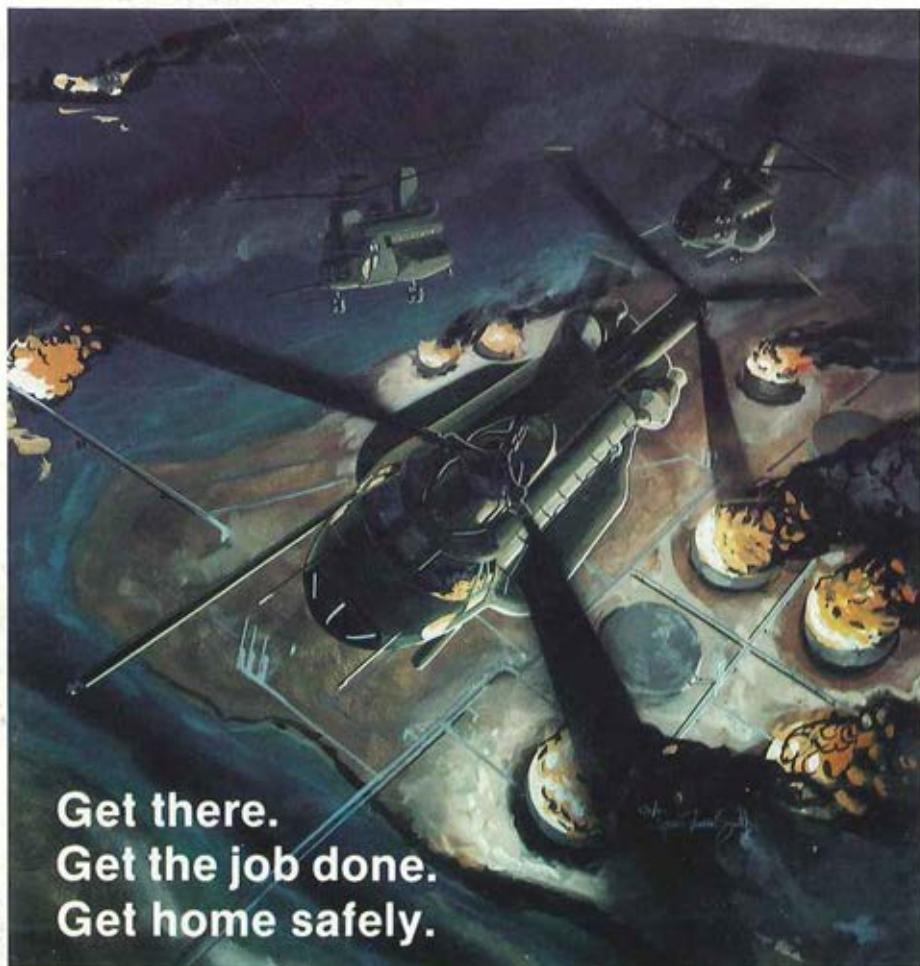


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Officer  
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**SPECIAL REPORT: SOA**  
**SPECIAL FOCUS: NIGHT VISION**

# ARMY AVIATION

ENDORSED PUBLICATION OF THE ARMY AVIATION ASSOCIATION OF AMERICA • JULY 31, 1989



**Get there.  
Get the job done.  
Get home safely.**



# Army Aviation and the Budget Crisis

by William L. Dickinson

(Excerpts of the Keynote Address given during the 1989 AAAA Annual Convention in Atlanta, GA)

Ladies and gentlemen, it is an honor for me to be the guest speaker before Quad-A's Annual Convention. For 30 years, the successful partnership and volunteer spirit of Quad-A have been invaluable for the success and growth of the Army Aviation industry.

Since its founding in 1957, the Army Aviation Association of America has bridged the gap between the Army and private industry. The feeling was and is today, that the Armed Forces and private industry should work together for the benefit of all our military personnel.

As we enter the 1990's, there are two important areas that I believe deserve special attention. These issues are certain to have a major impact on Army Aviation's future and should be carefully reviewed at all levels of command. As you may have guessed, my concerns deal with our defense needs versus the current mandated federal budget cutbacks.

