-522. Res: (615) 645-5524. S. Suzanne. Dyr Safety Officer, 101st Abn Div (AASLT), Fort Campbell, Rtg.: MAA IFE IP. RW Qual. Time: 6,620 Hrs./Cbt 1,925 AM/34.

Houska, Howard, (WD1) (M92) (Howle) 4311-2 Wolfford Drive, Fort Riley, KS 66442. Dy: (913) 239-3810. Res: (913) 764-7322. S: Nancy. Dy: Pilot, 82nd Medical Co. RW Qual. Time: 300 Hrs.

Howard, Jacob M., (CW3) (M82) (Jake) 6836 Payne Avenue, Edwards AFB, CA 93523. Dy: (805) 277-4992. S: Clindy. Dy: Experimental Test Pillot, AQTD, Edwards AFB. Rig: SAA IP. RW Qual. FW Qual. Time: 4,300 Hrs.

Hughes, Brenda L., (CW2) (M88) 105 Shulsen Drive, Ozark, Al. 36360. Dy; (205) 255-4833. Res: (205) 774-8115. S: Robert. Dy; Instructor Pilot, D Co. 1-223rd Avrn..

Hurley, Jeffrey S., (WO1) (M91) (Scott) E Troop, 5-17 Cavalry, Unit 15122, Box 20, APO AP 96224-0494. Dy: Camp Mobile, Korea. RW Qual. Time: 360 Hrs. Past Chapter Officer.

Hurley, Keith M., (CW2) (M88) 136-G West Concord Drive, Clarksville, TN 37042. Res: (615) 551-4877. Dy: CH-47D Pilot, Fort Campbell, KY. RW Qual. Time: 845 Hrs./Cbt 155 AM/2.

Hutchison, John R., (CVI4) (M85) 219 Pincrest Drive, Fayetteville, NC 28305. Dy. (919) 396-7501. Res: (919) 485-6667. Dy. Bde Safety Off. 18th Avn Bde. Rip. MAA TP. RW Qual. Time: 4,767 Hrs./Cbt 1,200 AM/14.

Hutchinson, Paul D., (CW3) (M89) (Hutch) 200 Harwood Place, Enterprise, Al. 36390-1120. Dy: (205) 255-2690. Res: (205) 347-4391. S: Joanna. Dy: Apache SIP, 1-14th ATB HHD. Rtg: SIP. RW Qual. Time: 2,500 Hrs.

Hutson, Michael J., (CW5) (M89) (Mixe) 1028-A Drennan Park, Fort Campbell, KY 42223. Dy: (502) 798-7424. Res: (615) 431-3645. S. Janie. Dy: UH-60 SIP/IFE, Fort Campbell. Rig: MAA IFE SIP. RW Qual. Time: 7,700 Hrs./Cbt 1,001 DFC/1, AMA6.

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lig, Mark W., (CW2) (M91) 306 D Lumpkin Road, Fort Benning, GA 31905. Dy: (404) 545-5311. Res: (706) 687-4489. S: Sherry. Dy: 498th Med Co AA. RW Qual. Time: 650 Hrs.

Irwin, Earle C., (CWS) (M66) (Earle) Central American VP Prog., PSC 4, Box 2599, APO AA 34004-5000. S: June. Dy: USARSO Avn Safety Officer: Rtg: MAA SIP TP. RW Qual. Time: 6,000

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Aviation Warrant Officer Directory

Hrs./Cbt 900 AM/22. Vp, Programs, Central American Chapter.

Ney, Mark B., (CW2) (MS2) (The Chameleon) 1660 Baltimore Dr., No. 5, Carksville, TN 37043-431; Dy. (502) 798-2700. Pes: (615) 553-9013. Dy. US Army Student Det., Fort Ben Harrison, N. Rtg: AA. RW Qual. Time: 1,200 Hs;JCbt 50 AM/3.

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Jacoby, Jeffrey L., (CW3) (M92) (Jake) 211 Jordan Road, Clarksville, TN 37042. Res: (615) 648-1132. S. Theresa. Dy: Degree Completion, Fort Campbell, KY. Rig: SAA IP. RW Qual. Time: 2,500 Hrs./Cbt 60 DFC/1,AM/2,V.

James, William T., (MW4) (M68) (8II) 305 Choctaw Drive, Enterprise, Al. 5330. Dy; (205) 255-3262. Pesc (206) 393-3216. St Jackie. Dy; Accident investigator, U.S. Army Safety Center. Rig: MAA. RW Qual. Time: 3,200 Hrs./Cbt 627 AW/21. Past Chapter Officer.

Jasienowski, Joseph A., (CW2) (M89) (Jazz) 1517 Maggie Street, Fayetleville, NC 28303. Res: (919) 488-1554. S: Denise. Dy; AH-64 Pilot, B Co, 1/82nd Avn Bde (Atk), Fort Bragg. RW Qual. Time: 500 Hrs.

Jaspering, Stephen W., (CW3) (M92) 1162 Drennan Park, Apt. A, Fort Campbell, KY 42223. S: Dorothy. Dy: CH47 Pilot, 2/501st Avn Rept, Camp Humphries, Korea. Rtg: IP. RW Qual. Time: 2.100 Hrs./Cbt 100 AM/2.

Jenkins, Carlton R., (CW3) (M89) (Carl) 113 Livecak Drive, Enterprise, AL 36330. Dy; (205) 255-2531. Res: (205) 393-4302. S: Pam. Dy; 0H58D SIP, Directorate of Eval & Standardization. Rig: SAA SIP. RIW Qual. Time: 3,900 Hrs.

Jensen, Renald D., (WO2) (M87) (Ron) 1151 New Drennan Park, Apt. B, Fort Campbell, KY 42223-1225. Dy: (502) 798-3481. S: Dawn. Dy: H Co, 159th Avn Regt, Fort Campbell.

Jemigan, James L., (CW4) (M92) (Jim) 167 Colcoly Road, Newport News, VA 23602-5000. Dy: (804) 878-3400. Res: (804) 872-8658. S. Sue. Dy: Chief, Objections Branch, USAALS. AM/6.

Jewell, William O., (CW2) (M92) (Mr.Bill) 2304 Oregon Lane, Spring Lake, NC 28390-8455, Dy. (919) 396-6196. Res: (919) 436-1316. S: Marcela, Dy. AH-64 IP, Cri-229th. RW Qual. FW Qual. Time: 2,000 Hrs.

Jewett, Michael R., (CW2) (M90) 2576-D Marin Avenue, Fort Lewis, WA 98433-1012. Dy: (206) 967-4955. Res: (206) 964-5403. S: Tawnie, Dy: MEDEVAC Pilot, 54th Med Det. RW Qual. FW Qual. Time: 650 Hrs.

Johnson, John F., (CW2) (M89) (J.J.) D Co, 1-2 Avn Regt, Unit 15436, Box 1059, APO AP 96257-0483, S: Julie. Dy: Camp Laguardia, Korea. Rtg: MTP. RW Qual. Time: 840 Hrs.

Johnson, Larry F., Jr. (W01) (M92) 148 Sisler Street, Fort Bragg, NC 28307. S: Elizabeth. Dy: 18th Avn Bde.

Johnson, Richard G., (MW4) (M77) (Rick) 508 Silver Oak Drive, Enterprise, AL 36330. Dy. (205)

255-8244. Res: (205) 393-3603. S: Barbara. Dy: Chief, Fit Sys Test Div C, Avn Technical Test Center. Rty: MAA IP MTP. RW Qual. FW Qual. Time: 6.000 Hrs./Cht 1.865

Johnson, Robert A., (CW4) (M84) 111 Westridge Court, Daleville, AL 36322-9101. Dy: (205) 255-8037. Res: (205) 598-6516. S: Yong. Dy: CH-47 Pilot. Rtg: SIP. RW Qual. Time: 4,000 Hrs.

Johnston, Jerome J., (CW2) (M85) (Jerry) PSC 4, Box 492, APO AA 34004, Dy; 507-87-5806, Res: 507-87-4931; S: Jeannie, Dy; Bde Budget Officer, 228th Avn Bde, Fort Clayton, Panema, RW Qual. Time: 1,150 Hss. Life Member.

Johnstee, William S., (CW2) (M69) (Sam) 121 Hagen Street, Fort Bragg, NC 28307, Dy. (919) 396-2565, Res. (919) 488-4097, S. Mary, Dy. Blackhawk Pilot, C Co. 2-82nd Avn. Bde., RW Qual. Time: 1,500 Hss.

Jones, Dana E., (WO1) (M91) 95-239 Waipono Street, Milliani, HI 96789-3249, Dy. (808) 656-2626, Dy. B Co, 1/25th Avn Regt, Wheeler AAF, HI. RW Qual. Time: 550 Hrs.

Jones, Karl E., (WO1) (M92) 20 Blackwell Street, Fort Rucker, AL 36362. Dy. (205) 255-3516. Res: (205) 598-3081. S: Clindy. Dy: C Co, 2/229th AHR. RW Qual. Time: 350 Hrs.

Jones, Lee J., Jr. (W01) (M92) 226 State Line Road, Clarksdie, TN 37042. Dy. (502) 798-4564. Res: (502) 439-7561. St. Wendy. Dy. B Co, 6/101st. Avn, Fort Campbell, KY. RW Qual. Time: 130 Hrs.

Jones, Robert E., (CW2) (MB2) 2014-B Werner Park, Fort Campbell, KY 42223-1170. Dyr. (502) 798-4662. Res. (615) 431-6204. Sr. Marcia. Dyr. B Co., 6-101 Avn Regt, Fort Campbell, KY. Rtg. SAA IP. RW Qual. Time: 1,025 Hes./Cbt.79 AM/2.

Kane, Daniel J., (W01) (M91) (Cowboy) 820 Sunset, No. 7, Manhattan, KS 66502, Res: (913) 539-2245. Dyr. C Troop, 1-4th Cav, Fort Riley, KS. RW Qual. FW Qual. Time: 530 Hrs.

Kather, Michael S., (CN4) (M85) (Mike) 402 Grandylew Street, Ozark, AJ, 96360. Res: (205) 774-7431. S. Janet. Dyr. A Co, 34M I Bn, Korea. Rig: IFE SIP IP, RW Qual. FW Qual. Time: 5,280 Hrs. '90 Trainer Of The Year.

Kaufman, Stuart M., (CN4) (M74) (Stu) 816 R.S. Bradley Blvd., Clarksville, Th 37042. Res: (615) 645-899. Dy: 160th, Fort Campbell. Rtg: IP. RW Qual. Time: 5,600 Hrs./Cbt 200 AM/4.

Kegris, Jacob D., (CW4) (M85) (J.D.) 700 Wildwood Dr., Enterprise, AL 36330, Dy. (205) 255-5404, Res: (205) 383-0043, St. Lorrene, Dy. Directorate of Logistics, ALMD, Fort Rucker, AL Rtg: MTP. RW Qual. Time: 2,700 Hrs.

Keller, Ronald G., (CW3) (M92) (Ron) 101 W. Hilkrest Drive, Springfield, TN 37172. Dy: (502) 798-4738. Res: (615) 384-0143. S: Jo Ann. Dy: B Co, 6-101st Avn Regt, Fort Campbell, KY. Rig: MTP, RW Qual. Time: 1,750 Hrs.

Kelly, James C. II, (WOC) (M92) (Rogue) 202 N. Vermillion, Lexington, IL 61753.

Kelly, William M., (CW3) (M89) (Mike) 94-1146 Pohu Place, Walpahu, HI 96797, Dy: (808) 556-5400. Res: (808) 676-4942. Dy: OH-58 IP, C Trp, 5/9 Cav. Rtg: AA IP.

Kemp, Henry E., (CW2) (M91) 130D West Concord Drive, Northwoods Apts., Clarksville, TN 37042, Res: (615) 551-4474, Dy. B/2-101st. RW Qual. Time: 950 Hrs./Cbt 24 AM/1.

Kemp, John R., (CW4) (M91) 6621 Todd St., Fort Hood, TX 76544, Dy. (817) 287-6219. Res: (817) 598-6962. S. Theresa, Dy. Bde. Safety Offic, 6th Cav. Bde. Rtg: MAA. RW Qual. Time: 7,716 Hrs. Combat 58 Hrs. Past Chapter Officer.

Kennedy, Stanley A., (CM4) (M78) (Stan) 1824 Dotsomile, Clarksville, TN 3/042 Dy. (502) 798-3422. Res: (615) 647-3135. St. Karen. Dy. OH6/AH6/MH6 SIPIFE/MTP-MTFE, 160th SOAR. Rig: SAA SIP IFE MTP. RW Qual. Time: 4,650 Hs. (Cht. 25 AM7).

Keough, Bradley R., (CWZ) (1983) (Brad) 4405 Colby Unive, Killeen, TX 76543. Dy. (617) 287-4179. Pess. (617) 690-8748. St. Beoloy, Dy. CH-47D Pilot, B Co., 21158th Awn Regt. Rtg: AA. RW Qual. Time: 1,100 His.

Nime, Edward C., (CWZ) (M89) 824 Bilarwood Or., Leesvile, LA 71446, Dy. (318) 531-4109. Res. (318) 535-9916. S: Teresa. Dy. Pilot, JRTC Pt Det, Fort Polk, LA. Rig: AA. RW Quel. Time: 850 Hrs.

Kirty, Fred W., (CW4) (M90) 6833 Silver Ann Dr., Lorton, VA 22079-1311. Dy. (703) 806-7523. Res: (703) 339-8171. S. Dana. Dy. Cmd. Maint. Offcr., OSAC, Fort Behoir, VA. Rtg. MAA. RW Qual. FW Qual. Time: 5,000/Cbt 400 AW13.

Kirch, Kerry A., (W01) (M92) 2779 Old Buffalo Rd. Attica, NY 14011. Dy: (205) 255-6591. Res: (716) 591-2186. S: Kimberley, Dy: 09W. RW Qual. Time: 2401 Hes.

Klupenger, Britt T., (CW2) (M89) (Roadrun) 1609 K St., Walia Walia, WA 99382. Res: (509) 525-2719. St. Julie. Dy: UH-1H Pilot Avn Safety Off. RW Qual. Time: 1,000 Hrs.

Knight, Steven W., (CW4) (M81) P.O. Box 796, Fort Campbell, KY 42223, Dy. A Co., 2-160 SOAR, Fort Campbell, Rtg: MAA SIP, RW Qual, Time: 5,500 Hrs./Cbt 150 AM/2. Life Member.

Knox, Michael J., (CW3) (M93) P.O. Box 236, Dwight, KS 66849, Dy. (913) 239-8408, Res. (913) 482-3862. Dy. Test Pilot, Fort Riley, KS. Rtg. SAA MTP, RW Qual. Time. 2,900 Hs.; Cbt 50 AM2,1V.

Koch, Ronald J., (CW2) (M90) P.O. Box 35321, Fort Wainwright, AK 99703. Dy: (907) 353-6247. Res: (907) 452-5717. S. Lydia. Dy: Pilot, C/228. RW Qual. Time: 600 Hs.

Koprina, Paul J., (CWI) (M82) (P.J) 106 West Silverook Drive, Enterprise, AL 36330, Dy. (205) 255-989. Res: (205) 347-2717. S. Nancy, Dy. P. Cobra Half, Fort Rucker, Right, MAA IP., RW Qual. Time: 4,500 Hrs./Cbt 1,296 AM24, TV.

Korycinski, Richard E., (CW2) (M93) 313 S. Osiridge Orive, Enterprise, AL 36330. Res: (205) 347-2263. S: Dorna, Dy. AH-64 Instructor Pilot, D Co, 1-14th Avn Regt, Fort Rusier, AL. Rig: IP, RW Qual. Time: 1,200 Hrs./Cbt 25 AW1.

Kunselman, Howard S., (CVZ) (M81) (Sam) SSSA Fairfield Dr., Clarksville, TN 37042. Dy. (502) 739-6013. Res. (615) 647-8912. S: Kandee. Dy. LH-60 Pilot, B Co., 4-101st Avn Reg. RW Qual. Time: 800 Hrs.

Kurtz, Anthony, (CM2) (M86) (Tony) 405 Hillaire Drive, Hopkinsville, KY 42240. Dyr. (502) 798-8309. Res. (502) 855-6155. S. Kimberly. Dyr. C Co., 3-101, Fort Campbell, KY, Pitg. AA, RW Qual. Time: 1,450 Hss./Cbt. 60 JAM1.

Kyle, Marshall G., (CWS) (M82) (Gunner) B Co, 2/1 Avn Regt, CMR 454, Box 2419, APO AE 08260-5000. Dy: Autovon 4572-177/152. S. Tessa. Dy: B Co, 2-1 Avn Regt, Katterbach Germany. Rig: AA IP MTP. RW Cual. RW Qual. Time: 1,760 Hrs.

LLLLLLLLL

Lambert, William D., (CW4) (M83) 14782 Statler Drive, Woodbridge, VA 22193. Dy: (656) 806-7029. Res: (703) 878-9026. S: Carolyn. Dy:

Aviation Warrant Officer Directory

Maintenance Platcon Leader, RWPAT. Rtg: MAA IP TP. RW Qual. Time: 4,000 Hrs./Cbt 1,000 AM/12.

Laffee, Michael H., (WO1) (M92) (Mike) 7535 Deer Trail, Colorado Springs, CO 80911, Resc. (719) 390-7249. S. Noelle. RW Qual. Time: 200 Hrs. Lamont, Henri G., (DW3) (M92) 5211-8 Montaigue Loop, El Paso, TX 79906. Dy. (915) 568-9074.

Loop, El Paso, TX 79906. Dy. (915) 568-9074. Res: (915) 566-4742. S: Isabelle. Dy. HHT, 43 ACR, Fort Bliss, TX. Rtg: IP. RW Qual. Time: 2,000 Hrs.

Langewisch, Keith L., (CW2) (M89) (Rooster) 1700 Lynx Circle, Harker Heights, TX 76543. Dyr. (817) 288-9619. Res: (817) 686-4998. S. Barbara. Dyr. AH-64 Maint Test Pilot. RIW Qual. Time: 900 Hrs./Cbt. 50 AMV1.

Lankist, Francis W., (CW2) (M93) (Frank) 101 Twin Creek Drive, No. 405, Killeen, TX 76543. Dy: (817) 287-7270. Res: (817) 690-7383. Dy: Avistor, 4-6 Cav, Fort Hood, TX. Rtg: AA. RW Qual. Time: 800 Mrs.

Lapping, Steven A., (CW2) (M88) 1431 Werner Park, No. B, Fort Campbell, KY 42223-1116, Res: (615) 431-5169. S: hette. Dy: 160th SDAR (ABN), Fort Campbell. Rtg: SAA IP IFE. FIW Qual. Time: 2.400 Hrs.

Larson, Todd A., (CW2) (M88) P.O. Box 97, Rosepine, LA 70659. Dy: (318) 531-2681. Res: (318) 462-2596. Dy: 0H-58 IP, A Co, 1-5th Aviation Regiment. Rtg. IP. RW Qual. Time: 1,200 Hrs. AW2.

Latchum, John R. Jr., (WO1) (M91) (Jack) C Co, 6-159th Avn, Unit 26443, Box 123, APO AE 09182. Res: 011-49-931-706143. S: Wendy. Dy: Glebelstaft. Germany.

Leaver, Robert P., (CW2) (MS2) (Bob) 1815 Academy Street, Apt. 211B, Watertown, NY 13601. Res: (316) 785-8178. S. Karen, Dy. A Co, 3/25th AHB Helicopter Battallon. RW Qual. Time: 500 Hrs.

Leech, James R., (CW3) (M67) (Jim) 3809 Spicewood Springs Rd, No. 123, Austin, TX 78799-8953. S: Shela. Dy: A Co, 2/501st Avn, Koraa, Rtp. IFE IP. RW Qual. Time: 4,500 Hrs./Cbt 1,800 DFC1,AM34,1V.

Leffel, Larry J., (CW3) (M92) 110 Westminister Drive, Savannah, GA 31419. Dy. (912) 352-5983. Res: (912) 927-7152. Dy. C Co. 3-24th Aviation Regiment. RW Qual. Time: 1,700 Hrs./Cbt 35

Le May, Leonard N., (CWS) (M89) (Lee) 5701 Martinique Lane, Fayetteville, NC 28314, Dy. (919) 432-8435, Res: (919) 487-4270, S: Angela, Dy. AH-64, Rtg: MAA IFE SIP IP MTP. RW Qual, FW Qual, Time: 7,700 Hrs./Cbt 500 DFC/1, AM17.

Lenander, Jon F., (CW2) (M91) 10 Country Walk, Savannath, GA 31409. Dy. (912) 352-6719. Res: (912) 925-7191. Dy. AH-54A Pilot, CY1-24th Avn. RW Qual. Time: 800 Hes./Cbt 35 AM/1.