## Modernization

First and foremost is the proposed Army Modernization Program. This plan is more than just another Pentagon piece of paper. It represents the commitment of the Army and the Department of Defense to deal with aviation in a comprehensive and farsighted manner, in contrast with the "hit or miss" and "short-term" thinking that previously characterized the approach to Army helicopter programs.

The aviation plan also documented the Army's change of heart in keeping the BLACK HAWK and APACHE programs alive until the LHX matures into a real, live production program. As many of you know, the Army had planned to make the LHX "a necessity rather than a lux-

ury" by cancelling ongoing production programs, leaving LHX as the only option. Congress, however, pointed out to the Army the short-sightedness of their plan and restored the APACHE and BLACK HAWK.

## LHX

The LHX is the cornerstone of the Aviation Master Plan and represents a tremendous advancement in technology, which will carry Army Aviation into the next century and into the air-to-air war. At the same time, the Congress cannot afford to write a blank check. The Army and industry must search for ways to reduce costs and risks at each turn. Development must be shared with other services where requirements are similar. I understand that there will be a Tri-Service Avionics Architecture compatible with ATA and ATF, and that is good. It is important to continue to look for other areas of commonality, such as composites and low observable technology.

Under the Aviation and Modernization Plan, the Army and DoD are committed to spending some \$3.5 billion per year on aviation programs, which is nearly double the amount that had been spent in some of the more austere earlier years. I still view this as sort of compact among all the parties — the Army, OSD, and the Congress. My hope is that support within the Administration will not waiver as we hit the crunch in producing a "Bush Budget Amendment". I feel that would be a very short-sighted approach.

I am unhappy to report that the defense budget crisis, which has been underway for some time, is not likely to be fixed in the near future. Most of you probably know that the "Reagan Defense Buildup" has been over for several years. In fact, for the past four years, the defense budget has suffered "negative real growth," that

U.S. Congressman Dickinson, R-Alabama, is Ranking Republican, House Armed Services Committee.

is, defense funding has not even kept pace with inflation for four consecutive years.

Although the Bush Summit Agreement last year provided for two percent real growth in defense for Fiscal Year 1990, President Bush has already reduced that growth to zero. I will be very surprised if Congress approves even this zero-growth budget. The Democrats on the Budget committees are now talking about budget numbers which essentially would freeze defense at last year's level — in other words, a three or four percent real decline in defense purchasing power.

Of course, we will fight that proposal, but with what degree of success, I don't know. One basic political problem is that the liberals in Congress hold defense spending hostage each year in an effort to get their way on increasing taxes and social spending.

### ICBM Dispute

This year, the defense budget faces a different and unique problem. Strange as it may sound, one of the greatest threats to the Army's portion of the defense budget is a dispute over Intercontinental Ballistic Missiles (ICBMs). Some of you have read in the papers about the arguments concerning the M-X missile (which has been favored by the Administration) and the Small ICBM, or Midgetman (favored by many of the liberals in Congress, among others).

It is possible, if not likely, that the political compromise solution to the argument on ICBMs may involve funding both these ICBM programs. If the liberals are successful in forcing the Midgetman into the defense budget at the same time they are reducing the overall level of defense spending, the inevitable result will be that conventional programs of all sorts will have to be cut (helicopters, tanks, fighters aircraft, etc.) to pay the bill for ICBMs.

I have proposed to Secretary Cheney and others that we not agree to a compromise solution on ICBMs that funds the Midgetman missile unless the liberals also provide the modest real growth in defense funding that President Bush has proposed for the five-year period beginning in 1990.

There has been a recent flurry of publicity generated by one of my colleagues, Rep. John Dingell, about APACHE reliability, based on reports from one of our field commanders, who has said that he would rather go to war with his older AH-1 COBRA gunships than with the APACHE. The Armed Services Committee is obviously interested

in these reports, and I have asked the Army leadership for a full accounting of the problems. I also believe that it shows something positive when commanders are encouraged to speak frankly about their new equipment to those responsible for buying and maintaining it.

I still believe the APACHE is the finest helicopter in the world, but like any new enormously complex item of equipment, there are now and will continue to be some growing pains. I firmly believe that both MG Stephenson at AVSCOM and Bill Brown at McDonnell Douglas are committed to systematically rooting out all the problems and finding solutions.