Lewis, James W., (CW2) (M90) P.O. Box 3145, APO AE 09250. Dy: OSN 467-2538. Res: 011-49-981-95621. S: Chris. Dy: A Co, 7/1 Avn Regt, 4th Bde 3ID, Katherbach Germany. Rig. AA, RIW Qual. FW Qual. Time: 600 Hrs. AM/3. Lindner, Les C., (CNZ) (M91) 637 East 48th Street, Savannah, GA 31405/2473. Dy. (912) 352-6717. Dy. A Co., 1-24 Avrn Regt.

Lindsay, James A., (CW2) (M91) (Zoomie) 5107-1 Jackson Ave., Fort Riley, KS 66442. Dyr. (913) 239-6717. Res: (913) 794-6782. St. Lisa, Dyr. UH-60 Plot/MSS, B Co. 4-1 Avn. Fort Riley, KS. FIW Oxel. Time: 900 Hrs.

Lindsey, Randal R., (CWS) (M92) (Randy) 17th Avn Bde, EACJ-EA, Linit 15270, APO AP 96205-0043. S. Kim. Dy. Stand. Offer, Camp Stanley, ROK. Rtg. MAA SIP, RW. Quall. Time: 7,100 Hrs./Cbt 890 AM/SB. Past Chapter Officer.

Lingo, James E., (CW2) (M92) HHC 2-227th Avn., Unit 20195, Box 1347, APO AE 09165, Dy. 322-7549, Res: 06181-573-279, S. Karen, Dy. UH60A Plot, Hanau Germary, RW Qual, Time: 960 Hrs./Cbt 83 DFC/1, AW1.

Lingwood, David D., (WO1) (M91) (Taz 18) 201 Lookout Ridge, Apt. 717, Harker Heights, TX 76543. Dy: (817) 288-1029. Res: (817) 690-3284. Dy: Scout Piot, C Trp. 1/7 Cav., 1CD.

Long, Michael J., (CM3) (M82) (Psycho) B Co. 1st M Bn., CMR 430, Box 1985, APO AE 09096, S DN 337-5250, Res: 0511-051942, St Brenda Kay. Dy: RC-12 Plot, Wiesbaden Ar Base, Germany, Rig: SAA, RIW Qual, Time: 3,200 Hrs. Past Chapter Officer.

Long, Thomas D., (CW2) (M90) (Tom) 1441-B Wemer Park, Fort Campbell, KY 42223-1185, Dy. (502) 798-2887, Res: (615) 437-6796, S: Alina, Dy. Army Avistor B Co. 5/101 Avn., Regt. RW Qual. Time: 600 Hrs. AM2, IV.

Loomis, Paul A., (CW3) (M89) (Mescha) C Co, 6/159th Avn Rogt, Unit 26443, Box 94, APO AE 09182. Dy: 11-48-0333*-1636. Dy; IPInstr Examiner. Rtg: IFE IP. RW Qual. Time: 2,700 His./Cbt 20 Life Member.

Lowell, Steven M., (CW2) (M93) P.O. Box 61282, Savannah, GA 31420-1282. Dy. (912) 352-5790. Res: (912) 920-7066. S: Tawn. Dyr. OH-58 Instructor Pliot, A Co., 1-24th Avn. RW Qual. Time: 1,450

Lubeld, Nelson R., (CW2) (M89) (Rod) C Troop, 66 Cavalry, Stook Barracks, APO AE 09140. Dy: 011-49-9841-83-409. Res: 011-49-9841-80237. S: Tracey. Dy: Scout Pilot. Rig: IP, RW Qual. Time: 1.150 His./Cbt. 117 AW1.

Lucius, John E., (MW4) (M87) (Ed) 7708 Hickory Glen Way, Springfield, VA 22153. Dy. (703) 325 5223. Res: (703) 455 0647. S. Debru. Dy. AH-1, AH64 Career Manager, PERSCOM. Rig. (MA. IP MTP. RIW Qual. Time: 3,500 Hrs./Cbt 600 AW12.

Lumley, David S., (CW3) (M90) (Mo-Mo) 2035 A Werner Park, Fort Campbell, KV 42223-1164, Dy; (615) 798-3970. Res: (615) 431-6529. S: Heid: O; Avn. Safety Technician, B Co. 2-101st Avn. Regt.. FW Qual. Time: 960 Hrs./Cbt 50 AW1,V.

Lundberg, William L., (CW2) (MS2) (Larry) 14 Las Tunas Cr., Savanneh, GA 31419. Dyr. (912) 352-6711. Res: (912) 927-7584. St. Sue. Dyr. C Co., 1724th Avn. Regt, Hunter AAF, GA. Rig: IP. RW Qual. Time: 1,500 Hrs./Cbt 30 AM2.

Lupien, Bradley, (CW4) (M86) (Brad) 28 Irwin Street, Fort Rucker, Al. 36362. Dy. (205) 255-3719. Res: (205) 598-1908. S: Beth. Dy. HHC, ATB. Rbg: AM21.

Lusk, Bernard R., (CW4) (M88) (Bernie) 9930 B Saratoga Road, Fort Drum, NY 13603. Dy: (315) 772-5747. Res: (315) 773-6435. S: Krystl. Dy: Div Avn Mgmt Ott, 10th Mtn Div. Rtg: MAA SIP. RW Qual. Time: 2,600 Hrs. Lusker, Chris P., (WO1) (M92) (Luke) 59 Dunn Street, Fort Rucker, AL 36362. Dyr. (205) 255-4215. Res: (205) 598-5195. S: Cassie. RW Qual. Time: 480 Hrs.

Lynch, Brian E., (CW4) (M78) 1169 Drennan Park B., Fort Campbell, KY 42223-1221. St. Lisa. Dy: C Co, 1st Bn, 160th SDAR. Rtg: AA IP SIP. Time: 3,100 Hrs.

Lyons, Todd W., (WO1) (M91) 1017 Beechnut, Apt. 7, For Walnunight, AK 99703. Dyr. (907) 353-7404. Res: (907) 356-1424. St. Linda. Dyr. A Co., 4/123rd Avn. Regt. FRW Qual. Time: 300 Hrs.

MMMMMMMMMM

Maes, Albert J., (CW3) (M88) (Josy) 2016 Mixon School Road, Ozark, AL 36360. Dyr. (206) 255-5033. Res: (205) 774-2208. S: Kathy. Dy. OH-560 IP, C Co. 1-14th Am Regt. Rig: SAA S.P. RW Qual. Time: 2,800 Hrs./Cbt 90 AM/1,1V.

Magoun, Jon E., (CW2) (M93) 801 Melbourne Drive, Enterprise, Al. 36330-2217, Dy. (205) 255-4084, Res: (205) 347-7178, S. Derise, Dy. B Co, 1-145th Avn, Fort Rucker, Al., Rig: AA. RW Qual. Time: 500 Hrs./Cbt 30 AMY1.

Maler, Robert F., (CW2) (M89) (Fluf) 1902 Kingwood Drive, Killeen, TX 76543-3956, Dy: (817) 287-7270, Res: (817) 690-8684, Dy: AH-64 Pilot, C Troop 4-6 Cavalry, Fort Hood, TX. RW Qual. Time: 900 Hrs.

Malo, William E., (CW4) (M81) (Bill) P.O. Box 4132, Fort Eustis, VA 23604. Dy. (804) 878-3266. Ress (804) 875-0181. S: Evelyn. Dy. AH-1 SIP DOCS. Rtg: MAA TP SIP. Time: 6,700 Hrs./Cbt 600 AM/12.

Mancuso, Frank S., (WO1) (M90) 92:1226 Makakilo Drive, No. 5, Kapolei, Hi 96707. Dy: (808) 684-5121. Res: (808) 672-6821. S; Angela. Dy: CH-47D Aviator, B Co., 214th NAS, Barbers Point, Hi. RW Qual. Time: 290 Hrs.

Mantra, Alfred J. Jr., (W01) (M91) (John) 1757 Buston Road, Memphis, TN 38116-9201. Dy; (706) 545-5311. S: Arry, Dy; 498th Med Co, Fort Benning, LA. RW Qual. Time: 350 Hrs.

Manhart, Thomas M., (CW3) (M89) B Troop, 6-6 Cavalry, CMR 416, Box 483, APO AE 09140, S: Cindy, Dy: Pilot, Rtg. AA IP IFE, RW Qual. Time: 2,100 Hs.

Mankle, James A., (CW4) (M92) (Andy) 1603 E. Andrews Avenue, Apt. 128, Ozark, AL 36360. Dy. (200) 255-2685. Res: (205) 774-5936. Dy. Instrutor/Writer, Fort Rucker, AL. Rig: MAA IFE SIP. RW Qual. Time: 4,650 Hrs./Cbt 950 AM/26.

Mann, Leon A., Jr. (MW4) (M71) (Larry) CASSD Unit 20101, APO AE 09165, Dy. FRIG 322-7602/741, Resc 049-68161-572944, S. Juyos. Dy. V Corps Standards, Hansu Germany, Rtg. MAA IFE SIP, RW Qual. Time: 5,700 Hrs./Cbt 60 AW1. Life Member. Peat Chapter Officer.

Manuel, William K., (CW3) (M89) (Manny) P.O. Box 523, APO AP 96508. Dyr. (907) 873-4173. Res: (907) 869-37444. S. Yvette. Dyr. Standardzation IP, Fort Greely, AK. Rtg: SAA SIP IP. RW Oual. Time: 2,700 Hrs. 89 Mcclellan Award.

Martin, Carl R., (CW3) (M89) (Sick) 238th Medical Company, CMR 402, Box 815, APO AE 08180. Dy: 486-8236, Res: 08371-64927. S: Louanne. Dy: Landstuhl, Germany, Rtg: SAA MTP, RW Qual. Time: 2,400 Hrs./Cbt 40 AM1.

Marlinez, Fernando, (CV/3) (M81) (Fred) Old Bill Chap VP Memb., 11653 Norman Montion Dr., El Paso, TX 79936, Dy. (915) 568-8853. Res: (915) 857-0726. S: Susan. Dy. IP, S Trp, 4/3

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Aviation Warrant Officer Directory

ACR, Pt. Bliss, TX. Rtg: IP MTP. RW Qual. Time: 2,800 Hrs./Cot 90 AW1. Vp, Membership Enrollment. Old Bill Chapter.

Martinez, Kevin L., (CW2) (M89) 118 Traynor Avenua, Savannah, GA 31405-6682. Dy: (912) 352-6721. Res: (912) 354-2166. S: Janet. Dy: D Troop, 2-4 Cav, HAAF, GA. RW Qual. PW Qual. Time: 600 Hrs./Cbt 27

Martin, Mary L., (CW3) (M82) P.D. Box 42062, Savarnah, GA 31409. Dy. (912) 352-5171. Dy. B Co, 224th MI (AE), Hunter AAF, Rtg: SAA IP, RW Qual. RW Qual. Time: 1,500 Hrs. Past Chap. Offor.

Matheme, Peter J., (CVS) (M91) 2500 Upchurch Drive, Lot 6, Fayetteville, NC 28306, Dyr. (919) 386-7478. Riss. (919) 424-5090, Dyr. A Co., 1-229th ATKHB "Pslyng Tigers", Fort Bragg, NC, Rtg. SAA, RW Qual. Time: 1,400 Hrs.

Matheson, John T., (CMS) (M84) C Company, 2-227th Avn., Unit 20195, Box 1612, APO AE 09165-5000. Dv. 011-49-6183-51789. Res 01149-61815-6967. S: Com. Dv. Aerescout P. Rtg. SAA IP. RW Qual. Time: 3,880 Hrs./Cbt 85 AMZ.

Mathy, Brian P., (CW3) (M82) 5/158 Avn. Regt.[Fit Det), CMR 432, Box 34, APO AE 09096. Dy. 337-51505/113. Res: 0611-561706. S: Wendy, Dy. U21 & C12 Instr. Flight Examiliarr, Wiesbaden GE. Rtg: SAA IFE IP SIP MTP, RW Qual. FW Qual. Time: 4,000 Hrs.

Matthew, Donald W., (WOC) (M92) (Don) P.O. Box 25, Belington, WV 28250-0025. S: Mary. Dy: A Co. 4/228th Avn, Unit 5704, APO AA. Mau, Clay A., (CW4) (M88) 5141-1 Early St.,

Mau, Clay N., KS 66442-1429. Dy: (913) 239-3243. Res: (913) 784-3989. Dy: 0H-58 SIP, C Troop, M Cav. Rig: AA SIP. RW Qual. Time: 4,200/Cbt 90 AM/1.

Mauss, Daniel H., (CW4) (M85) 5005 NE Dearborn, Lawton, OK 73507. Dy: (405) 351-6972. Res: (405) 353-6510. St. Irene. Dy: A Co, 2/158th Avm, Fort Sill. Rtg: MAA IP. RW Qual. Time: 3,800.

Maxwell, Dennis P., (CN/I) (M84) (Max) 208 Alegheny Lane, Enterprise, AL 36330, Dy. (205) 255-6083, Res: (205) 393-0763, Dy. Aun. Salton, Offt, Helsopater School BN, School of the Americas. Rtg: MAA IP. RIW Qual, Time: 3,100 Hrs.

Mayers, Ed R., Jr, (MW4) (M72) 1104 Craig Street, Copperas Cove, TX 76522. Dy. (817) 286-3478. Res: (817) 547-9509. S: Phylis. Dy: Standardization inst. Pilot, Combat Avn. Training Bde. Rtg: MAA IFE SIP, RW Qual. Time: 5.000 Hrs.JCbt 500 Past Chapter Officer.

Mayers, Gary W., (WO1) (M92) (Sharkn) CMR 2, Box B-12665, Fort Rucker, AL 36362. Dy: (205) 255-4711. Dy: Flight Student, RW Qual. FW Qual. Time: 300 Hrs.

McCauley, Radford C., (CW2) (M89) (Cactus) A Co., 2-1 Aviation, CMR 454, Box 3513, PO AE 09250. Dy: 49-9802-832-75. Res: 49-9802-1820. S: Virginia, Dy: Katterbach, Germany, Rtg: IP. RW Qual. Time: 2,014 Hrs./Cbt 57 AM/1

McClellan, Robt. E, Jr, (CW5) (M69) (Bob) 1270 Tylertown Road, #17, Clarksville, TN 37040-5603. Dy: (502) 798-9213. Res: (615) 648-2430. S: Donna. Dy: SOATC 160th SOAR, Fort Campbell, KY. Rtg: MAA IFE SIP. RW Qual. Time: 7,500 Hrs./Cbt 1,158 AM/36.

McClinton, Daniel M., (CW2) (M87) (Mac) 4605 Erath, Waco, TX 76710. Dy: (817) 287-2085. Res: (817) 554-3579. Dy: 175th CAC, 6th Cav Bde, Fort Hood, TX. Rtg: MTP. RW Qual. Time: 1,200 Hrs.

McCornick, James T., (W01) (M91) (Jim) 2079-A Werner Park, Fort Campbell, KY 42223-1199, Dy; (502) 798-7742, Res; (615) 431-6557, S' Kari, Dy, Atk Hel Pilot, A Trp, 2nd Sqdn, 17th Cav Regt.

McCormack, Jimmle L., (CW4) (M92) (Jimmy) 6443 Heritage Run, Morrow, GA 30269. Dy; (404) 362-7898. Res; (404) 960-0176. St. Lucy. Dy; Avn Safety Tech, HOs 2nd Army, Pt. Gillem. Rtp; MTP. RW Qual. Time: 1,200 Hrs. AM/3.

McDonough, Joseph V., (CW4) (M90) (Joe) 123 Oak Square South, Lakeland, F. 33813, Dy: (813) 648-3223, Res: (813) 648-0042, S: Linda. Dy: IP/Safety Off, FLARNG, AASF #2. Rig: MAA IFE SIP JMTP, RW Qual. FW Qual. Time: 5,000 Hrs./Cbt 926 DFC/1. AM/28.

McElmurry, Todd A., (W01) (M91) 2957 Mikes Court, Woodlawn, TN 37191. Dy. (615) 798-7442, S. Carl, Dy. 7-101st Awn, Fort Campbell, KY, RW Qual, Time: 400 Hrs.

McGee, Clifferd L., (MW4) (M70) (Cliff) 330 Oldham Drive, Clarksille, TN 37043-1007. Dy: (502) 798-0232. Res: (615) 645-4875. S: Gene. Dy: 160h SOAR (A), Fort Campbel, KY, Rig: MAA IFE. RW Qual. Time: 5,966 Hrs./Cbt 385 AM/13. McGrath, Michael P., (CW4) (M86) (Mac) 95-50 Webrewhe Loop, Millani, HI 96789. Dy: (808) 438-6084. Res: (808) 625-0270. Dy: HD USAR-PAC AH-ISP, Fort Shafter, HI. Rig: MAA SIP, RW Qual. Time: 3,000 Hrs.

McGuffin, Richard E., (CW3) (M93) (Rick) N Troop, 4/11 ACR, Unit 20804, Box 95, APO AE 09146. Dy. DSN 321-3624. Res: 011-49-661-79795. S: Amanda. Dy. Instrument. Flight Examiner, Fulda Germany. Rtg: SAA IFE. RW Qual. Timer 3,000 Hss.

McGurl, Frank M., (CW4) (M82) 6th Aviation Company, CMR 427, Box 2856, APO AE 09630, Rig: MAA IFE SIP. RW Qual. Time: 4,600 Hrs. McIntesh, Scott W., (CW2) (M90) (Mac) 724 Glen Reiby, Fayetteville, NC 28314. Dy. (S19) 365-5040, Res: (919) 868-4232. S: Melinda L. Dy. C Co, 3-229th Avn (Afk), Fort Bragg, NC. RW Qual. Time: 530 Hrs.

McJunkins, Dwayne G., (WO1) (MS2) (McJ) 3803 8 Porter Loop, Wahiawa, HI 96786, Dyr. (808) 656-2557. Res: (808) 624-8623, Sr. Valente, Dyr. UH50 Blackhawk, Pilot, A. Co., 4/25th Avn Regt, Wheeler AAF, HI. RW Qual. Time: 170 Hrs.

McLemore, Kevin D., (CW3) (M83) 6855 Green Creek Road, Fayetteville, NC 28314. Dy. (919) 386-5175. Res: (919) 686-6805. Sr. Kelle. Dy. 4H-580 IFE. Rig. SAA IP IFE. RW Qual. Time: 2,650 Hrs./Cbt. 70 AW1,V.

McMillan, Cornellius, (CW4) (M71) (Mac) P.O. Box 620961, Fort Rucker, Al. 36362, Dy; (205) 255-5033, Res: (205) 588-4679. S: Betty. Dy; OHS8D IP, C Co, 1/14 Avn Regt. Rig; MAA IP MTP. RIW Qual. FW Qual. Time: 8,400 Hrs./Cbt 865 DFC,MM1,7V. Past Chapter Officer.

McNeal, Robert A., (CW4) (M84) (Iceman) A Co., 3/227th AVn, Unit 20196, APO AE 09165-5000. S. Cheryl, Dy. AH-64 Standardization Officer. Rtg: SIP. RW Qual. FW Qual. Time: McNiff, Owen A., (CW3) (M83) (Omar) 618 Wildwood Drive, Enterprise, Al. 36330, Dy. (205) 255-5025, Pesc. (205) 393-3990, S. Jeong, Dy. Contact Eval Ptt, HHC, 1/212th Avm Regt, Lowe AHP, Fort Rucker, AL, Rtg: SAA SIP MTP, RW Qual, Time: 3,600 Hrs.

McPhenson, Kevin W., (CW3) (M91) 576-A Forney Loop, Fort Belvoir, VA 22060. Res: (703) 781-8217. S: Ninu. Dy; NCR Rt. Det, OSAC, Rtg. SAA IP IFE. RW Qual. FW Qual. Time: 3,000 Hrs. AM/1.

McRee, Michael N., (CW3) (M91) ("Easy") 4 Levee Road, Savannah, GA 31419-3308. Dy: (912) SS2-6717. Res: (912) 927-4414. S: Lorraine. Dy: A Co, 1-24th Avn Regt. Rig: SAA MTP. RW Qual. RV Qual. Time: 1,200 Hrs./Cbt 100 AM/1.

McWaters, John D., (CW4) (M72) (Muck) 1307 Falcon Trail, Copperas Cove, TX 76522, Dy. (817) 288-1106. Fes: (817) 547-2369. S: Melanie. Dy. B Co, 15th MI Bn, Fort Hood, TX, Rtg: MAA I/E SIP, RW Qual, TW Qual, Time: 6,260 Hrs./Cbt 624 AM/15. Life Member.

McWaters, Tony H., (CW3) (M87) (H20) 538 7th Street, No. B, Fort Richardson, AK 98505. Dy. (907) 552 3337. Res: (907) 428 0540. S. Derise. Dy: Training Officer, Utility Airplane Detachment. Rtg: SAA SIP. RtW Qual. RW Qual. Time: 2,700 Hs./Cbt 100 AM/2.

Meany, Denald, (CW3) (M88) (Don) 737 6th ID Loop, Fort Walnwright, AK 99703. Dy: (907) 353-750. Res: (907) 356-2812. S: Birgit. Dy: OH47D Pilot, C Co, 228th Avn. Rtg: SAA IP. RW Qual. Time: 3,400 Hrs./Cbt 50

Meely, Michael J., (CW3) (M92) (Striker) 336 E. Page Ave., Gilbert, AZ 85234. Dy. (602) 891-3633. Res: (602) 555-4406. S. DeArn. Dy. DPHO McDonnet/Douglas Helicopter, Mesa, AZ. Rtg. IFE SIP. RW Qual. Time: 2,800 Hrs./Cbt 50 AM/2,1V.

Meier, John P., (CW2) (M89) 1223A Werner Park, Fort Campbell, KY 42223. Res. (615) 431-2088. S. Karen. Dy: Aviation Safety Officer/Cobra Pilot, A Trp. 2/17th Cav. RW Qual. Time: 730 Hrs.

Meloen, Marc E.J., (CW2) (M91) P.D. Box 5062, Fort Hood, TX 76544-0062, Dy: (817) 287-4179. S: Wilma. Dy: 8 Co, 2-158th Avn Regt. RW Qual. Time: 580 Hrs.

Merryman, Matthew L., (WO1) (M92) 25 Thome Street, Fort Rucker, Al. 36362. Dyr. (205) 255-5049. Res: (205) 598-9538. S: Elisabeth. Dyr. D Co. 1-223rd Avn. Regt.. RW Quel. Time: 190 Hrs. AM71.

Metz, Ury T., (W01) (M91) D Co, 5-158th Avn Regt, Unit 26441, APO AE 09182 Dy: 09334-87679. Res: 09337-2217. Dy: 0H58D Pliot, Glebelstadt, GE, RW Qual, Time: 450 Hrs.

Meyer, Andrew B., (CW4) (M89) (Anxly) 121 East Luzon Drive, Fort Bragg, NC 28307-6011. Dy: (919) 396-7478. Res: (919) 497-8628. S. Nancy. Dy. A11-229, ATK-HS. Rtg: SAA TP. RW Qual. Time: 2,850 Hrs. AM1.

Mikeska, E.J., Jr., (CW3) (M89) (E-Hogg) CMR 454, Box 2516, APO AE 08250. Dy. DSN 467-2655. Res: 09-802-9658. S. Karen. Dy. AH-64 Maint Test Hight Exam/Prod Control Ofor, D Co, 3-1 Avn Regt. Rig: IP MTP. RW Qual. Time: 2,450 Hrs.

Millen, John G., (W01) (M92) 700 E. Centex, Apt. 211, Harker Heights, TX 76543. S. Nancy. Dy. Aviator, AHB Tng Bn One, Fort Hood, TX. RW Qual. FW Qual. Time: 200 Hrs.

Miller, Robert M., (CW4) (M91) (Bob) A Co., 5/159th Avn. Regt., Unit 25444, Box 83, APO AE 09182. Dy. DSN 352-7680. Res: 0931-702657. S:

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Aviation Warrant Officer Directory

Cornelia. Dy: Standardization IP-CH47D. Rtg: SIP. RW Qual. Time: 3,500 Hrs./Cbt 50 AW1.

Mivifie, Phillip M., (CW2) (M89) A Co. 3-1 Avn., CMR 454, Box 1624, APO AE 08250, Dy. 4572-610. Res: 08672-1065. S: Kristin. Dy. AH-64 Instructor Plot, Katlerbach Germany. Rig: IP. RW Qual. Time: 1,350 His,/Cbt 50 AWZ.V.

Moczynski, Dale P., (CW2) (M92) 553 Andover Road, Fayetteville, NC 28311. Res: (919) 630-3560. S: Renate. Dy, Armed Recon Hoptir Pilot, D Trp, 4/17 Cav. RW Qual. Time: 1,500 Hrs./Cbt 40 AW1.

Mohr, Brian L., (CW4) (M86) 419 Funston Road, Wahiawa, HI 96786. Dy. (808) 656-4030. Res: (806) 624-5610. S. Junga. Dy. USA Hawai Avn Salety Ofor, Installation Safety Office. Rtg: MAA. RW Qual. Time: 3,000 Hrs./Cbt 436 AM/17.

Moinian, Shapour, (CM3) (M93) (Shap) O Troop 411 ACR, Unit 20804, Box 438, APO AE 09146. Dy: 3213 688. Res: 0661-59433. S. Arke. Dy: AH-64A Test Plot. RW Qual. RW Qual. Time: 2,700. Moltenberry, John S., (CW4) (M83) (John) 1412. Eagle Trail, Copperas Cove, TX 76522. Dy. (817)

Moltenberry, John S., (CW4) (MS3) (John) 1412 Eagle Trail, Copperas Cove, TX 78522, Dy, (817) 287-9979, Pess: (817) 542-3864, S. Teri, Dy: OH-S8D MTFE Kowa Warrior, CATT, CBT Avn Ting Bde, Fort Hood, TX, Rig: SAA MTP, RW Qual. Time: 7,125 Hs., 91 Trainer Of Year.

Monaghan, Michael F., (CW2) (M86) (Mile) D Co., 4:29th AM-IR, CMR 416, Box 969, APO AE 09140. Dy: DSN 457-4711. Res: 09641-3173. S: Christne. Dy: Act Armament Tech (AH-64), llesheim, Germany. VP, Memb. Ernollment, Talon Chapter.

Montgomery, Nicholas W., (CW4) (M90) (Nick) 610 Orangewood Drive, Conroe, TX 77302, Dy. (409) 539-4311, Res: (409) 273-2474, S. Lynn. Dy: Aviation Safety Officer, 7th Sqdn 6th Cav Regt (ATKHS), RW Qual, FW Qual, Time: 1,700 Hrs/Cbt 300 DFC1, AMA, IV.

Montgomery, Thomas L., (CW2) (M87) (Monby) 11 7th AV, Fort Rucker, AL 36362, Dy. (912) 598-6641, S.: Coanna, Rtg: SAA IP, RW Qual, Time: 2,300 Hrs.

Monty, Jr., William R., (CW2) (M93) High Desert Chap VP Prog. 28157 Church Avenue, Barstow, CA 92311. Dy. (619) 386-5475. Res: (619) 252-5419. S: Katherine. Dy. C Co, 3/159th Avn. RW Qual. Time: 1,900 Hrs./Cbt 170 AW2. Vp. Programs. High Desert Chapter.

Moon, Cohn R., (WO1) (M92) 1721 University Avenue, No. C-7, Fairbanks, AK 99709. Dy: (907) 353-6864. Res: (907) 474-0368. Dy: Aviator, C Trp., 4-9 Cav, Fort Wainwright, AK. RW Qual. Time: 300 Hrs.

Moore, Andrew C., (W01) (M91) 2906 Lisa Lane, Arlington, TX 76013. Res: (817) 548-0651. Dy: 1st Cav Div, Fort Hood, TX. RIW Qual. Time: 350 Hrs.

Moore, Danny F., (CW4) (M83) (Dan) 2950A Summerall Clircle, Fort Eustis, VA 23604-5000. S: Karen. Dy: USAALS Safety Officer. Rtg: MAA, RW Qual. FW Qual. Time: 2,700 Hrs.

Moore, Franklin D., (CW4) (M93) 547-8 Dickman Road, Fort Bliss, TX 79906, Dy. (915) 568-8994. Res: (915) 562-8305. S: Greta. Dy. Sqdn. Stds. Officer, 4/3 ACR, Fort Bliss, TX. Rig: IFE SIP. RW Qual. FW Qual. Time: 5,750 Hrs./Cht 35

Moran, Homer L., (CW4) (M74) (Larry) P.O. Box 331093, Fort Lewis, WA 98433. Dy: (206) 967-4107. Res: (206) 964-3214. S: Bonnie. Dy: Aviation Maintenance Technician, 20th MMC. Rto: AA.

Morgan, James D., (CW4) (M85) (Jim) P.O. Box 620896, Fort Rucker, AL 36362. Dy: (205) 255-2531. Res: (205) 333-1487. S: Marsha. Dy: SIPHFE, HODA DES. Rg; MAA IFE SIP. RW Qual. Time: 3,800 Hrs. Cbt. 80 AM/1.

Moring, Renald C., (CN4) (M65) 228 Eastwood Avenue, Fayetteville, NC 28301. Dy: (919) 395-2614. Fles: (919) 822-3962. S: Rene. Dy. HHC, 1/82nd Avn Battalon, Rtg: SAA SIP. RW Qual. Time: 3,015 Hrs./Cbt 10 AM/1,V.

Marrill, Robert L., (CW2) (M91) (Bob) 209 Anzio Road, Fort Ord, CA 93941. Dyr. (408) 242-3534. Res: (408) 394-7362. St. Tammy. Dyr. Avn. Maint. Technician, D. Troop 2-9° Calv..

Morrill, Sean, (CW3) (M89) 1812 Diana Lane, Harker Heights, TX 76543. Dy; (817) 288-1106. Res: (817) 688-1218. S: Renee, Dy; RC-12D Pick B Co, 15th MI, Fort Hood, TX, RM Qual. FW Qual. Time: 1,990 Hrs./Cbt 43 AM/1.

Morse, William R., (CW2) (M91) (Bill) A Co., 7-227 Aviation, Unit 20197, Box 185, APO AE 01-65. Dy: DSN 322-7793-7737. Res: 01-49-6051-5672. S: Angel. Dy: UH-60 Pilot, Hanau Germany. Rtg: AA. RW Qual. Time: 800 Hrs.

Mull, Lawrence A., Jr. (CW3) (M84) (Larry) C Co. 6-159b Avn. Rept., Lint 25443, Sox 143, APO AS 69182. Dy. 011-49-09334-87-312-304. Res 011-49-0931-275824. S: Yongi, Dy. Avn Maint Tech. Gebelstaft AAF, Germany, Time 2, 100. Life Mornb. Mullen, Paul R., (CW3) (M91) 315 Hill Road, Southern Pines, NC 28387. Dy. (919) 396-6196. Res: (919) 695-1207. S: Cydney, Dy. C Co. 1/229th Avn Rept, Fort Bragg, NC. Rig: MTP. RW Qual. Time: 2,100 Hrs.

Mullens, Ralph E., (CW4) (M81) 1858 Coventry Way, Jonesboro, GA 30236. Dy. (404) 362-7176. S: Annelies. Dy. 2nd Army Avn Readiness Group, Ft. Gillem, GA. Rig: MAA MTP. RW Qual. Time: 2,600 Hrs./Cbt 400 AM.

Murdock, Mark M., (CW3) (M85) 2803 Rocky Branch Drive, Enterprise, Al. 36330. Dy. 03-787-7412. Res: 03-771-0692. S: Cathy. Dy. UH-60 Instructor Pilot, Am Taft, Kingdom of Saudi Arabia. Rig: IP. RW Qual. Time: 2,200 Hss.

Murphy, William R., (MW4) (M91) (Bill) 103 Brookshire Drive, Enterprise, A. 36330-4110. (205) 255-8126. Res: (205) 393-1828. S. Judy. Dy: Standardization Officer & Opns Officer, USAATTC, Fort Flucker, AL. Rtg: MAA SIP. RW Qual. Time: 7,100 Hrs./Cbt 1,700 AM/41.

Murtsgh, Francis W., (CW4) (N81) (Frank) 15212 Illinois Road, Woodbridge, VA 22191. Dy. (703) 687-0487. Fee; (703) 490-1184. S. Lonine. Dy. HODA,DAL,D-AV,Avn Weapons Sys. Logistician, Safety Officer, Pentagon. Rig: MAA MTP, RW Qual. Time: 3,000 Hrs./Cbt 500 AMT9.

Myers, Raymond A., (CW3) (M92) 6136 East Hill/lew Street, Mesa, AZ 85205. Dyr. (602) 891-3822. Res: (602) 924-9664. S: Kim. Dyr. DPRO Acceptance Test Plot. Rtg: MTP. RW Qual. Time: 2.800 Hrs.

Myers, Tory R., (CW3) (M85) (Spike) 91 Red Cloud Rd., Fort Rucker, Al. 36082-2332. Dy. (205) 255-3551, Res: (205) 598-4830. S: Lisa. Dy. AH64 SIP, DY1-14. Rtg. SAA SIP. RW Qual. Time: 2,550. Nagle, William S., (CW3) (M83) (Bull) 6882 Green Creek Road, Fayelleville, NC 28314. Dy. (919) 396-2609. Res: (919) 884-0638. S.; John. Dy. OHS80 IP, 1/17 Cav. Rtg. SAA SIP. RW Qual. Time: 3,000 Hrs. JOb. 100 AW1. Past Chap. Diff. Nailor, John F., (CW2) (M91) (Storm) D Co., 502nd Avn. Regt., Unit 29701, APO AE 09028. Dy. 048-621-779-5154/5363. Res: 049-6201-44702. Dy. CH47D Pilot.

Nance, J. Louis, (CW5) (M92) 3836 Justice Road, Florissant, MO 63034. Dy: (314) 263-3826. Res: (314) 921-9015. S: Melba. Dy: Directorate of International Logistics, ATCOM, St. Louis, MO.

Nation, Lance E., (CW2) (M89) 4119 Freedom Lane, Hope Mills, NC 28348-2612. Res: (919) 425-5876. S: Margie. Dy: OH-SBO (I) MTP, C Troop, 1/17th Cay, Fort Bragg, NC. Rig: MTP, RW Qual. Time: 800 Hrs. Past Chapter Officer.

Navarro, Herbert R., (CW3) (M92) (Herb) 327 Southern Drive, Clarksville, TN 37042. Dyr. (502) 798-4562. Res: (615) 648-4883. S. Shirley. Dyr. Husy Pilot, Unit Trainer, Fort Campbell, KV. Rig: SAA. RW Qual. Time: 1,800 Hrs./Cbt 50 AM/1.

Nelson, Michael E., (CW3) (MS2) (Mike) 882 State Street, Carthage, NY 13619. Dyr. (315) 772-3773. Res: (315) 433-3843. St Marion. Dyr. Instructor Pilot, Fort Drum, NY. Rig. SIP, RW Qual. Time: 2,750 Hrs./Cbt 75 AM/1.

Newsom, Larry W., (CW4) (M86) P.O. Box 16173, Fort Biss, TX 79906. Dy: (915) 568-1673. Res: (915) 594-8714. S: Carol. Dy: Avn Safety Officer, OTSA. Rig: MAA. RW Qual. Time: 3,100 Hrs./Cbt 781 AM/2. Life Member.

Noble, Norman R., (CW3) (M89) P.O. Box 4437, Fort Eustis, VA 23604. Dy: (804) 878-1637. Rtg: MTP, RW Qual.

Nobles, John C., (CW4) (M85) (J.C.) B Troop, 7/227th Avn, Unit 20197, APO AE 09165. S: Sarah. Dy: OHS6D Instrument Flight Examiner, 1st Armor Div. Rtg: MAA IFE. Time: 4,800 Hrs./Obt 650 DFC/1, AM/23.

Norton, Christopher, (WD1) (M92) 24978 Camino Del Sol, Barstow, CA 92311-3393. Dy: (619) 386-3087. Res: (619) 253-3668. S: Tammy. Dy: Aviator, C Co, 3/159th Avn. RW Qual. Time: 200 Hrs.

Norvell, Harlow W., (CW2) (M83) 1421 Kingsley Lane, Carson City, NV 89701. Dy: (702) 972-2711. Bes: (702) 883-7410. S: Cindy. Dy: Inst. Fit. Examiner, Army Avn Spt. Facility, Reno. NV 89506. Btg: SAA TP SIP IFE. RW Clust. FW Clust. Time: 3,500 Hrs.

Novak, Robert J., (CW2) (M86) (Bob) 981 Mayapple, Clarksville, TN 37042, Dyr. C Co., 2-101st Avn, Fort Campbell, Rtg: IP, RW Qual. Time: 1,400 Hrs./Cbt 25 AW1.

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Oates, Foster, Jr., (CW4) (M83) (Reo) 106 S. Valley HII Drive, Enterprise, Al. 26330-1156, (205) 255-2460. Res: (205) 393-1677. S: Tricia. Dy: Ch. Cargo (Utility FSD, HHD, 1-11th Avn Regt. Rig: MAA IFE. FW Qual. Time: 5,000 Hrs. Oberlander, Jeffrey S., (CW2) (M90) (0B) 1118 Tallstone Road, Fayettieville, NC 28311. Dy: (919) 396-8517. Res: (919) 630-0155. S: María. Dy: Safety Off, 172291h ATKI-18.

O'Donnell, Kirk A., (CW2) (M92) (Rollers) 5115-1 Pelham, Fort Filey, KS 66442, Dy. (913) 239-6631. Res: (913) 784-4296. S: Deborah. Dy: EH-60 Instructor Pilot, A Co, 4th Bn, 1st

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Aviation Warrant Officer Directory

Avn Regt. Rtg: SAA SIP. RW Qual. PW Qual. Time: 1,987 Hrs.

O'Donnell, Patrick A., (CW2) (M93) (OD) 6368 R.S. Bradley Blvd., Clarksville, TN 37042. Dy: (502) 798-3970. Res: (615) 551-4562. Dy: Apache Pilot, B Co, 2-101st Avm.

Oldroyd, William C., (MW4) (M81) (Curt) 8051 Oak Hollow Lane, Fairfax Station, VA 22039. Dy: (703) 695-9471. Res: (703) 690-5953. Deborah. Dy: HODA, ODCSPER, Washington, DC. Rtg: MAA SIP. Time: 4,000 Hrs./Cbt 600 Olson, Donn D., (CW5) (MS2) 11690 Benington, Month Pd. Parters VA 29064.1610. Dy. (202)

Olson, Donn D., (CW5) (M92) 11690 Benington Woods Rd., Reston, VA 22094-1610. Dy; (705 655-9636. S: Sherry. Dy: H0DA, OD:CSOPS, DAMO-FDV, Pentagon, Washington, DC. Rtg: MAA SIP. RIW Qual. Time: 6,990 Hrs. CDt 2,000

Oros, Robert E., (CW3) (M81) 485 Waterbury Drive, Fayetteville, NC 28311-1302. Dy: (919) 396-8002. Res: (919) 822-8044, S: Molina. Dy: A Co. 2/159th Avn. Fort Bragg, NC. Rtg: SAA IFE SIP. RW Qual. Time: 2,500 Hrs.

Osterlund, Richard B., (CW4) (M88) (Rick) A Co., 5-158th Avn Regt, CMR 432, Box 111, APO AE 09096. S: Susan. Dy: SP/IE, US Army. Rtg: MAA SIP IFE. RW Qual. Time: 6,000 Hrs.

Osterman, Paul L., (CW3) (M93) (Poopste) 645 Bunker Hill Road, Clarksville, TN 37042, Dy; (502) 798-3970. Res: (615) 647-8920. S; Taeko, Dy; OH58 Instructor Pilot, Rig; IP. RW Qual. Time: 3,000 Hrs./Cbt 80 AW1.

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Paget, Cleve G., (WD1) (M91) 5116 Snow Street, Fort Bles, TX 79906, Dy. (915) 568-2581. Res: (915) 562-0655. S: Jenifer. Dy: O Troop, 4th Spdn, 3rd ACR. RW Qual. Time: 550 Hrs.

Pals, Rodney L., (CW2) (M91) 146 Hagen Street, Fort Bragg, NC 28307. Dyr. (919) 365-9070. Resr. (919) 864-1834. S. Rhonda. Dyr. UH-60L Pilot, A Co. 2/82nd Avn. Bde.. Rtg: AA. RW Qual. Time: 600 Hrs.

Pardue, James R., (CW3) (M82) (Randy) 3621 E. Porter Loop, Wahiawa, HI 99768-3675, (808) 656-2622. Res: (808) 624-4450. S. Judy, Dy: OH-58 IP, C Co, 1-25 Avn Regt, WAAF, HI. Rig: SAA SIP. RW Qual. Time: 2,500 Hrs./Cbt 73 AM/1.

Parkins, Randall R., (CW4) (M79) 115 Copperfield Drive, Savannah, GA 31410. Dy: (912) 352-6535. Res: (912) 898-0756. S: Nancy, Dy: HHC Combat Aviation Brigade, Hunter AAF. Rtg: MAA. Time: 4,000 Hrs./Cbt 100 AM/1.

Pascalar, Michael C., (CW3) (M85) 1137 East Williams St., Barstow, CA 92311. Dy. (619) 254-3301. Res: (619) 255-1416. S: Susan. Dy. C12/U21 Inst Fit Examiner/IP, California GSAC Fit Det, Barstow, CA. Rtg: SAA IP IFE. RW Qual. Time: 6,000 Hrs. AM1. Life Member.

Pawlek, Richard C., (CW3) (M91) (Rick) 302 Morningview Drive, Enterprise, AL 36330-4140. Dy: (205) 255-3551. S: Sherri. Dy: AH-644 Instructor Pilot, D Co. 1-14th Avn. Rig: SAA IP MTP. RW Qual. FW Qual. Time: 2,300 Hrs.

Pease, Donald F., (CW3) (M82) (Don) 8 Ashton

Road, Savannah, GA 31419. Dyr. (912) 352-6306. Res: (912) 925-3326. S: Linda: Dyr. B Co., 3-24th Avn Regt, Hunter Army Airfield, GA. Rtg.: SAA. RIW Qual. Time: 3,450 Hrs./Cbt 145 AM/1.

Peckham, Stephen W., (CW3) (M86) (Steve) 8262 Lewis Place, Orlando, FL 32827. Dy; (407) 623-3545. Res: (407) 856-1561. Dy; HSC, MI Bn (LI). Rtg: SAA MTP IP. RW Qual. FW Qual. Time: 1.640 Hrs.

Penick, Edward S., (CW3) (M83) (Ed) 308 E. Emerald Drive, Enterprise, Al. 36330. Dy: (205) 255-5033. Res: (205) 347-0127. Dy: C Co, 1-14 Avn, Fort Rucker, AL. Rtg: SAA SIP. RW Qual. Time: 4-700 Hrs.

Penez, Jaseph, (CW4) (M89) (Joe) 1902 Eisenhower, Killeen, TX 76543, Dyr. (817) 737-8020, Res: (817) 634-2570. S: Jeanmette. Dy: Stdzn/Rt Ops Officer, 4/6 Cav, 6th Cav Bide, Fort Hood, TX, Rtg: MAA IFE. RW Qual. FW Qual. Time: 7,145 Hrs./Cbt 1,001 DFC3, AM41,2V.

Perkins, Thomas D., (CW2) (M90) (Jethro) HHT 5-17 Cavalry, Unit 15038, APO AP 96224-0217. S: Tracy Lee. Dy: Squadron Standards Officer. Rtg: IP SIP. RW Qual. Time: 2,300 Hrs./Cbt 214 AM/3. Past Chapter Officer.

Peterson, Arthur F., (CW2) (M89) 112 King Cole Drive, Clarksville, TM 37042. Dy: (S02) 798-2658. Res: (615) 431-556. Dy: UH-80 Plot, A-4/101st Avn Regt, Fort Campbell. Rtg: AA. RW Qual. Time: 750 Hrs./Cbt 120 AW2.

Peterson, John L., (CW4) (M79) CMR 430, Box 718, APO AE 09096. Dy: 322-7799. S: Jo Ann. Dy: AH-64A Instrument Examiner, V Corp., Stden & Sim Det (CASSD). Rtg. MAA IFE SIP. RW Qual. Time: 4,800 Hrs./Cbt 735 DFC/1, AM/30. Past Chapter Officer.

Peterson, Robert M., (CWS) (M67) (Pete) 94-1081 Ananta Chrile, No. 11, Millani, H 96789. Dy. (808) 438-9892. Res: (808) 622-7454. S.: Melody. Dyr. Awn Log Mgr. Rtg: MAA TP. RW Qual. FW Qual. Time: 4,245 Hrs./Cbt 655 AM/15. Vp, Programs, Aloha Chapter.

Petrak, William J., (CW2) (M88) (8ii) 14376 McArt Road, Apt. 60, Victorvile, CA 92392. Res: (619) 951-7254. Dy: C Co. 3/158th Avn, Aviator, Fort Invin, CA. Rtg: AA. RW Qual. Time: 1,350 Hrs.

Petrie, Charles D., (CW2) (M90) (Chuck) 20 Waal Place, Fort Bragg, NC 28307. Dy: (919) 396-9458. Res: (919) 960-0049. S: Terri. Dy: B Co, 1-159th Avn Regt. RW Qual. Time: 500 Hrs.

Pfau, William E., (CW4) (M85) (Bil) 103 Wallace Drive, Rte 1, Daleville, Al. 36322. Dy: (205) 255-6008. Res: (205) 393-2163. S: Lynda. Dy: A Co, 1-14th Avn. Rtg: SAA IP. RW Qual.

Phillabaum, John E., (CW2) (M89) 301B Stewart Street, Fort Benning, GA 31905. Dy; (706) 545-5311. Res: (706) 689-9929. S: Kim. Dy; Evac Pilot, Fort Benning, GA. RW Qual. Time: 1,100 Hrs.

Phillips, Dennis J., (MW4) (M72) GA OSAC Fit. Det., 4185 M. L. King, Jr. Dr., Atlanta, GA 30336-1696, Dyr. (404) 691-2500. Res: (404) 819-8931. S: Lorraine. Rgr. MAA TP. RW Qual. FW Qual. Time: 5,400 Hrs.

Phillips, John A., (CW3) (M82) 3724-A Legge Court, Columbia, SC 29206, Dy. (903) 778-7033. Res: (903) 738-0910. St. Colleen. Dy. AHFA Maint Test Pilot, 2nd Army, Resident Training Det. Rtg: SAA MTP. RW Qual. Time: 3,000 Hrs./Cbt 82 AW2_1V. Phillips, Peter R., (CW2) (M89) B Co., 7-227th Avn., Unit 20197, Box 237, APO AE 09165. Dy: 011-49-6183-51673. Res: 011-49-6161-572117. S: Chef Lyn. Dy: Hanau, Germany. RW Qual. Time: 750 Hrs./Cbt 110 AW1.

Phipps, Curtis R., (CWZ) (M88) 5566 Arapahoe Court, Fayettevile, NC 28304. Dy. (919) 396-9060. Res: (919) 423-2399. St Laura. Dyr. D Troop, 4/17 Cay, Fort Bragg, NC. Rtg: IP. RW Qual. Time: 1,150 Hrs.

Pickett, Jack, (CW4) (M85) 120 Lakemont Circle, Fayethville, GA 30214, Dy: (404) 691-2500. Res: (404) 460-5992, St. Jerl. Dy: Pilot, GA OSA Fit Det. Rig: SAA. RW Qual. PW Qual.

Pillado, Andrew S., (CW2) (M92) (Andy) 2053 Aaniv Place, Pearl City, HI 96782. Dy: (808) 656-1355. Res: (808) 456-6508. Dy: AH-1 MTP, C Trp, 597 CW, HAAF, Riy SAA MTP, RW Qual. Time: 1,950 Hrs./Cbt 108 AM/1,V.

Pontes, William J., (WO1) (M91) (Hammer) A Co, 1-2 Avlation, APO AP 96257. S: Alisa. RW Qual. Time: 270 Hrs.

Porter, Timothy A., (CW3) (M87) (Dr. Jz) 9843-A Sandy Creek Road, Fort Drum, NY 13603-3403. Dy: (315) 772-7772. Res: (315) 773-1758. S: Christine. Dy: IP/IFE, Pr. Drum, 229th Medievac. Rig: SAA IFE IP. RW Qual. Time: 3,000 Hrs. AMV1.

Povla, Michael R., (CW2) (M89) (Mike) 1350 Peachers Mill Road, Clarksville, TN 37042. Dy: (502) 736-2781. Res: (615) 647-9082. S: Birgit. Dy: B Co, 1-101st Avn Regt, Fort Campbell, KY. RW Qual. Time: 600 Hrs.

Powell, Bradford A., (CW4) (M89) (Boog) 1807 Warren Drive, Clarksville, TN 37040. Dyr. (502) 738-7083. Resr. (615) 647-7688. Sr. Kathleen. Dyr. 160th Spec Opris Avin Regt, Syst Integ Olc. Rig: MAA IP. RW Qual. Time: 4,000 Hrs. Life Member.

Prewitt, David A., (CW4) (M82) (Dave) AAAA Natl Member-at-Large, 2508 Pembroke Court, Woodbridge, VA 22182, Dy; (Y03) 325-5284, Pisc (Y03) 490-5745. S. Susan. Dy; Career Manager, PERSCOM. Rbp: MAA IFE SIP IP, RW Qual. FW Qual. Time: 4,500 Hrs. AW11. NEB.

Price, Derrick O., (WOC) (M91) 502 Bjornstad Street, Fort Benning, GA 31905. Dy. (706) 545-3418. Res: (706) 682-0435. S: Christane. Dy. HHC, 1/11th Inf. (DOT Avri). RW Qual. Time: 475 Hrs.

Priddy, Donald E., (MW4) (M83) (Don) 8 Lake Pembroke Drive, Ferguson, M0 63135-125-Dy; (314) 25-3-3232, Res; (314) 521-5291. S: Jan. Dy; ATCOM Maint Div, St. Louis, M0. Rtg: MAA, RW Qual, FW Qual, Time: 3,600 Hrs./Cbt 700 AM/18.

Prieto, Jase E., (CW3) (M87) (Joe) 7 Cove Drive, Savannah, GA 31419. Dy. (912) 352-6306. Res: (912) 925-3442. S: Karen. Dy. UH-60 IP, Hunter AAF, GA. Rity: SAA IP. RW Qual. Time: 3,300 Hrs./Cbt 135 AM/2.

Proctor, Brian K., (CV/3) (M82) 2230 Komo Mai Drive, Pearl City, HI 96782. Dy. (808) 656-1390. Res: (808) 455-6983. S: Rita. Dy: MTP, B Trp, 579 Cav, Wheeler Army Alfield. Rig: SAA MTP. RW Qual. Time: 1,900 Hrs.

Pryby, Todd L., (CW2) (M88) (Primate) 615 Georgia Avenue, Hinesville, GA 31313. S: Carol. Dy: Army Aviation, A Co, 3/24th Avn, Hunter AAF, GA. Rtg: AA. RW Qual. Time: 1,000 Hrs./Cbt 110 AM/2.

Pulver, Charles K., (W01) (M91) 3716D McCornack Road, Wahlawa, HI 96786. Dy. (808) 656-1390. Res: (808) 624-2369. S: Shawna. Dy:

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Aviation Warrant Officer Directory

Aeroscout Pliot, B Trp, 5/9 Cav. RW Qual. Time: 575 Hrs.

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Quelpo, Roy, (CW2) (M89) Route 7, Box 132, Durn, NC 28334-846, Dy. (919) 396-4122. Res: (919) 882-6297. Sr. Patti. Dy. A/1-159 Avr., Fort Bragg, NC. RW Qual. FW Qual. Time: 900 Hrs./Cbt. 70 AM/1.

Quinones, Raymond A., (CW2) (M86) (Tony) 100 Stoneridge Road, Enterprise, Al. 36330. Dy: (205) 255-6031. Res: (205) 393-5231. S. Linda. Dy: Instructor, A Co, Helicopter School Bn, School of the Americas, Rtg. AA. RW Qual. Time: 900 Hrs./Cbt 3 AM/1.

Rabe IV, Otto F., (WOC) (M91) (Emricos) E Troop, 1-1 Cav, CMR 401, Box 531, APO AE 09076. S: Shyla.

Rademacher, Peter A., (CW4) (M90) 627 Sperry Loop, Wahiawa, HI 96786. Dy: (808) 656-1147. Res: (808) 624-8933. S: Susan. Dy: Safety Officer, 5-9 Cav, 25th ID. Rtg: MAA. RW Qual. Time: 2,500 Hrs.

Rahm, Michael B., (CW3) (M93) (Mike) 401A Signer Blvd., Honolulu, HI 96818. Dy. (808) 449-0342. Res: (808) 422-4284. S: Bella. Dyr. USASCH Pt Det, Hickarn AFB, HI. Rtg: SAA SIP. RW Qual. FW Qual. Time: 4,500 Hrs.

Rahn, Joseph R., (WO1) (M91) 3012 4th Ave., N, Great Falls, MT 59401. Res: (406) 454-0931. Dy: Hunter Army Airfield, GA. RW Qual. Time: 600 Hrs.

Ramiccio, John G., (CW2) (M91) (Meech) 210 Northwest Avenue, Fayetteville, NC 28301-3830. Dy; (919) 396-7776. Res: (919) 822-8294. S: Cathie. Dy: Aviator, Fort Bragg, NC. RW Qual. Time: 600 Hrs.

Remsey, William H., (CW4) (M71) (Fuf) B Co., 7-227th Avn Bn., Unit 20197, Box 236, APO AE 09165-5000. Dy. 222-7673. Res: 06181-55476. S: Terry. Dy. OHSBO SIP, Hansu Germany. Rtg: MAA SIP. RW Qual. Time: 6,600 Hrs./Cbt 70 AM3.

Riandall, Craig V., (CW4) (M81) 2134 Colonel Way, Odenton, MD 21113. S: Janice. Dy: F/W SP. Rtg: MAA SIP. RW Qual. FW Qual. Time: 7.650 Hrs.

Rapp, Howard L., (CW4) (M85) Box 1581, APO AP 96555-5000. Dy: 803-238-2779. Dy: Av Safety Officr, Kwajalein Atoli. Rtg: MAA SIP MTP, RW Qual. PW Qual. Time: 6,000 Hrs./Cbt 200 AM/4.

200 AM/4.

Rash, Lonele D., (WO1) (M90) (Lonzo) Cambridge
Amrs Agts., Apt. 8-E, Fayetteville, NC 28303. Dyr.
(919) 396-8180. Res: (919) 868-5951. Dyr. C.
Troop, 4th Sqdn, 17th Cav Regt, Fort Bragg, NC.
RW Qual. Time: 300 Hrs. AM/1.

Reardon, James C., (CW3) (M92) (Jim) 6th Aviation Det., CMR 427, APO AE 09630. Dy: ETS 634-7667. Res: 011-39-444563803. Dy: C-12 Pliot, 6th Avn. Co. Voenza, Italy. Rig: SAA. RW Qual. PW Qual. Time: 2,650 Hrs.

Reed, Alan E., (WO1) (M92) 118 Green Acres, White City, KS 66872. Dy: (913) 239-2234. Res: (913) 349-2363. S: Paula. Dy: A Co, 4/1 Avn Regt, Fort Riley, KS. RW Qual. Time: 285 Hrs.

Reel, Derek A., (CM2) (M91) 69 Dunn Court, Apt. 8, Fort Benning, GA 31905-2110. Dyr. (705) 545-3418. Res: (706) 682-4645. S: Theresa. Dyr. DOT Avn Div. RW Qual. Time: 900 Hrs.

Renfroe, Mika, (MW4) (M91) HHC, 12th Aviation Bde, Unit 29632, Box 4966, APO AE 09096, Dy. 337-5499, Res: 0911-564296, S. Paula. Dy. Statin. Officr., Westbaden, Germany, Pitgr. MAA SIP, RW Qual. Time: 6,300 Hrs./Cbt. 1,100 DFC/1, AMV1.

Rene, Alice A., (CW3) (M82) (Ace) 3362 Tara Boulevard, Clarksville, TN 37042. Dr. (502) 796-7388. Res: (515) 645-9191. Dy. AH-64 Armt Pit Ldr, A Co, 8/101st Avn. Rtg: SAA.

Retziaff, Gary J. Jr., (CW2) (M92) (Chip) 1603 Friendly Road, Dunn, NC 28334. Dy: (919) 396-5541. Res: (919) 892-8442. S: Mary. Dy: Apache Pilot, B Co, 3-229h Avn (Alb), Fort Bragg. NC. RW Qual. Time: 502 Hrs.

Reynolds, David S., (WC)1) (M92) (Drac) 5746 Dodson Drive, Fayetteville, NC 28311. Dyr. (919) 396-1771. Resr. (919) 488-0488. St. Laina. Dyr. C Co., 2/82nd Avm Bn, Fort Bragg, NC. RW Qual. Time: 300 Hrs.

Rhode, William F., (CM3) (M92) (Bill) HHC 4th Bde, Safety & Stan, Unit 20194, APO AE 09165. S: Donna. Rtg: SAA. RW Qual. Time: 2,500 Hrs./Cbt 80 AM/2.

Rhyme, Timothy N., (CW3) (M91) 215 Whipporwill Lane East, Richmond Hill, GA 31324-935. Dy; (912) 352-6721. S. Kim. Dy; AH-1F-Instructor Pilot, D Troop 2/4 Cav. Hunter Army Airfield. Rtg: SAA SIP, RW Qual. Time: 3,000 Hrs /Cbt 50 AM/1.

Rice, Alfred L., (CW3) (M91) (Al) 203 Oskbluff Drive, Enterprise, Al. 36330. Dy: (205) 255-4811. Res: (205) 347-3558. S: Mavi. Dy: Alfreid Safety Officer, 1-223rd, ATB. Rtg: IP. RW Qual. Time: 3.500 Hrs.

Richardson, Bobby L., (WO1) (M93) (Thumper) No 11, Price Apartments, Daleville, Al. 36322, Dy. (205) 255-3516. Res: (206) 596-8365. S: Ann. Dy. B Co, 1/145th. RW Qual. Time: 160 Hrs.

Richardson, Craig S., (CW2) (M89) (Rich) 718 N. Buckeye Avenue, Ablene, KS 67410-2202. Dy: (913) 239-2821. Res: (913) 263-0380. S: Donna. Dy: UH-60 Plot, El4-1 Avn. RW Qual. Time: 1,200 Hrs./Cbt 300 AM/2.

Richardson, Herman R., (MW4) (M89) 1920 Marsh Road, Wilmington, DE 19810. Dy; (215) 591-7258. S. Parmela. Dy; DPRO Boeing Helcopters, Philadelphia, PA, Rig; MTP, RW Qual. Time: 4,000 Hrs./Cbt.1,000 AM/2. Life Member. Rinatidi, Guldo S., (CW2) (M89) 11400 White Bluff Road, Apt. 103, Savannah, GA 31419. Dy; (912) 352-5120. Res: (912) 925-6549. S: Jana Lyynn, Dy; CH-470 Pilot, B/2-159th Avn.

Ring, Anthony D., (WO1) (M84) (Tony) Village Station, P.O. Box 74, New York, NY 10014-0074, Dy. (212) 337-2181, Res: (914) 375-0844. Dy. Manpower Development Specialist, USDOL ETA, Rtg: AA, RW Qual. Time: 890 Hrs. Life Member.

RW Qual. Time: 950 Hrs.

Risher, Michael W., (W01) (M91) 25 Michael Street, Fort Rucker, AL 36362. Dy. (205) 255-4969. Dy. RA, D Co, 1-223rd Avn. RW Qual. Time: 670 Hrs.

Ritter, Ron. (CW3) (M92) HHT, 6th Sqdn, 6th Cavalry, CMR 416, Box 425, APO AE 09140. Dy: DSN 467-4940. Res: 09541-80135. S: Cherl. Dy: 6th Squadron, 6th Cavalry, lileshelim AAF, Germany, Rbg: SAA, RW Qual. Time:



Rivera, Ben L., (CW3) (M92) C Co., 4-229th AAHR, CMR 416, Box 916, APO AE 09140. Dy: 49-4674-617. Res: 49-09841-8419. S: Pamela. Dy: Co. Maint. Off., Illesheim, Germany. Rig: MTP, RW Qual. Time: 2,100 Hrs./Cbt 50 AW1. Rivers, Patrick L., (CW3) (M87) (Pat) 5607-1 Lockridge Loop, Fort Hood, TX 76544. Dy: (817) 287-8351. Res: (817) 539-1197. S: Mary. Dy: ATK Heptr Pitot/Squadron Safety Off. HST, 46-Cav, 6th Cav 8de (A/C). Rig: SAA. RW Qual. Time:

Roberts, Floyd W., (CW4) (M76) E Company, 502nd Avn Regt, PSC 54, Box 988, APO AE 06601. Dy: 632-7509. Res: 0039-434-46038. S. Irene. Dy: Maint TP. Rtg. MAA TP, RW Qual. FW Qual. Time: 5,400 Hrs./Cbt 950 AW18.

Rebichaux, John C., (CW4) (M71) 411 Ramona Drive, Lesville, LA 71445. Dy: (318) 531-4504. Res: (318) 537-3240. S: Sun. Dy: F Co. 502nd Avn. Regt. Fort Polk. Rtg: MAA IP TP MTP. RW Qual. Time: 4 200 Hrs.

Robinson, David A., (CW3) (M91) (Smokey) 183 Lakeview Drive, Daleville, Al. 36322, Dyr. (205) 255-2619, Res: (205) 598-2181, Dyr. B Co, 2229th Rylong Tigers, Rig: SAA, RW Qual, Time: 1,300 Hrs./Cbt 30 AW1.

Rodriguez, Jorge A., (CV/3/P) (M99) (George) 308 Surny Acres Dr., Ozark, AL 36360. Dy. (205) 255-6233. Res: (205) 774-1777. S. Nanoy. Dy. Helcopter PHE/ASO, A Co, HSB SOA, Fort Ruder, AL, Rtro. IP IFE. RW Qual. Time: 4,100 Hrs.

Rogers, James R., (CWZ) (M89) (Ron) 45th Mod. Co. (AA), CMR 454, Box 2885, APO AE 08250. Dy: 467-2983. Res: 098-72-1002. S: Suzanne. Dy: UH-60 Medevac Pilot, Katterbach, Germany. Rig: AA. RW Oxal. Time: 1,015 Hs./IDt 60 AW1.

Rogers, Wilbur W., (CW2) (M89) 1255-C Herian Road, Fort Shafter, Honolulu, H 96819, Dyr. (808) 658-556. Res: (808) 841-6921. St. Dawn. Dyr. A. Co, 4755 Avn Regt, Schofield Barracks. Rtg: AA. RW Qual. Time: 750 Hrs.

Rogle, Matthew K., (CW2) (M90) 11400 White Bluff Road, No. 112, Savannah, GA 31419, Dyr. (912) 352-5120. Res: (912) 920-3253. Dyr. B Co, 2-159th Avn. RW Qual. Time: 750 Hrs.

Romano, Richard A., (W01) (M32) (Rich) PSC 1, Box 2214, APO AA 34001. Dy: 011-507-84-3366. Res: 011-507-23-7290. Dy: UH-60 Pilot, A Co, 1/228th Avin, Panama. RW Qual. FW Qual. Time: 370 Hrs.

Rose, David J., (MW4) (M85) 3202 Kings Arms Court NE, Atlanta, GA 30345-2153. Res: (404) 934-9669. S: Freida. Dy: ASO, 17th Avn Bde, Yong Son, Korea. Rig: MAS. RiW Qual. PW Qual. Life Member. Past Chapter Officer.

Rouse, Ronald J., (W01) (M93) 100 Anthony Circle, Apartment 3, Enterprise, Al. 36330. Dyr. (205) 255-3516. Res: (205) 347-4864. S: Denise. Dyr. Pilot, B Co. 1/145th Avn. Regt..

Roy, Rodney K., (WO1) (M92) 35 Sheridan Street, Fort Hucker, AL, 38362-5000, Dy: (205) 255-4215. Res: (205) 598-0098, S: Brooke, RW Qual, Time: 298 Hrs./Cbt 60 AM/2,1V.

Rublanes, Gary, (WO1) (M92) 1810 Clarewood Drive, Killeen, TX 76542, St. Luz. Dy: 5/501st Avn Bn. RW Qual. Time: 220 Hrs.

Ruestow, Gregory P., (CW4) (M91) A Co., 5/159th Avn Regt, Unit 26444, APO AE 09182. Dy: 352-7472. Res: 0931-707003. S: Linda Assistant Operations Officer, Glebelstad Dy. Rasistant Operations Officer, Glebelstad AAF-Rig: AA. RW Qual. Time: 6,800 Hrs./Cbt 821. S

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Rutkowski, Stanley T., (CW2) (M92) (Ratt) 16 Waal Place, Fort Bragg, NC 28307, Dy; (919) 396-6255. S. Melissa, Dy; 417th Cw, 8 Troop, Rg; AA, RW Qual, FW Qual, Time: 733 Hrs. Rutledge, Kim D., (W01) (M91) (Rut-Row) 4311-7 Wofford Drive, Fort Riley, KS 66442, Dy; (913) 239-2800, Res; (913) 784-3327, S. Rense, Dy; D Troop, 1/4th Cav. RW Qual, Time: 365 Hrs.

Ryan, Arthony F., (CW2) (M86) (Tonan) 210 Sunset Ave., Nolanville, TX 76559. Dyr. (817) 258-3549. Res: (817) 688-0777. St. Denice. Dyr. I Co., 158th Avr., Ft. Hood. Rtg: MTP, RW Qual. Time: 1,000 Hrs.

Ryan, Daniel J., (W01) (M91) A Co. 5-158 Avn. Regt., Unit 432, Box 52, APO AE 09096, Dy. 0611-705-5106, Res: 0611-711-376, St Daniele, RW Qual, Time: 500 Hrs.

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Salgado, Inaldo, (WD1) (M93) (Nayo) CMR 2, Box 12394, Fort Rucker, AL 36362, Dyr. (205) 255-3516. Res: (205) 598-4522. S: Dolores. Dyr. IERW, Fort Rucker, Time: 15 Hrs.

Samuelson, Mark P., (CW4) (M84) 2418 Sandy Drive, Clarksville, TN 37043. S: Marsha. Dy: Battalion Maintenance Officer/ME, 7/101 Avn Regt. Rtjg: AA IP MTP IFE. RW Qual. Time: 4,100 Hrs./Cbt 800 AM/23.

Sanders, Douglas B., (CW2) (M92) (Doug) 103 Sugarmil Circle, Savannah, GA 31409. Dy: (912) 352-6646. S: Dawn. Dy: A Co, 3-24th Avn, HAAF, GA. RW Qual. Time: 850 Hrs./Cbt 250 AM/2.1V.

Sandner, Tom O., (CW3) (M93) F Troop, 5/17th Cavalry, Unit 15121, Box 82, APO AP 96224-0473, Dy; 0118-2351-869-4910, S; Susan, Dy; Prod. Conreol Ofter, AH-1, Rig; MTP, RW Qual, Time: 1,400 Hrs./Cbt 25 AM/1.

Sangsland, Rodney L., (CW3) (M89) (Sande) P.O. Box 458, Dalieville, Al. 36322-0458. Dy; (205) 255-2442. Res: (205) 996-1101. S. Diano Dy; UH-60 SP DES, Fort Rucker. Rtg: SIP. RW Qual. Time: 3,500 Hrs./Cbt 40 AM1,1V.

Sapp, Kent T., (CW2) (M89) (Sapper) PSC 01, APO AA 34001, S: Heidi. Dy: UH-60A Pilot, A Co, 1-228 Avn, Fort Kobbe, Panama, Rtg: AA, RW Qual. FW Qual. Time: 1,500 Hrs.

Saunders, William D., (MW4) (M85) (Bill) HHC 1st PERSCOM, OPMD, APO AE 09081. Dy: DSN 379-6550. 49-6221-769041. S: Marianne. Dy: Avn Assignment Officr. Rtg: MAA IP. RW Qual. Time: 6,500 Hrs./Cbt 1,049 DFC/1, AM/23.

Savage, Robert C., (W01) (M91) (Bob) 216 Sheridan Circle, Hopkinsville, KY 42240. Dy: (502) 798-4558. Res: (502) 886-0793. S: Carls, Dy: A/6-101st, Fort Campbell, KY. RW Qual. Time: 500 Hrs.

Schaefer, Thomas R., (CW3) (M76) (Tom) C Co. 4-229th AHR, CMR 416, Box 844, APO AE 09140. Dy: Illesheim Germany, Rtg: SAA SIP, RW Qual. Time: 2,800 Hrs./Cbt 100 AW1.

Scheller, Michael L., (CW2) (M91) (Mike) 2361 Juliette Low Drive, El Paso, TX 79936-0701, Dy. (915) 568-8853. Res: (915) 855-8515. S: Melissa. Dy: UH-60 Pilot, S Troop, 4/3 ACR. Rtg:

AA. RW Qual. Time: 1.500 Hrs.

Schloesser, Shawn P., (WO1) (M91) (Schlaus) P.O. Box 2364, Fort Campbell, KY 42223-2364. RW Qual. Time: 400 Hrs.

Schmidt, John B., (WO1) (M91) (Schmity) P.O. Box 44, Fort Drum, NY 13603-0044, Res: (717) 685-4015. Dy: A Co, 3/25th. Rtg: MTP. RW Qual. Time: 400 Hrs.

Schuetzler, James C., (CW2) (M88) (Schuetz) 2017 Starlight Drive, Killean, TX 76543-8960, S: Debble, Dy: 507th Med Co (AA), Fort Hood, TX, Rtg: IP, RW Qual, Time: 1,200 Hrs.

Schulto, Gregory T., (CW3) (M90) (Greg) 1002 Bradford Place, Joelton, TN 37080, Dy: (502) 738-2744. S: Arricca, Dy: A Co., 1st 101st Avn... RII; IFS EIP IP, RW Qual, Time: 2,300 Hrs./Cbt. 50 AM/4, 2V. Past Chapter Officer.

Schuster, Kirsten U., (W01) (M91) (Hanse) 109 Riverview Drive, Daleville, AL 36322. Dy. (205) 255-3502. Res: (205) 598-5404. S: Thomas. Dy. D Co, 1-223rd Avn. RW Qual. Time: 450 Hrs.

Scott, Lonnie B., (CW3) (M87) (Butch) 1936 Claymont Drive, Clarksville, TN 37040. Dy. (502) 798-2520. Res: (615) 648-9038. S: Heldi. Dy. Safety Officer, 5-101st. Avn. RW Qual. Time: 2,000 Hrs./Cbt 150 AM1.

Scott, Steven D., (CW2) (M91) Heather Acres, Apt. 5E, Waterlown, NY 13501. Dy: (315) 772-3347. Res: (315) 782-6182. Dy: Safety 0ffloer, Fort Drum, NY. RW, Qual. Time: 1,200 Hrs./Cbt 6 AM/1. Past Chapter Officer.

Sebern, Sean E., (W01) (M92) (Edge) 3165 Anabel Avenue, Evans Mills, NY 13637. Dy: (315) 772-3116. Res: (315) 629-4633. S: Brenda. Dy: C Troop, 3/17bf Cav, Aeroscout Pilot. RW Qual. FW Qual. Time: 475 Hrs.

Sheehan, J. Patrick, (CW4) (M89) (Pat) 302 Willow Daks Drive, Ozark, AL 5630-6206, DS: (205) 255-2427. Res: (205) 774-2586. S: Sharon. Dy: Standardization instructor Pilot, DES, Fort Rucker. Rtp: MAA SIP. RW Qual. Time: 4.800 Hrs./Cbt 600 AMX.

Shipley, Frederick M, (CW2) (M90) (Matt) 613 Missenburg Court, Fayetteville, NC 28314, Dy: (919) 396-8703. S: Sandra. Dy: EVAC Pilot, Assistant Ops Officer, 57th Med Co (AA), Fort Bragg, RW Qual. Time: 800 Hrs.

Shoemaker, John A., (CW4) (M83) (Tory) USAREUR Reg. VP WO Afrs., 207th Av,Unit 29231 bx125, APO AE 09102. S: Cheryl. Dy: C12 Pilot. Rig: MAA. RW Qual. FW Qual. Time: 9,500 Hrs./Cbt 1,000 DFC/5, AM/21.

Shumway, Mark E., (W01) (M92) P.O. Box 71724, Fort Bragg, NC 28307. Dy: (919) 396-4021. Res: (919) 487-9560. Dy: B Co, 1-159th Avn. RW Qual. Time: 175 Hrs.

Sidonio, John F., (CW4) (M92) (Sid) 211 Holman Bridge Road, Dalevillo, Al. 38322. Dy: (205) 255-2127. Dy: LH-1 SP/IE, A Co., 1-10th Avn, Fort Rucker, Al., Rft; SAA IFE SIP. Time: 5,150 Hrs./Cbt 140 AM/2.

Silverman, Matthew A., (WO1) (M92) (Fish) PSC 1, Box 242, APO AA 34001. Dy: Pilot, Fort Kobbe, Panama. RW Qual. Time: 200 Hrs.

Silvestre, Luís, (CW3) (M80) P.O. Box 4845, Carolina, PR 00984. Dy: (809) 722-3916. Res: (809) 726-4508. S: Irma. Dy: Standardization Instr Pilot, USA PRAPNIS. Rtg: AA SIP IP. RW Qual. PW Qual. Time: 18,000 Hrs.

Simko, Edward W., (CW4) (M83) (Ed) 2789 MacArthur Road, Box 1327, Fort Meade, MD 20755-9998. Dy: (301) 677-2236. S: Janis. Dy: Aviation Readiness Division. Rtg: MAA IFE SIP. RW Qual. Time: 5,950 Hrs./Cbt 341 DFC/1, AM/19.

Sivacek, Paul M., (W01) (M92) C Co, ½ Avn, Unit 15434, APO AP 96257-0480. S: Wendy. RW Qual. Time: 220 Hrs.

Sizemore, Randall D., (CW4) (M75) (Randy) 1415 Meadowlark Lane, Petaluma, CA 94864, Dy; (415) 561-4673, Res; (707) 769-9959. S: Karen Sue. Dy: Avn Olor, 6th Army Readiness Group, Hamilton AAF, Rtg; MAA SIP IFE, RW Qual, Time: 4,000 Hrs. Life Member.

Skaaden, Richard A., (CW4) (M67) (Dick) 2901 Willowbend Drive, Kilbern, TX 75543, Dy. (817) 288-1180, Res: (817) 525-5401. St Bettie. Dy. HHS Co., 15 MI BN (AE), Fort Hood. Rtg: MAA SIP MTP. RW Qual. RW Qual. Time: 7,050 Hrs /Cbt 1,854 DFC/2, AM/39.

Slaughter, Thomas E., (CW4) (M80) (Tom) 1212 Hampstead Avenue, Farthanks, AK 99701. Dy: (907) 353-7864, Res: (907) 458-0327. S: Toni. Dy: Aviation Safety Officer, H. Co., 123rd Avn. Regt. Rtg: MAA TP. RW Qual. Time: 4,000 Hrs./Dbt. 420 AW/8.

Smallwood, Gregory T., (CW3) (M94) (S-Wood) 3952 Peace Pipe Drive, Orlando, Fl. 32829. Dy: (407) 823-3540. Res: (407) 382-0674. S: Elaine. Dy: C Co, MI Bn, RiU 21H Pilot. Rtg: SAA IP. RW Qual. FW Qual. Tirme: 3,000 Hrs.

Smith, Gary S., (CW3) (M82) 229 Whippoorwill Lane E., Richmond Hil, GA 31324, Dy; (912) 352-5171. Res: (912) 755-5529. S: Viki. Dy; B Co, 224 Mi Bn (AE), C-12 Maint OfficoR, Hunter AAF, GA. Rtg: SAA IP. RtW Qual. FW Qual. Time: 2.400 Hrs.

Smith, Michael E., (CW2) (M89) (Mike) 906 Derbyshire Drive, Doffhan, AL 38303, Dy; (205) 255-6991, Res; (205) 793-0594, S: Cassandra. Dy: TAC Officer, B Co. 1-145th Avn Regt, Fort Rucker, AL. Rtg: AA. RW Qual. Time: 1,050 Hrs./Cbt 95 AM/1.

Smith, Mikel O., (CW4) (M88) (Smithy) 104 Waltham Circle, Newport News, VA 23602, Res: (804) 878-4224. S: Mary, Dy: Instructor, 1st S&F, Rtg: SIP, RW Qual.

Smith, Raul W., (CW4) (M66) (Pete) 11325 Gene Sarazen, El Paso, TX 79836, Dy. (915) 568-8158. Res: (915) 595-1151. S. Marilynn, Dy: T Trp, 4 Sqdn, 3d ACR, QC/ME, Fort Bilss. Rtg: MAA TP, RW Qual. Time: 5,800 Hrs./CM 1,700 AM57.

Smith, Richard L., (CW4) (M92) (Dick) 110 Larchwood Road, Grafton, VA 23992, Dy. (804) 878-1802, Res: (804) 698-3857. S: Ginger. Dy:Depty AAHD (Advance Attack Helicopter Division - Apache). Rtg: MAA IP. RW Qual. Time: 3,200 Hrs-/Cbt 450 DFC, AM/15.

Smith, Robert L., (CW4) (M77) (Bob, RL) 6th Aviation Det., CMR 427, Box 255, APO AS 06630 5000 Dy: 634-7807, Res: 39 444-566414. S: Colin, Dy: Fixed Wing Maint. Offer, Vicenza Italy, Rtp: MAA MTP, RW Qual, FW Qual, Time: 7,700 Hrs./CDt 555 AM19.

Smith, Steven R., (CW2) (M91) 3 Inje Place, Fort Bragg, NC 28307-3401. Dy: (919) 396-2740. Res: (919) 960-1122. S: Kristine. RW Qual, Time: 488 Hrs.

Soh, Princeton K, (W01) (M92) 104 Francis Street, New Llano, LA 71461-9706. Dy: (318) 531-2156. Res: (318) 238-9086. S: Nicole. Dy: C Co, 3/502ml Avn Regt, Fort Polk, LA. RW Qual. Time: 180 Hrs.

Sondag, John P., (CW3) (M89) (Jack) 710 N.

S

Aviation Warrant Officer Directory

Rivershire, Conroe, TX 77304. Dy: (409) 539-4311. Res: (409) 756-3524. S: Helen. Dy: Maint. Advisor, 7/6 Avn. Regt.. Rtg: MTP SAA. RW Qual. Time: 2,000 Hrs./Cbt 80 AM/2.V.

Soper, Guy A., (CW3) (M92) (Soap) 205 Leeds Gate Road, Savannah, GA 31406-4426. Dy. (912) 352-5438. Res. (912) 920-3936. S: Lee Arm. Dy. Avn. Safety Technician, B Co. 3/24th Avn. Regt., HAAF. Rtg: AA. RW Qual. Time: 1,900 Hrs.

Sorrell, Christopher, (W01) (M92) (Chris) P.O. Box 2938, CMR 427, APO AE 09630. Dy: 634-7667. S: Roberta. Dy: Avlator, 6th Avn Det, Vicenza, Italy. RW Qual. Time: 370 Hrs.

Sparks, Michael R., (CW4) (M82) (Chispas) Northern Lights Chp Sr VP, 1305 B. Bastogne Court, Fort Warwright, AK 99703. Dy; 9077 353-8402. Res: (907) 356-2430. S: Wendy. Dy; Airtield Operations Officer. Rig: MAA SIP MTP. RW Qual. Time: 5,000 Hrs. Senior Vice President, Northern Lights Chapter. Past Chapter Officer.

Speaner, David M., (CW2) (M92) (Spoondo) 115A Mallards Cove, Vass, NC 28394. Dyr. (919) 395-9060. Res: (919) 245-3054. Dyr. Avn. Safety Officer/OH-58D(I) Pilot, D Troop, 4/17 Cavalry. RW Qual. Time: 1.550 Hrs.

Stanislaw, Duane D., (CM2) (M93) A Co. 3-1 Airs., CMR 454, Box 3256, APO AE 09250, Dy. 011-49-9801-832-611. Res: 011-49-8901-1544. Dy. AH-64 Platoon Ldr. RW Qual. Time: 2,000/Cbt 60 AM/1.

Starks, Charles C., (CW4) (M92) (Chuck) 1023 Heath Circle, Cedar Hill, TX 75104, Dy. (817) 280-7823, Res. (214) 293-6207, S. Kimberly, Dy. A 0000 Hrs.

Starr, Brent R., (CW2) (M85) 412 Martin Road, Clarksville, TN 37042. Dy; (502) 798-6631. Res: (615) 645-5277. S: Anta. Dy; C Co, 1/160th SOAR (A), Fort Campbell, KY, Rig; SAA IP, RW Qual. FW Qual. Time: 2,300 Hrs.

Statham, Stacy, (CW3) (M86) 20 North Oak Drive, Richmond Hill, GA 31324, Dy. (912) 352-5171. Res: (912) 796-5966. S: Sibby. Dy. Safety Off, 224th Mi Bn, RC-12N Pilot, Hunter Army Affeld, GA, Rtg: SAA, RW Qual, PW Qual, Time: 2,366 Hrs.

Stegmeyer, Milchael W., (CW3) (M86) 1819 Sundown Street, Killeen, TX 76543-8962. Dy: (817) 288-1984. Res: (817) 699-7395. Dy: Test Pilot, UH-60, HHC, 1/22/th Avn Regt. Rtg: SAA MTP. RW Qual. Time: 2,000 Hrs. AM/2.

Stephens, Steve H., (CW3) (M89) (Mr Tact) 317-1 Pope Avenue, Fort Leavenworth, KS 60027-1384, Dy; (913) 684-4833. S. Renate, Dy; C-12 IP, Kansas OSA Flight Detachment, Rtg: SAA IP, RW Qual, PW Qual, Time: 3,200 Hrs./Cbt 135 AM71.

Stepp, William K., (CW4) (M88) (Keith) 2422 Thrasher Oak, San Antonio, TX 78232, Dy. (210) 221-2415. Res. (210) 545-1571. S. Melisa, Dy: Aircraft Maintenance Officer, Fort Sam Houston, TX. Rtig: MAA TP. RW Qual. Time: 3,600 Hrs.

Stevenson, Harry R., (CW4) (M86) (Dirty H) 7939 Gambric Court, Springfield, VA 22153. Dy. (301) 981-7885. Res: (703) 455-3144. Dy. USAPAT C20/C21, Andrews AFB. Rtt: MAA SIP IFE. RW Qual. FW Qual. Time: 13,500 Hrs./Cbt 1,600 DFC/2, AM/52.

Stewart, David N., (CW4) (M92) HHC, 70th Trans 8n (AVIM), Unit 29719, Box 314, APO AE 09028. Dy: DSN 382-5159-4343, S: Helke, RW Qual, FW Qual, Time: 3.500 Her.

Stoddard, Daniel W., (W01) (M93) 100 AM Windham Drive, Apt. 702, Daleville, Al. 36322. Dy; (205) 255-3787. Res: (205) 598-6076. Dy: Aviator, B Co, 1-145th Avn Regt. RW Qual. Time: 60 Hrs.

Stoll, Ora E., (CW3) (M93) (Bert) 2003 Bradbury Road, Adams, TN 37010. Dy: (502) 798-6013. Res: (615) 338-5914. S: Melanie. Dy: HHC, 4/101st Avn Regt, Fort Campbell, KY. Rtg: IFE SIP IP. RW Qual. Time: 4,000 Hrs.

Stone, James E., (CW4) (M89) (J.E.) 3473 Brookfield Drive, Clarksville, TN 37043, Dy. (502) 799-6115, Res: (615) 358-3994. S. Becky, Dy. Commander, Sabre Army Heliport, Fort Campbell, KY. Rig. IFE, RIW Qual. Time: 4,100 HS-J/Cbt 100 AM11- Past Chapter Officor.

Stone, Jeffrey C., (CWZ) (M84) (Jeff) 159th Medical Company(AA), CMR 467, Box 6852, APO AE 90996. S: Petra. Dy: MEDEVAC Pilot, Wesbaden Germany. Rtg: MTP. RW Qual. Time: 1,300 Hrs. AM/Z.

Story, Thomas A., (CWS) (M80) (Tom) 3201 Culbreth Court, Woodbridge, VA 22192, Dr. (703) 865-7078. Res: (703) 490-3553. S: Betby. Dy: Ch. Modifications Div, S-3, OSAC, Davison AAF, VA. Rtg. MAA IP. Time: 5,000 Hrs./Cbt 1,995 DFC/1, AM/78.

Story, Thomas W., (CW2) (M85) 540 Martin Road, Clarksville, TN 37042. Res: (615) 648-3678. S: Barbara. Dy: B Co, 2-101st Avn Regt, Fort Campbell, KY. Rtg: IP IFE. RW Qual. Time: 1,500 Hrs.

Strine, Jay D., (CW2) (M85) (Jaybo) 5858 F. Century Oaks Dr., Fayetteville, NC 28314. Dy. (919) 96-8282. Res: (919) 487-3934. Dy. ASO, HHC 3/229 Avn GP, Fort Bragg, NC. Rg; SAA. RW Qual. Time: 2,100 Hrs./Cbt 46 AM/1.

Stumph, David L., (CW2) (M91) (Frogman) 1967 Timberline Way, Clarksville, TN 37042-3425. Dy: (502) 798-2066. Res: (615) 551-3181. Dy: 8 Co; 9-101 Avn. RW Qual. Time: 600 Hrs.

Stutsman, Paul J., (CW2) (M92) 108 Ashley Court, Springlake, NC 28390. Dy: (919) 396-9060. S: Marilyn. Dy. D Co., 4/17th Cav, Fort Bragg, NC. RW Qual. Time: 1,450 Hrs./Cbt 50 AM/3.

Sullivan, John L., (CW4) (M91) HSC, 3-1 Avn Bn, CMR 454, Box 2208, APO AE 09250. S: Linda. Dy: Standardization Officer, Katterbach Army Airfield. Rtg: MAA IFE SIP. RW Qual. Time: 2,500 Hrs./Cbt 39 AM¹. Past Chapter Officer.

Sullivan, Kyle P., (CW3) (M85) 109 Caldwell Court, Daleville, Al. 36322. Dy. (205) 255-4962, Res. (205) 598-6238. St. Lynn, Dy. SIP, D Co., 1/14 Avin Regt. Rig: SAA SIP, RW Qual. Time: 3,000 Hrs.

Sumners, Jeffrey A., (CW2) (M92) (Sam) Avn Co., 1SBMFO, Unit 31530, APO AE 09833. Dy. 011-972-3-561-5773. Res: 011-792-3-561-5773. RW Qual. Time: 1,000 Hss/Cbt 42 AW2.

Sund, Steven T., (CW2) (M58) (Stove) C Co., 2-227th Aviation, Unit 20195, Box 1603, APO AE 09165, S: Mary, Dy; C Co, 2-227th Avn, Hanau, Germany, Rig; AA, RW Qual, FW Qual, Time: 615 Hrs./Cbt 41 AMV2.

Sutten, John W., (CW4) (M88) (Fog) 521 McAndrew Road, Wahiawa, HI 96786. Dy: (808) 438-1078. Res: (808) 624-2100. S: Pamela. Dy:

Avn Safety Off, U.S. Army Pacific Command. RW Qual, Time: 2,000 Hrs.

Swann, Tony L., (CW2) (M90) 6914 Brockwood Street, Favetteville, NC 28314-5303, Dv: (919) 396-8002. Res: (919) 487-2507. S: Cherl. Dy: Pilot, A Co, 2/159 Avn. RW Qual. Time: 530 Hrs. Sweeney, Carey M., (CW3) (M84) 202 Fern-way Drive, Enterprise, AL 36330. Dy. (205) 255-2405. S: Susan. Dy: E Troop, 2/229th, Fort

Rucker, AL. Rtg: MAA IP MTP. RW Qual. Time: 3 700 Hrs /Cbf 650 AW16 Sweet, Dennis R., (W01) (M91) 236th Med. Co., CMR 402, Box 1645, APO AE 09180. Dy. DSN 486-8134/8331. Res: (817) 237-6026. Dy.

MEDEVAC PlotMotor Officer, Landstuhl, Germany. Life Member.

Sylak, Jr., Richard J., (CW2) (M91) 979-13 Stewarts Creek Dr., Fayettiville, NC 28314. Dy: (919) 487-6487. Res: (919) 396-8583. Dy: A Co, 182nd Avn., Fort Bragg. RW Qual. FW Qual. Time: 800 Hrs.

TTTTTTTTT

Tardy, Shawn J., (CW2) (M86) (Shawn) 56th Avn., 70th Trans., Unit 29719, Box 99, APO AE 09028. S: Elia L.. Dy: OH-58 A/C, UH-1H Pilot. Rtg: AA. RW Qual. Time: 1,100 Hrs.

Taulbee, Robert A., (CW3) (M88) 95-361 Kuahelani Ave., Apt. B-4, Milleni, H 96789-1178. Dy: (808) 656-1348. Res: (808) 623-0225. S: Leanne. Dy: SP-Opns Off, E Co, 214 Avn Regt. Rtg: SAA SIP. RW Qual. Time: 3,500 Hrs.

Taylor, Edwin B., (CW5) (M92) (Ed) 1167-B Drennan Park, Fort Campbell, KY 42223. Dy: (502) 798-2029. Res: (615) 431-4901. S: Darlene, Dy: HHC Avn Bde, 101st Airborne Div (AASLT). Rtg: AA SIP. Time: 7,000 Hrs./Cbt 1.250 DFC/1 AM/25

Taylor, Richard V., (W01) (M91) 56 Aviation, 70 Trans., Unit 29719, Box 165, APO AE 09028-5000. Dy: 475-7147. S: Maureen. Dy: 7th ATC Pt Det. RW Qual. Time: 300 Hrs.

Templeton, Daniel E., (WO1) (M91) C Co., 2/1 Avn, CMR 454, Box 2043, APO AE 09250-5000. Dv: 011-49-09802-832-163. Res: 011-49-09872-2051. S: Lorraine. Dy: C Co, 2-1 Avn., Katterbach Germany, RW Qual, PW Qual, Time: 415 Hrs.

Temple, Kellth W., (WD1) (M91) 3523 Spring Garden Court, Hope Mils, NC 28348. Dyr. (919) 396-4122. Res: (919) 423-1134. S: Kandy. Dyr. Aviator, A Co, 1-159th Avn. RW Qual. Time: 450 Hrs.

Terry, Mark D., (CW4) (M85) (Doc) 2832 Forest Way, Marietta, GA 30065-1491. Dy: (404) 691-2500. S: Tara. Dy: C-12 Pilot, Atlanta, GA. Rtg: SAA IP. RW Qual. FW Qual. Time: 3,700 Hrs. AM/7. Past Chapter Officer.

Thetford, Richard R., (CW3) (M91) 130 East 54th Street, Savannah, GA 31405. Dy: (912) 354-6764. Res: (912) 232-4207. S: Betsy. Dy: A Co, 1-24th Avn Regt (Attack), Hunter AAF, GA. Rtg: SAA. RW Qual. Time: 1,800 Hrs./Cbt 40 AM/1.

Thompson, Christopher, (CW2) (M88) (Eddie) 8 Eibe Street, Fort Bragg, NC 28307-1830. Dy. (919) 396-8583. Res: (919) 436-8617. S. Patricia. Dy. AH-64 Plot, A Co., 1-82nd Avn Bde. Rto: AA. RW Qual. Time: 592 Hrs./Cbt 37 AW1. Thompson, Robert H., (CW4) (M85) (Not Bob) 27676 Crestview, Barstow, CA 92311. Dy. (619) 386-3285. Res. (619) 252-3944. S. Lesley. Dy.

UH-60 Instructor Pilot, 247th Med Det. (RA) Ft.

Aviation Warrant Officer Directory

Irwin, CA., Rtg: SAA SIP, RW Qual, Time: 3,200 Hrs.

Thompson, Thomas A., (WO1) (M91) (Torn) 104 Love Court, Clarksville, TN 37040-6564, Dy: (205) 798-7317. Res: (615) 647-7695. S: Sandra Kay. Dy: 9/101st, Fort Campbell, KY. RW Qual. Time: 350 Hrs.

Tiesi, David J., (WO1) (M84) 43430 Carol Ann Road, Box D-4, Newbury Springs, CA 92365. Dy: (619) 386-3085. Res: (619) 257-3088. S: Susan. Dy: UH-1 Pilot, C Co. 3-159 Avn Bn, Fort Irwin, CA. Time: 700 Hrs.

Timmons, Jr., Lowell K., (CW2) (M92) (Butch) 207th Avn Co, Unit 29231, Box 107, APO AE 09102. S: Teresa. Dy: Fixed Wing Pilot, Ger-many, RW Qual. PW Qual. Time: 2,865 Hrs.

Tompkins, William R., (CW3) (M85) (Thumper) 501 Wildwood Drive, Enterprise, AL 36330. Dy: (205) 255-3741. Res: (205) 393-0030. S: Donna. Dy: AH-64 SIP/IFE, 2-229th Avn. Rept., Rto: SAA IFE SIP, RW Qual, Time: 3,450 Hrs./Cbt 50 AM/2.

Tooms, Trent D.H., (WO1) (M91) 110 Lightfoot Drive, Enterprise, AL 36330.

Tronnes, Steven J., (CW3) (M82) 2015 Spruce Street, Fayetteville, NC 28303-4005. Dy: (919) 396-3788. Res: (919) 867-7691. S: Teresa. Dy: D/1-179h Cav, Fort Bragg, NC. Rtg: SAA SIP. RW Qual. Time: 3,500 Hrs./Cbt 50 AM/1. Life Member.

Tschida, Kirk R., (WO1) (M91) 184 Sisler Street, Fort Brags, NC 28307, Dy. (919) 396-4021. Res: (919) 867-4932. S: Ingrid. Dy. Pilot, B/1-159th Avn Regt. RW Qual. Time: 480 Hrs.

Twombly, Thomas N., (CW3) (M82) (TNT) 768 Bataan Court, Ft. Wainwright, AK 99703. Res: (907) 356-1961. S: Alyson. Rtg: SAA. RW Qual. Time: 2,500 Hrs.

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Underhill, Ronald L., (CW3) (M82) (Ron) HHC, 7/1 Avn, CMR 454, Box 2517, APO AE 08250. S: Terry. Dy: Battalion Safety Officer. Rtg: SAA IP. RW Qual. Time: 3,000 Hrs.

Underwood, Russell A., (WO1) (M92) (Woody) A Co, 7/227th Avn Bn, Unit 20197, Box 78, APO AE 09165-5000. Dy. DSN 322-7985/7794. Riss 000514217 (Germany). S. Michelle, Dy. Taotical Savage and UH60 Plot, Hanau Germany. Rtg: AA. RW Qual. Time: 398 Hrs./Cbt 84

Vaclavik, Michael E., (CW3) (M82) (Groper) Route 1, Box 4328, Ozak, Al. 36360. Dy. (205) 255-4652. Res: (205) 774-7652. S: Bettina. Dy. IP, DV1-14th Avn Regt, Rig: MTP IP. RW Qual. Time: 2,100 Hrs./Cht 84 AM/2

Vandevander, Scott L., (CW2) (M91) (Vandy) 210-G Hoather Hidge Dr., Fayetteville, NC 28311. Dy. (919) 396-9653. Res. (919) 630-3557. Dy. UH-60 Aviator, HHC 3/229th Avn. RW Qual. Time: 345 Hrs.

Van Ert, James W., (CW3) (M93) (Jumbo) 1481 A Werner Park, Fort Campbell, KY 42223-5000. Dy: (615) 431-3551. Res: (615) 431-3551. S: Judy Mae. Dy: Maint Tech, A Troop, 2/17th Cav. Rtp: AA TP. RW Qual. Time: 1,850 Hrs./Cbt 50 AM/1.

Van Keuren, Nathan B., (MW4) (M84) (Nate) Arizona Chap. VP Mil Afrs, 1363 West Esplanada, Mesa, AZ 85201. Dy: (602) Esplanada, Mesa, AZ 85201. Dy: (602) 891-3506. Res: (602) 833-3779. S: Karen. Dy: DPRO-MDHC, Chief of Fit Opns. Rtg: MAA MTP. RW Qual. Time: 3,500 Hrs./Cbt 700 DFC/1, AM/27. Vp, Military Affairs, Arizona Chapter.

Vines Jr., Dumas J., (CW3) (M85) (Jim) 3 Sum-merbrook Court, Columbus, GA 31909. Dy: (706) 545-2425. Res: (706) 568-0196. S: Deborah. Dy: Installation Avn Stly Ofcr, DOT Avn Div, Pt. Ben-ning. Rtg: SAA. RW Qual. Time: 3,200 Hrs. Life Member.

Vockroth, Graham B., (CW2) (M93) B Co. 2/2 Avn Rept, Unit 15429, APO AP 96257-0462, Dv: Army Aviator

Volgt, Richard L., (CW4) (M77) 94-217 Kumumao Place, Militari, Hi 95789, Res: (808) 625-0885, S: Renate, Dy: Safety Off, Rtg: MAA. RW Qual, Time: 7,400 Hrs./Cbt 1,200 AM/20.

Volsine, Joel J., (MW4) (M90) 7382 Jirl Woods Court, Springfield, VA 22153-2014. Dy: (703) 325-7836. Res: (703) 451-1359. S: Kim. Dy: Chief Leader, Development Branch, WO Division, Rtg: MAA IFE SIP, RW Qual, Time: 4,000 Hrs. Vreeman, Timethy J., (CW4) (M85) (Tim) 6620 79th Street W., Tacoma, WA 98467. Dy; (206) 967-4056. Res: (206) 581-1417. S: Carol. Dy: C Co, 214th Avn Regt, Fort Lewis, WA. Rt

MAA IP. RW Qual. Time: 7,000 Hrs./Cbt 1,070 wwwwwwww

AM/26. Life Member.

Wade, William H., (CW3) (M87) (Hal) 1977 Stepford Drive, Clarksville, TN 37043. Dy: (502) 796-5860. Res: (615) 551-3628. S: Lisa. Dy: B/1-160 SDAR (ABN), Pt. Campbell. Rtg: SAA IP. RW Qual. Time: 3,000 Hrs.

Wade, William D., (CW4) (M72) (Bill) Unit 31520, APO AE 09832, Dy; Avn Safety Officer, Sinal, Egypt. Rtg: MAA. RW Qual. Time: 4,300 Hrs. Past Chapter Officer.

Wagner, Randy D., (MW4) (M78) 5877 Trammell Rd., Morrow, GA 30260. Dy: DSN 327-7056. Res: (404) 996-6721. S: Sharon. Dy: J1 Avn. Safety Offloer, HQ, FORSCOM, Rtg: MAA. Time: 3,100 Hrs./Cbt 900 Past Chapter Officer.

Walker, Kent E., (CW2) (MS3) N Troop 4/11 ACR, Box 360, Unit 20604, APO AE 09145, Dy: 86524/32/3-524, Res: 011-49-661-79657, Dy: AH-64 Pliot, Fulda Germany, RW Qual, Time: 450 Hrs. Walker, Wayne K., (CW4) (M81) (W.T.F.) HHC 11th Avn Bde., CMR 416, Box 1103, APO AE 09140. Dy: DSN 4674-780, Res: 09841-7591, S: Melva. Rtg: SAA, RW Qual, Time: 5,850/Past Chap. Offcr. Wall, Thomas A., (CW2) (M90) (Tom) 22416 128th Dr. N.E., Arlington, WA 98223. Res: (206) 435-3353. S: Stacey. RW Qual. Time: 650 Hrs. Wallace, Travis W., (WO1) (M92) (Wally) 406 Iroquois Road, Enterprise, AL 36330-3665. Dy: (205) 255-2504. Res: (206) 347-6166. S. Dianne. Dy: 0H-58D Scout Pilot, E Troop, 2-229th, Fort Rucker, AL

Walsh, Joseph, (CW4) (M66) (Joe) HSC 751 M BN, Unit 15226, Box 332, APO AP 96271-0163. Dy: 753-6435, S: Marlynn, Dy: 751 MI Bn, Camp Humphreys, Korea, Rtg: MAA IFE SIP, RW Qual. Time: 5,100 Hrs./Cbt 80 AM/3.

Walsingham, Joseph R., (CW3) (M83) (Joe) 8272 Lewis Place, Orlando, Fl. 32827. Dy. (407) 623-3528. Res: (407) 858-9925. Sr. LaDonna C. Dy. RU-21 Guardral Pilot, C Co., MI Bn (LI)

Orlando, FL. Rtg: ŞAA IP. RW Qual. FW Qual. Time: 3,200 Hrs.

Waltz, Gregory A., (CWS) (M88) 1901 Sullivan Drive, Dothan, Al. 36303-2635, Dyr. (205) 255-5198, Resc. (205) 782-5134, S. Martha. Dyr. Chief, Systems Evaluation Div., USAATCA, Fort Rucker, Rig: MA. IFE SIP. RW Qual. FW Qual. Time: 11,000 A Hrs. Cbt. 2,300 AM/55.

Ward, Harry R., (MW4) (M69) (Buzz) 11125 Ayer Road, Colorado Springs, CO 80300, DC (719) 579-3650. Res: (719) 495-4862. S: Patricia. Dy: Brigade Standardization Officer Fort Carson, CO. Rig. MAA IFE SIP. RW Qual. Time: 6,000 Hss./Cbt 685 Past Chapter Officer.

Wargowsky, Robert L. (CW3) (M68) (Bcb) 100 Is Court, Clarksvile, TN 37042. S: Catherine. Dy. WH-63AL Pbt, D. Co. 1/1906 S0AR, Fort Cambell, KY. Rtg. SAA. RW Qual. Time: 3,000 Hrs. Watson, Jerry S., (CW3) (M90) P.O. Box 56829, North Pole, AK 99705. Dy. (907) 353-8270. Res: (913) 784-3795. S: Marie. Dy. Quick Fix Platoon SIP, Fort Walmwright, AK. Rtg. SIP, RW Qual. Time: 3,500 Hrs./Cbt 110 AM1.

Webb, William C., (CW3) (M86) (8lif) Route 2, 80x 57-5, Newton, AL 36352. Dy: (205) 255-6008. Res: (205) 692-3289. S. Judy. Dy: A Co, 1/14th ATB, Fort Rucker, AL. Rig: SAA IP IFE. RW Qual. Time: 2,700 Hrs.

Weeres, Thomas A., (CW2) (M93) (Gunny) 2011 B Wenner Park, Fort Campbell, KY 42223. Dy: (615) 798-2202.

Weglarz, Joseph, (CW4) (M67) (Joe) RR 1, Box 13A1, Castorland, NY 13620, Dy; (315) 772-6381. Res: (315) 376-3569. Dy: Sethty Officer. Rty: MAA. RW Oxad. Time: 4,200 Hrs./Cbt 719

Weinhold, Robert C., (CW2) (M91) PSC 1, Box 416, APO AA 34001. Res: 507/52-2695. S: Penny. Dy. B Co, 1/228th Avn Regt, Fort Kobbe, Panarma. Rtg: AA. RW Qual. Time: 1,400 Hrs./Cbt 60 AW1.

Weist, Michael E., (CW3) (M91) (Mike) Avn Readiness Grp Chicago, Fort Sheridan, IL 60088. Dy. (708) 926-4323. Res: (708) 785-9228. S: Kathryn. Dy: Readiness Group Sheridan. Rig: MTP. RW Qual. Time: 1.962 Hrs.

Welda, Jon L., (CW4) (M81) 4257 Barrett Drive, New Windsor, NY 12553. Dy; (914) 553-3500. Res: (914) 567-9463. S: Jolynn. Dy; Standardization Off. USMA 2nd Avn. Det.. Rig: MAA SIP IFE. RW Qual. FW Qual. Time: 6,700 Hrs. Wellington, John D., (W01) (M93) (Beef) 714. Wellington, John D., (W01) (M93) (Beef) 714. Kearny Avenue, Fayetteville, NC 28314. Dy; (919) 396-4122. Res: (919) 487-4592. S: Tracy. Dy; UH-1H Pilot, A Co. 1/159th 18 Abn Corps., RW Qual. Time: 200 Hrs.

Wells, Reuben, (CW3) (M91) 122 N. Harris, Fort Rucker, AL 36362. Dy: (205) 255-2624. Res: (205) 598-9162. Dy: 152FC Apache Instructor Pilot. Rtq: SAA.

Wernii, Paul W., (CWS) (M67) HHD 7-159 Avn. Regt. CMR 418, APO AE 09140. Dy: 49-9841-75570. Res: (617) 42-1273. Dy: Avn Mairt Tech, liesheim Germany, Rg: MAA SP MTP. RW Qual. PW Qual. Time: 5,800°Cbt 1,400 AW40.

Whetstone, Beom, (M01) (M33) PSC #1, Box 1074, APO AA 34001. Dy: 507-64-3144. Res: 507-60-7456. Dy: Army Aulator B Co. 1-228th Avn. Panama. Rtg: AA. RW Qual. Time: 160 Hrs.

White, David L., (CW2) (M89) 6 Inje Place, Fort Bragg, NC 28307. Dy: (919) 396-9070. Res: (919) 497-7227. S: Dongsoon. Dy: UH-60 L Pliot, A Co. 2/82nd Awn Regt. Rtg: AA. RW Qual. Time: 800 Hrs.

W

Aviation Warrant Officer Directory

White, Dennis E., (CW4) (M74) LSE Autotion, PSC 88, Box 3115, APO AE (0821. Dp; AV 675-1110 bct. 2070. Res: (618) 667-3930. St Sandra. Dp; Headquarters, Land Southeast Avn Br; Izmir, Turkey. Rig. MAA. RN Qual. RW Qual. Time: 6,400 His./Cbt 735 DFC/2. AM/51.

White, Frank E., (CW4) (M81) 4413 Dolphin Lane, Alexandria, VA 22309, Dyr. (301) 981-5040, Resr. (703) 799-9552. St. Karen. Dyr. C-20/C-21A IP, USAPAT C-20 Det, Andrews AFB, MD. Rig: MAA IP., RW Qual. Time: 7,000 Hrs./Dcx 350 AM10.

White, Raymond A., (CW2) (M89) (Ray) B Company, 1-2 Avr. Regt, Unit 15433, APO AP 96257-0479. Res: (402) 723-4878. St. Marilyn. Dy: Camp Laguardia, Korea. Rtg: AA. RW Qual. Time: 250 Hrs./Cbt 50 AM/2, 1V.

White, Rushton D., (CW3) (M/S) (Russ) OMC/AV Unit 64901,8cx 29, APO AE 09639-4901, Dy: 011-202-245-0030, Res: (804) 887-0628, S: Chong. Dy: Egypt, Rig: AA.

Wicks, Dale L., (CW3) (M85) 351A Fort McAllister Road, Richmond Hill, GA 31324. Res: (912) 727-3633. Dy: AH-64 Pilot, C Co, 1/24th Avr. Rtg: SAA MTP. RW Qual. Time: 2,000 Hrs.

Wiggin, Ronald T., (CW4) (M91) (Ron) 1102 Patrick Lane, Newport News, VA 23602. Dy: (804) 878-3266. Res: (804) 988-1520. S: Debbi. Dy. Silp, D.O.E.S., Fort Eustis, VA. Rtg: SAA SIP MTP. RW Qual. Time: 2,900 Hrs.

Wilcher, Dale R., Sr, (CW3) (M70) 1310 Werner Park, Apt. A, Fort Campbell, KY 42223-1120. S: Ruth. Dy: HSC 751 MI Bn, Box 231, Unit 15226, APO AP 96271-0163, Rtg: AA SIP IP. RW Qual. Time: 3,000 Hrs./Cbf 300 DFC/1, AM/10.

Wilkinson, Byron M., (MW4) (M84) (Wilk) HSC 3rd MI Aerial Expl Bn, APO AP 96271. Dy. 753-6237. Res. 753-8794. Dy. Bn ASO. Rig: MAA SIP. RW Ousl. FW Qual. Time: 7,585 Hrs./Dt. 1,020 DFC/4.AM,/V3.

Willet, Frank N., (CW3) (M90) (Frank) 3627-B Porter Loop, Wahiawa, HI 96786, Dy. (808) 656-2794. Res: (808) 624-2384. S: Deldre, Dy: Maint. Test Pilot. RW Qual. Time: 3,090 Hrs.

Willett, Larry D., (CW4) (M85) 267 Lou Mac Court. Newport News, VA 23602. Dy. (804) 878-4224. Res. (804) 986-5611. S. Nancy. Dy: Instructor Maintenance Test Pilot Course-Uri60, Fort Eustis, VA. Rtg: MAA SIP MTP. RW Qual. Time: 6,520 Hrs./Cbt 650 DFC/1, AM/14.

Williamee, Mary E., (CW3) (M81) Box 304, Lakeville, NY 14480. Dy: (716) 220-3713. Res: (716) 346-5039. Dy: Safety Officer/PW Pilot, West Point, NY. Rtg: SAA SIP. RW Qual. PW Qual. Time: 4,000 Hrs. Life Member. Past Chapter Officer.

Williams, Richard L., (MW4) (M77) (Dix) 906 Mill Court, Savannah, GA 31419, Dyr. (912) 352-5940, Res: (912) 925-8497, S. Lainee, Dyr. ASO, HHC, Ann Bde, 24th Inf. Dix. (Mech), Hunter AAF, GA, Rtg. SIP. RIW Qual. Time: 5,000 Hrs./Cbt. 400 AM7, TV. Past Chap. Officr. 83 McCellan Award.

Williams, Robert L., (CW5) (M85) (Bob) 306 Arrow Head Drive, Enterprise, AL 36330. Dy: (205) 255-3000. Res: (205) 393-5137. S: Joan. Dy: Avn Branch Safety Officer. Rtg: MAA IFE SIP. RW Qual. FW Qual. Time: 6,100 Hrs./Cbt 1,900 AM/30. Life Member. Vp, Wo Affairs, Aviation Center Chapter.

Williams, Steven D., (CW2) (M92) 4312 Lake Road, Woodlawn, TN 37191. Dy. (502) 798-9351, Res: (615) 551-9151. S: Karen. Dy. Avn Safety Officer, Quality Control OIC. Time: 1.100 Hrs.

Wilson, Alan W., (CW4) (M91) (Al) 6810 Chamberlin Ave., Edwards AFB, CA 93523-5000. Dy: (805) 277-4784. Res: (805) 288-1937. S: Sabina. Dy: Experimental Test Plot, ATTC. Rtg: SIP. RW Qual. PW Qual. Time: 3,500 Hrs.

Wilson, Clarence L., (CW2) (M93) (Lee) 45th Med. Co. (AA), CMR 454, Box 1999, APO AE 09250. Dy. 4672-867, Res. 09802-7762. S: Lainie. Dy: UH-80 Instructor Pilot, Katterbach Germany. Rtp: IP. RW Qual. Time: 1,700 Hs. (Db. 140 AM/2.

Wilson, John H., (CW4) (M77) (Jack) 2402 Noble Oaks Drive, Savannah, GA 31406, Dyr. (912) 352-5171. Res: (912) 356-937. S. Sun Hul. Dyr. C-12 Plot, B Co., 224th Mi Bn, HAAF, Rig: MAA. RW Qual. PW Qual. Time: 7,000 Hrs.

Wilson, Paul R., (CW5) (M74) (Paul) HHT, 6th Cav Bde, Fort Hood, TX 76544-5068. Dyr. (817) 287-6219. S: Georgette. Rtg: MAa IFE SIP. Rtv Qual, FW Qual. Time: 5,500 Hrs./Cbt 1,300 AM/25. Past Chapter Officer. St Michael Award.

Wineland, Jeffrey A., (CW3) (M87) 1904 Claymont Drive, Clarksville, TN 37040, Dy; (615) 798-5200. Res; (615) 551-3213. S: Cnrls. CY101st, Fort Campbell, KY, Rtg: AA IFE SIP. RW Qual. Time: 2,500 Hrs./Cbt 20 AM/2.

Wise, James F., (CW5) (M74) (Jim) 4508 Park Ten Court, Leavenworth, KS 66048. Dy; (316) 684-4898. S. Julia. Dy; Standardization (616) KS OSA Fit Det. Rtg: MAA IFE SIP. RW Qual. FW Qual. Time: 5,200 Hrs./Cbt 365 AM/6. Past Chapter Officer.

Witt, Matthew A., (CW4) (M81) (Mat) 2229 Dockvale Drive, Fayetteville, NC 28304, Dy. (919) 396-3922, Res. (919) 424-1803, S. Barbara, Dy. UH-60 Instrument Flight Examiner, HHC 1/82nd Avn. Fort Bragg, Rtg: SAA IFE. RW Qual. Time: 3,100 Hrs.

Witter, Robert C., (CW3) (M93) (Bob) 160th SOAR (A), 1418-8 Wemer Park, Fort Campbell, KY 42223. Dy. (502) 798-4384. Dy. SOATC Recruiting, RIV Qual. Time: 2,300 Hrs./Cbt 300 DFC/1, AM/2.

Wojtala, Thomas J., (CW2) (M85) (Tom) 3427 Thompson Circle, No. A, Wahiawa, Hi 96786-4435. Dy. (808) 656-2625. Res. (808) 624-4061. S: Felicia. Dy. B Co, 1-28th Avn Regt, Wheeler AAF, HI. Rig. AA MTP. RW Qual. Time: 1,100 Hrs. Life Member.

Wejtowicz, Lynn J., (CW3) (M91) (Wojo) 5595 bel Paz Dr., Colorado Springs, CO 80918. Res: (719) 535-2883. S. Alicia. Dr. Aeroscout PIMTP, F. Co., 4th Avn Bde, Fort Carson, CO. Rig: AA SIP MTP. RW Qual. Time: 2,900/Cbt 21 AM/3. Wolcott, Cliffon P., (CW3) (M92) (Cliff) HO, 1/160th SOAR, 11325 Greenville Road, Hopkinsville, KY 42240. Dy; (502) 798-6533. S: Christine. Dy: HHC, 1/160th SOAR, Rtp: SAA SIP. RW Qual. Time: 3,000 Hrs./Cbt 150 AM/2.

Wood, Gregory A., (CW3) (M90) (Greg) 45 East Harris Dr., Fort Rucker, Al. 36362. Dy: (205) 255-4846. Res: (205) 598-1691. S: Deborah. Dy:





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B Co. 1-212th Avn., Rtg: SAA IP, RW Qual. Time: 2 540 Hrs

Woodard, Glen R., (CW2) (M90) (Woody) 6566 Honeysuckle Drive, Fayetteville, NC 28304. Dy: (919) 395-5040. Res: (914) 424-8587. S: Sandra. Dy: Pilot, C Co., 3-229th AHB. RW Qual. Time: 250 Hrs.

Woodbury, Alden D., (CW3) (M82) (Woody) 7642 Spurge Drive, Fayetteville, NC 28311. Dy; (919) 396-3303. Res: (919) 488-8140. S: Barbara. Dy; NCDSA Fit Det, Fort Bragg, NC. Rtg; SAA. RW Qual. FW Qual. Time: 4,500. Life Memb.

Woods, Stephen L., (CW3) (M87) (Steve) 16 Johnson Street, Fort Rucker, Al. 36382 2222 Dy. (205) 255-4110. Res: (205) 598-0054. St. Jenean. Dy; B Co, 1-10 Jun. Rtg. IP, RW Qual. Time: 2,000 Hrs./Cbt 50 AM2, IV. Past Chapter Officer. 1990 ASE Award.

Wootley, Charles K., (CW2) (M91) 207 Wealtha Avenue. Apt. 656B, Watertown, NY 13601. Dy: (315) 772-646B. Res: (315) 785-9671. S: Denise. Dy: Avlator, B Co, 3-25th AHB, Fort Drum, NY. Rtg: AA. RW Qual. Time: 700 Hrs., AM/1.

Wright, John David, (CW4) (M79) (J.W.) 551A Dickman Drive, Fort Bilss, TX 79906-3823. Dy: (915) 568-8293. Res: (915) 565-4131. S: Connie. Dy: SP/IE, P Trp, 4/3 ACR. Rtg: AA SIP IFE. | RW Qual. Time: 4,000 Hrs.

Wright, Mark A., (CW3) (M88) PSC 02, Box 3146, APO AA 34002. Dy: 288-4462. Res: 507-60-6058. S. Cristina. Dy: 214h Med Detachment, MEDEVAC Pilot, Abrook AFS, Panama. Rtg: SAA IFE. RW Qual. Time: 3,500.

Wrinkle, Robert S., (CWZ) (M90) (Robby) 608 Morgan Lane, Enterprise, AL 36330. Dyr. (808) 656-2558. S. Merrie. Dyr. A Co, 4th Bn, 25th Avn Regt, 25th Inf Div, Wheeler AAF, Hawai. RW Qual. Time: 525 Hrs.

Wyatt II, David W.R., (W01) (M92) 52355-2 Huron Court, Fort Hood, TX 76544, Dy. (817) 288-1013, Res: (817) 539-5730, S. Marcia, Dy. 8 Co, 4227th Avn, General Support Pilot, Rig. AA. RW Qual, Time: 285 Hrs.

YYYYY-ZZZZZ

Yates, Robert E., (CW4) (M82) (ROWDY) C Co. 7-1 Awn Regt, CMR 454, Box 1823, APO AE 09250, Dy. 4672763. Res: 08672-2647. Dy: UH-60 Test Plot, Qual. Chts., Katterbach, Germany, Rig: MTP, RW Qual. RV Qual. Time: 9,005 Hrs./Cbt 800 AM/10. Life Member.

Yoakum, Keith, (W01) (M91) 224 South Intel Street, Hernet, CA 92543-4138. Res: (714) 652-4426. S: Kelly. Dy: (152FO) AH-64 Pliot, C Co. 1/13th Avn. Regt. Fort Rucker. RW Qual. Time: 400 Hrs. York, Mark D., (WOT) (MS2) 3/37/th Medical Co (AA), Unit 15517. APO AP 96218 6983. Dy: 764-5038. Res: 472-7777. S: Laura. Dy: Aeromedical Evacuation Pilot. Taggy, South Korea. Rtg. AA, RW Qual. Time: 350 Hrs.

Young, Randolph G., (MW4) (M87) (Randy) 12207 Captains Court, Woodbridge, VA 22192. Dy, (703) 805-7603. Rss. (703) 484-3027. S. Sue. Dy, RW PAT, OSAC, Fort Belvoir. Rtp. MAX siP. RW Qual. Time: 5,730 Hrs./Cbt 481 AM.

Zarnowski, Timothy, (CW3) (M55) (Zeke) 6945 Wind Run Way, Stone Mountain, GA 30067. Dy: (404) 362-7875. Res: (404) 413-0654. S: Kim. Reg: SAA P. RW Qual. Time: 1,850 Hrs./Cbt 46 DFC1,AM5,1V.

Zeigler, Corey M., (WO1) (M92) (Ziggy) Road 5, Box 159A, Pearl Street Road, Watertown, NY 13601, Dy. (315) 772-3720. Ros: (315) 785-8455. Rtg: AA, RW Qual, Time: 320 Hrs.

Zimmerman, John M., (CW3) (N86) (Zimmo) 58 Sandra Dr., Newport News, VA 23602. Dy. (804) 878-3266. Res. (804) 877-9704. S. Joyco, Dy. COSS Eval, Pt. Eusts, Rig. SAA P. SIP MTP, RW Qual. Time: 2,300/Cbt 30 AM/2.

Zirpolo, Gale E., (CMS) (M87) (Butch) 213 Carswell, Fort Ord, CA 93941. Dy. (408) 242-7902. Res. (408) 384-0588. S: Sissy. Dy. E Co., 123rd Avn Rept, Fort Ord, CA. Rtg: MTP. RW Qual. Time: 2,050 Hrs.

ARAT (continued from page 44)

The new program is sent to the Army Component Commander. The Army Component Commander has decision authority for when and how the new program will be installed in the Army Aircraft. The reprogramming structure, on-going in other services since Vietnam, is becoming formalized in the Army. In consonance with the reprogramming policy, the ARAT Mission states that "the ARAT, in support of Warfighters and Combat/Materiel Developers, identifies and reports changes in world wide signature information that may require the rapid reprogramming of Army Target Sensing Systems."

The thrust of this article was directed at the Aviation Electronic Combat Systems. Be aware, however, that there are a significant number of ground based weapons systems and sensors that require ARAT threat analysis and Impact Assessment services for basically the same reasons as the Aviation Systems.

Air Defense Systems, Smart/Brilliant Weapons, and Intelligence Collection Systems are being designed in accordance with the Army Reprogramming policy. Lessons learned from threat analysis in support of these systems are being applied, in a form of cross fertilization, to Aviation Electronic Combat Systems, and vice versa.

Overall, the Rapid Reprogramming process is making a significant contribution to increasing the survivability, combat effectiveness and mission accomplishment of the Soldier Aviator in the field.

**

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MAJ Svarrer is the Deputy Team Chief, USA ARAT, SRI International, FL.

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Brown, Robert 5. Wings of Warnors VP Memb O Troop, 5-17 Cavalry APO AP 96224

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APO AE 09182

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Curtie, Joseph S. C Troop, 2-8 Cavary CMR 4M, Box 108 APO AE 09140

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Shinn, James M. 1602 Sherry Lane Copperas Cove. TX 76522

2nd Lieutenants

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MW4s

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Peterson, Robert M. 84-1081 Anania Circle No. 11 Millarii: HI 96789

CW4s

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Houser, Robert E. 5400 Park Place Loop SE Lacey, WA 98503

Smith, Stave E. 411 Harper Road Clarkovin, TN 37043

CW3s

Keller, Ronald G. 101 W. Hillcrest Drive Springfield, TN 07170

Walker, Weyne K. Rt. 2, Box 29C Killeen, TX 76542

West, Dougles E. PO Box 2247 Richmond Hill. GA 31324

Woltowicz, Lyne J. 5585 Dei Paz Drive Colorado Springs. CO 80918-

CW2s

Demirjian, Michael E. A Company, 4l50tst Avn Unit 15009 APO AP 96206

Johnson, John F. D Co. 1-2 Avn Regt Unit 15436 Box 1059 APO AP 98257

Klupenger, Britt T. 1609 K Street Wate Wate, WA 99362

Perfetto, Nicholas J. A Go, 2-1 Avn CMR 454, Box 1717 APO AE 09250

Rudy, Mark L. 2610 Tucker Dr. Apr. 360 Kilsen, TX 76543

Wall, Thomas A. 22416 128th Or N.E. Arington, WA 98223

WO1s

Nelson, Steven C. C Co. 1-50tst Avn Unit 16508. Box 164 APO AP 95208

Schloesser, Shawn P. PO Box 2364 Fort Campbell, KY 42223

Is It Really Worth Spending Over A Billion Dollars On The Huey To Get Better Gas Mileage?

It's time we put this whole Huey upgrade program into perspective. It's time we stop talking about gas mileage and horsepower and which engine has what features.

And it's time we start looking at the big picture.

Replacing the T53 engine currently in the Huey will mean retro-fitting hundreds of helicopters. It will mean retraining thousands of mechanics, and building a new parts inventory. It's a process that will cost America over a billion dollars.

As for gas mileage? It will take a more fuel-efficient engine over thirty years of continuous flying to recoup this billion dollar investment. Thirty years, just to get us back to zero. Somehow it just doesn't add up.

Of course, there's more to the

Huey upgrade program than money. The T53

is the only engine that has a proven track record in a single engine environment. No matter how much you spend, you can't replace that.

All told, we think you'll agree: the argument for switching away from the T53 engine doesn't hold water. Or gas, for that matter.

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DIGITIZATION (continued from page 27)

UH-60C, will significantly improve command and control of maneuver forces while on the move. AACCS is the part of the Command and Control Vehicle (C²V) program.

The AACCS will have AMPS and will be able to receive digital transmissions and real/near real time target information from various sources (i.e. J-STARS, UAV, National Technical Means, M1A2). In turn, the same data may be sent via IDM to Army reconnaissance/attack aircraft. The data will be automatically stored in the aircraft data bank. The pilot will be able to display the target data on the aircraft multifunction display. The display will present the current enemy situation in graphic format to the crew. The AACCS is scheduled for fielding in 1998.

Digitization of the battlefield will

be tested at the National Training Center (NTC) in April 1994 during NTC Rotation 94-07 with the 24th Infantry Division. The aviation brigade and its battalion tactical operations centers, a command and control UH-60, an OH-58D, and three AH-64+s will be equipped with the technology to digitize the battlefield.

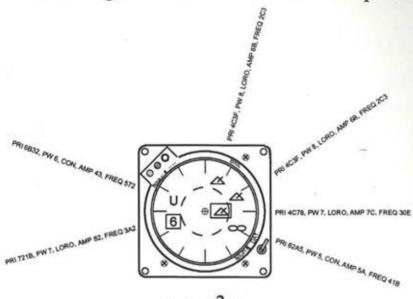
The goal of digitization of the battlefield is to give the commander timely, accurate tools to allow for real-time, "intuitive leadership" on our fluid and dynamic battlefield. Through digitization of the battlefield, our bold leaders will experience unprecedented situational awareness which will enable our Army to defeat any adversary, anywhere in the world, under any conditions.



MG Robinson is Chief, Aviation Branch and Commanding General, U.S. Army Aviation Center (USAA/NC) and Ft. Rucker, AL and Commandant, U.S. Army Aviation Logistics School.



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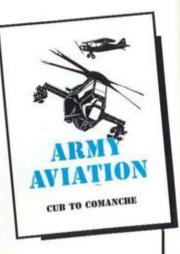
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CW3 Michael M. Bigay ILT L. Scott Brown CW2 Andrew R. Butte MAJ Rogelio L. Carrera CW4 John R. Clemens CW2 Steward B. Crooke CW2 Steven D. Dean CW2 Kevin W. Eaton CW3 Jones R. Edin CW4 Joseph M. Eliston CPT Edward C. Guilford Jr.

CW3 Ronald M. Haga CW2 Gary W. Hutchinson

CPT William J. Kall MAJ Arthur C. Lauer CW3 Thomas J. McDonald, III

GREATER ATLANTA CHAP. ATLANTA, GA

Mr. David K. Colona

GREATER CHICAGO AREA CHAP. CHICAGO, IL

SPC Brock N. Badgley A1C Ky D. Badgley CPT Schlom M. Charles SFC Howard M. Conforti Mr. Danny Filipovich CW3 Seth H. Verbel

HANAU CHAPTER HANAU, GERMANY

CPL Louis J. Gonzales

HIGH DESERT CHAPTER FORT IRWIN, CA

PFC Todd A. Pepple CW2 Gary L. Tomblin

INDIANTOWN GAP CHAPTER INDIANTOWN GAP, PA

SSG Jack A. Cipolla IRON MIKE CHAPTER

FORT BRAGG, NC

LTC Robert E. Seetin

LINDBERGH CHAPTER ST. LOUIS, MO

LTC Brian M. Cooker

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MID-AMERICA CHAPTER FORT RILEY, KS

CW2 Brian A. Beebe SSG Douglas L. Drake SPC Bethanise K. Eggleston CPT John J. Eslinger CPL Michael P. Gamin CW3 Dannis J Molnting MG Jotue Robles, Jr.

MIDNIGHT SUN FORT RICHARDSON, AK

CW4 David M. Benesch CW4 Roger B. Stickney

MONMOUTH CHAPTER FORT MONMOUTH, NJ

Ms. Arlene Albano Mr. M. John Berte Mr. Mario M. Casabona

MORNING CALM CHAPTER SEOUL, KOREA

MG John N. Abrams LTC Joseph Frankie III Mr. Ronald P. Hamilton CPT Angelia F. Hargrove

NORTH COUNTR CHAPTER FORT DRUM, NY

CW2 Jonathan L. Sturnick

NORTH TEXAS CHAPTER DALLAS/FORT WORTH

MAJ Larry F. Hall

NORTHERN LIGHTS CHAPTER FORT WAINWRIGHT/ EAIDBANKS AK

MAJ James A. Bell MAJ Jerry M. Darnell, Jr. CW2 David J. Potyok

PHANTOM CORPS CHAPTER FORT HOOD, TX

LTC E. J. Sinclair WO1 James M. Wicker

RAZORBACK CHAPTER NORTH LITTLE ROCK, AR

WCC Donlel I. Burkhead

SAVANNAH CHAPTER FT STEWART/HUNTER AAF, GA

WO1 George R. Kessler

WASHINGTON DC CHAPTER WASHINGTON, DC

PV2 David A. Diurio Mr. Winston Fowler LTC(P) William M. Smith Mr. Philip Weinberg

WINGS OF THE DEVIL CHAP. FORT POLK, LA

MAJ Jesse D. Kreinop CPT Michael J. Negard SFC Thomas B. Parton

WINGS OF THE WARRIORS CAMP STANLEY, KOREA

MAJ David A. Kickbusch 1LT Michael A. Pound CW3 Mark E. Shaughnessy

MEMBERS WITHOUT CHAPTER AFFILIATION

Mr. Rex Bunde Ms. Sandy Dawson Mr. Donald E. Derrick Mr. Anthony Dortch Mr. James W. Harrison

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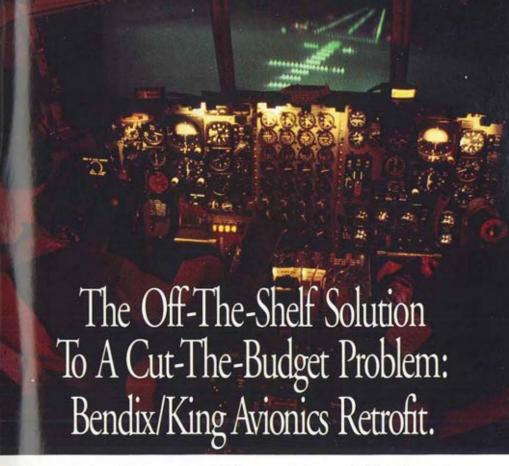
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Solicitation now underway for CY 93 AAAA National Awards:

NOMINATIONS DUE AT THE AAAA NATIONAL OFFICE ON OR BEFORE JAN. 15, 1994.

"Award Presentations"

Up to eight AAAA National Awards for accomplishments made during Calendar Year 1993 will be presented at the 1994 AAAA Annual Convention in St. Louis, MO. Senior members of the U.S. Army will be invited to present the AAAA's top awards to the 1993 winners.



"Outstanding Aviation Unit Award"

Sponsored by the McDonnell Douglas Helicopter Company, this award is presented annually by AAAA "to the Active Army aviation unit that has made an outstanding contribution to or innovation in the employment of Army Aviation over and above the normal mission assigned to the unit during the awards period encompassing the previous calendar year." Any Active Army Aviation unit that has met the foregoing criteria is eligible for consideration.

"ARNG Aviation Unit of the Year Award"

Sponsored by Textron Lycoming, this award is presented annually by the AAAA "to the Army National Guard aviation unit that has made an outstanding contribution to or innovation in the employment of Army Aviation over and above the normal mission assigned to the unit during the awards period encompassing the previous calendar year." Any Army National Guard aviation unit or organization that has met the foregoing criteria is eligible for consideration.

"USAR Aviation Unit of the Year Award"

Sponsored by Textron Lycoming, this award is presented annually by the AAAA "to the U.S. Army Reserve aviation unit that has made an outstanding contribution to or innovation in the employment of Army Aviation over and above the normal mission assigned to the unit during the awards period encompassing the previous calendar year." Any U.S. Army Reserve aviation unit or organization that has met the foregoing criteria is eligible for this award.

"The Robert M. Leich Award"

Sponsored by the Grumman Corporation, this award is named in memory of Brigadier General Robert M. Leich, USAR, the AAAA's first president (1957-1959) and its Awards Committee Chairman for 23 years. It is presented periodically to a unit for sustained contributions to Army Aviation, or to a unit or an individual for a unique, one-time outstanding performance.

"Army Aviator of the Year Award"

Sponsored by the Sikorsky Division of United Technologies Corporation, this award is presented annually through the AAAA "to the Army Aviator who has made an outstanding individual contribution to Army Aviation during the Awards period encompassing the previous calendar year." Membership in AAAA is not a requirement for consideration. A candidate for this award must be a rated Army Aviator in the Active U.S. Army or Reserve Components, and must have made an outstanding individual achievement.

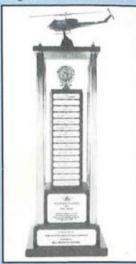
"Aviation Soldier of the Year Award"

Sponsored by Bell Helicopter Textron, this award is presented annually by AAAA "to the enlisted man serving in an Army Aviation assignment who has made an outstanding individual contribution to Army Aviation during the awards period encompassing the previous calendar year." Membership in AAAA is not a requirement. A candidate for this award must be serving in an Army Aviation assignment in the Active U.S. Army or the Reserve Components, and must have made an outstanding individual achievement.

"James H. McClellan Aviation Safety Award"

Sponsored by General Electric Aircraft Engines in memory of James H. McClellan, a former Army Aviator who was killed in a civil aviation accident in 1958, this award is presented annually to an individual who has

made an outstanding individual contribution to Army Aviation safety in the previous calendar year." The award is NOT intended to be given for the accumulation of operational hours without accidents by any aviation unit.



"Joseph P. Cribbins DAC of the Year Award"

Sponsored by Boeing Helicopters, this award is named for Mr. Joseph P. Cribbins, the award's first recipient in 1976. It is presented annually by AAAA "to the DAC who has made an outstanding individual contribution to Army Aviation in the awards period encompassing the previous CY." Membership in AAAA is not a requirement. A candidate for this award must be a current Department of the Army Civilian.

Administrative Details

ACCOMPANYING DATA FOR INDIVIDUAL AWARDS: A standardized "Nomination Form for Submission of All AAAA National Awards" is the sole form utilized by the Awards Committee in its selection of annual AAAA National Award Winners. Copies may be obtained from any Chapter Secretary or by writing to AAAA, 49 Richmondville Ave., Westport, CT 06880-2000.

The form should be accompanied by a recent photo and biographical sketch of the nominee. Photos of the commander and the senior NCO must accompany each unit nomination. The "Nomination Form for Submission of All AAAA National Awards" and the accompanying photo(s) must be received at the AAAA National Office on or before January 15. Please use stiffeners to protect the photo(s) being submitted. The receipt of each nomination and seconding nomination will be acknowledged by the AAAA. However, awards nominations materials - to include photographs - cannot be returned.



AAAA offers \$150,000 in 1994 Six scholarships now open to upperclassmen Three scholarships now open for graduate study Two scholarships now open for spouses of AAAA members Scholarships also open for AAAA Company Grade Officer, Warrant Officer, Enlisted and Civilian members

- BACKGROUND: The AAAA Scholarship Foundation, a separate non-profit, taxexempt corporation created to render financial assistance to members of the Army Aviation Association of America, Inc. (AAAA) and spouses, unmarried siblings, and unmarried children of current and deceased AAAA members, expects to make available \$150,000 in assistance funds for the 1994 college-entry year.
- ■SCHOLARSHIP GRANTS AND LOANS: A minimum of fifty scholarships will be presented to entering freshmen ranging from \$1,000 to \$12,000 grants given out as one, two or four year scholarships; seven interest-free loans of up to \$4,000 (\$1,000 a year); a \$10,000 scholarship to an applicant pursuing a four-year degree in engineering; a \$4,000 scholarship (\$1,000 a year) to an eligible applicant pursuing a four-year B.S. degree in an aeronautical-related science.

In addition, two \$1,000 scholarships will be "reserved" for spouses of AAAA members in pursuit of college studies at the undergraduate or graduate level; six scholarships will be "reserved" for undergraduate sophomores, juniors or seniors (\$1,000 a year) and three \$1,000 scholarships will be "reserved" for graduate study.

Also, two \$1,000 scholarships will be reserved for AAAA Company Grade Officer members; two \$1,000 scholarships will be reserved for AAAA Warrant Officer members; two \$1,000 scholarships will be reserved for AAAA Enlisted members; and two \$1,000 scholarships will be reserved for Civilian members for full-time or part-time study in pursuit of off-duty educational goals.

- ■ AWARD PHILOSOPHY: The AAAA National Scholarships are awarded on the basis of academic merit and personal achievement.
- ■ APPLICATION PROCEDURE: To apply, please request a Scholarship Grant/Loan Application and return it to the AAAA Scholarship Foundation, 49 Richmondville Avenue, Westport, CT 06880-2000 on or before May 1 (postmark will govern). On our receipt of the completed application, you will be mailed further instructions and assigned an AAAA interviewer. All forms, together with other supporting data, must be received by the Foundation on or before June 15 for consideration by the AAAA Awards Committee.
- ELIGIBILITY CRITERIA: The applicant must be attending an accredited college or university or selected for Fall entry as an undergraduate or graduate student. No recipient can hold concurrent AAAA Scholarships. Applicants who will attend a Service Academy or who receive a four year ROTC Scholarship are ineligible for a grant or loan. The AAAA member to which the applicant is related must have an effective date of membership on or before October 15 of the year preceding the year in which the applicant is seeking aid unless the member is deceased.
- SELECTION AND NOTIFICATION: Selection of winners will be made by the AAAA National Scholarship Selection Committee during mid-July with each applicant to receive a list of the winners not later than August 1.

Top Chapters

The 1 October 1993 Membership Enrollment Competition standings have the following chapters ahead with two months left in the CY93 contest ending 31 December. The rankings are based on CY93 net membership gain.

Master Chapters	Senior Chapters
(175 or more members)	(85-174 members)
2. Colonial Virginia20	1. Mid-America

AAAA Chapters (25.84 members)

	(MO.O.K WINCHESOCKE)	
1.	Old Bill	4
2.	Rochester	4
3.	Cedar Rapids	.9
4.	High Desert	.9
5.	Citadel	.8
0	Chaskpoint Chaplie	A

Top Guns as of 1 October 1993

The member who sponsors the greatest number of new members during the contest year ending 31 December 1993 wins an all expense-paid trip to the AAAA Annual Convention, as well as a \$300 cash award, and receives a plaque.

CW3 L.C. LeBlanc	60
Mr. John H. Bae	25
MAJ Mark A. Reisweber	24
18G Willie C. Lucas	23
Ms. Becky A. Snyder	16
LTC Vern Watts	12
MW4 Harry R. Ward	12
Mr. Frederick Khemchand	12
LTC James A. Herberg	11
Ms. Susan E. Barnes	11
CPT Robert S. Bailey	11
1LT D. Lee Winningham	10
CPT Brian C. Wilson	10
CW2 Robert D. Halloway, Jr	10
LTC Merle W. Converse	9
LTC James B. Blunk, Jr	9
CPT William K. Miller	8
CW4 John R. Kemp	8
Mr. Jesse W. Glance	8
SGM Gary L. Freeman	8
CW3 Anthony F. Castiglione	8

New AAAA Chapter Officers

Aloha:

CPT Michael D. Miller (Treasurer)

America's First Coast:

MAJ Robert P. McKeever. Jr. (Pres); CW3 Joseph M. Davis (Treas); SFC Bruce E. Ross (VP, Memb. Renew): LTC Robert E. Godwin (VP. Prog); COL Charles S. Wingate, Ret. (VP, Indus. Rel).

Aviation Center:

CW4 William E. Pfau (VP. Prog); COL Larry E. Turnage (VP, Ctr School); COL Edward H. Littlejohn III (VP. Aviation Training).

Colonial Virginia:

COL Thomas E. Johnson (President).

Flying Tigers:

MAJ Rogelio L. Carrera (SrVP); CW3 Thomas J. McDonald III (Secy); CW2 Jack T.F. Pike (Treas); 1LT Franklin J. Charles (VP. Memb); CW2 Andrew R. Butte (VP, Prog).

Hanau:

LTC Bruce K. Ladeira (Pres); MAJ Thomas R. Devine (Treas); CPT Jeryl C. Ludowese (VP, Prog); MAJ Timothy J. Cornett (VP. Corporate).

High Desert:

CPT Tony L. Moon (Pres); MAJ Joseph Stansfield (1st VP); CPT Reginald P. Mason (VP, Memb. Renew); CPT Alan J. Pirrone (Asst. VP Memb.); MAJ Barry S. Kapplan (Asst. VP Prog); CW4 Linda S. Schneider (VP. Pub): MSG Randy D. Porter (Asst. VP, Enlisted Affairs)

Iron Mike:

COL Henry C. Ruth, III (President).

Pikes Peak:

CPT Dan J. Davis (Secy).

Southern California:

Samuel D. Preston (Secy); LTC John E. Hendrickson (VP, Industry Affairs).

Talon:

CW2 Michael F. Monaghan (VP, Membership).

Thunderhorse:

1LT Kenneth M. Wilkinson (VP, Memb. Enrollment).

Washington D.C.:

CPT Thomas K. Gainey (Secy); CW2 Joseph P. Elliot (VP, Membership); COL Paul M. Severance (VP, Renew); CSM Raywood P. Dartez (VP, Enlist. Aff); COL Gerald E. Lethcoe, Jr., Ret. (VP, Ind).

Wings of the Warriors:

LTC Tony Lane (VP, Prog); MAJ James C. Workman (Fund Manager).

AAAA Life Members

Brian V. Barber
MAJ Timothy J. Brooks
William C. Buford
William E. Dereamer
GW4 Robert E. Yates

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Above: MG George W. Putnam, Ret. (left) and MG Gerald T. Sajer (center), Pennsylvania Adjutant General, present COL John J. Stanko, Ret. (right) with an Order of St. Michael Gold Award on 23 July during COL Stanko's retirement ceremony. A member of the Army National Guard since 1952, COL Stanko served as the Director, Army Aviation and Safety Directorate, National Guard Bureau, since its inception in 1976.

Below: MG John D. Robinson (left), Branch Chief and CG, USAAVNC and Ft. Rucker, presented a Bronze Order of St. Michael to MG Steven L. Arnold (center), Commanding General, 10th Mountain Division (Light Infantry), Ft. Drum, NY for his prominent role in supporting Army Aviation. Co-presenter COL Michael D. Dallas (right), Commander, 10th Aviation Bde, looks on during the November 1992 10th Aviation Brigade's formal.



Essay Contest Winners

The winners of the First Annual AAAA Essay Contest, sponsored by ARMY AVIATION Magazine have been announced. The essays of all the candidates in the Contest were reviewed by members of the AAAA Awards Committee appointed by the AAAA Awards Committee Chairman, LTG William H. Forster.

First Prize (\$500) was awarded to "Vietnam — The Seed" by CW4 Robert E. Howard, Ret., Deputy Director, Combat Developments, U.S. Army Aviation Logistics School, Ft.

Eustis, VA.

There was a tie for Second Prize, resulting in a split of the Second Prize award of \$300 and the Third Prize of \$200 between the two authors. Tied for second were: "Virtual Warfighting Simulation in Army Aviation" by CPT Rodie Chunn, Simulation Device Management Officer, Directorate of Simulation, U.S. Army Aviation Center, Ft. Rucker, AL, and "Army Aviation: A Political Agenda for the 1990s and Beyond" by CPT Willard (Bill) G. Fallon, Senior Legislative Aide, U.S. House of Representatives, Washington, D.C.

The winning essay appears on page 28 of this issue. The second place essays will appear in future issues.

AAAA CALENDAR

A list of upcoming AAAA Chapter and National dates.

December, 1993

Dec. 1. AAAA National Executive Board Meeting, Ft. Rucker, AL.

Pec. 2. AAAA Aviation Trainer of the Year Award Presentation, AAAA Air/Sea Rescue Award Presentation, & AAAA ROTC Award Presentation, Ft. Rucker, AL. ▶ Dec. 18. Morning Calm Chapter Christmas Ball, ROK.

January, 1994

Jan. 28. AAAA Scholarship Board of Governors Meeting, Arlington, VA.

Jan. 29. AAAA National Awards Committee Meeting to select CY93 National Award Winners.

February, 1994

Feb. 2-4. 20th Annual

Joseph P. Cribbins Product Support Symposium sponsored by the AAAA Lindbergh Chapter, Stouffer Concourse Hotel, St. Louis, MO.

▶ Feb. 3. AAAA Outstanding Aviation Logistics Support Unit of the Year Award Presentation & Industry Award Presentations, Stouffer Concourse Hotel, St. Louis, MO.

March, 1994

✓ Mar. 25-26. AAAA USAR-EUR Region Professional Sessions and USAREUR Region Ball.

April, 1994

∠ Apr. 20-24. 1994 AAAA Annual Convention. Cervantes Convention Center, St. Louis, MO.

AAAA Soldiers of the Month (cont.)

SSG Scott D. Reed America's First Coast June 1993

SFC Harvey C. Long America's First Coast July 1993

SSG William D. Hays America's First Coast August 1993

PV2 David A. Djuric Colonial Virginia June 1993

PVT Eric N. Vasquez Colonial Virginia July 1993

PVT Tina C. Bookout Colonial Virginia August 1993

AAAA Soldier of the Quarter

SPC Jerome D. Jordan Aviation Center 4th Quarter 1993

AAAA NCO of the Quarter

SSG Sonia R. Patton Aviation Center 4th Quarter 1993

Honorary Members

The following persons have been selected by their Chapters as Honorary Members. Each will receive a complimentary one year membership, citation in these pages, and a "Certificate of Honorary Membership."

MG David A. Whaley Colonial Viginia

MG John Nelson Abrams Wings of the Warriors

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