### Night Vision Goggles

Aviation safety has also recently been called into question in respect to the use of night vision goggles. I think much of the Congressional doubt while based upon honest concerns, has been fueled by an opportunistic press. In fact, we are in the midst of the safest year in Army Aviation history, and night-vision goggle accidents are not out of proportion to the amount of night-vision-goggle hours flown, given that nighttime "nap of the earth" is an inherently challenging mission. I am convinced that night-vision-goggles give us a substantial advantage over the Soviets, and we should not give up that capability. We should maintain currency in order to respond to contingencies worldwide, such as through the aircraft we recently sent to the Persian Gulf. However, we must train smartly and safely, and I would encourage all to be innovative and to come forth with good ideas for improving safety.

Recent reports indicate that the BLACK HAWK and APACHE are somewhat vulnerable to Electro Magnetic Interference. While I understand the Army is beginning to get a handle on it and formulate a plan of action, we all need to be looking for solutions. This is an area where industry/Army cooperation is vital.

It is my belief that the Army Aviation Plan provides a sound basis for the Army Aviation acquisition decisions in the near future. We need to make certain that near-term budget pressures do not force us to dismantle it. However, the deficit and spending priorities of a liberal Congress have created a budget crisis for defense. Even though most of the controversy on specific programs

(Budget — continued on page 60)

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# Night

# Day

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## Aviation Cross-FLOT Operations

by Major General Ellis D. Parker

**T**here has been much discussion in our professional publications concerning the efficacy of cross-FLOT operations. For us in Army Aviation, this discussion has centered around the feasibility of helicopters crossing the Forward Line of Own Troops (FLOT), accomplishing the mission and surviving. But the first issue concerning cross-FLOT operations is, why do we do them? Many would argue that it is because the threat, particularly in Western Europe, echelons his forces. This echeloned follow-on structure must be disrupted or destroyed to ensure battlefield success during close and rear operations. While this is certainly true, it is only true against Soviet-type conventional forces. There is a more pivotal reason for conducting cross-FLOT operations. Since we do not plan to start any wars, we will probably be on the defensive initially. We must transition from the defense to the offense quickly.

### Proactive Actions

It is implicit in Airland Battle that we must be proactive against our enemies across the full spectrum of conflict. Given the tempo, lethality and sophistication of all modern war, cross-FLOT operations become the embodiment of proactive actions that gain the offensive spirit. In this context, the question is not will we conduct such operations, but when and which systems are most capable to accomplish the mission with a high assurance of success and survivability. History is replete with examples of successful extended nonlinear or cross-FLOT attacks. Not only does this type of operation proactively accomplish the offensive objective, the audacity of such an operation disrupts the enemy's will to fight. It elevates the tempo of the fight and creates sig-

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

nificant windows of opportunity for exploitation by unhinging the enemy's decision cycle and presents him with more situations than he has the ability to react to.

### The Mission

The terms "cross-FLOT" and "deep" often cause some discussion. These events are different at the strategic, operational and tactical levels but at any level, United States Army Aviation is one ideal way to handle them because of our inherent speed, mobility and firepower. Deep/cross-FLOT operations are combined arms operations from planning to execution. Synchronization is the key. There is no specific distance or unit type implied in the title "cross-FLOT" or "deep". The terms are relative to the tactical situation and not doctrinal at this time. The cross-FLOT/deep operation is not a "business as usual" mission but is inherently high risk and must be precisely planned, coordinated and synchronized. These missions are advanced tactical or operational engagements. There is a risk/payoff equation that must be resolved by the division or corps commander in charge. The target must be of high value and consequently will often be an enemy center of gravity. Understanding the terms and being able to perform the mission, however, are not the same thing.

Aircraft survivability in a cross-FLOT operation is also an issue that has generated a great deal of discussion. Units are most definitely survivable given a certain set of circumstances. To understand this survivability equation, we must consider the six phases of cross-FLOT operations: the pre-stage/planning phase, penetration, movement to the objective, actions at the objective, return and restoration.

The prestage or planning phase is absolutely  
(Operations continued on page 66)



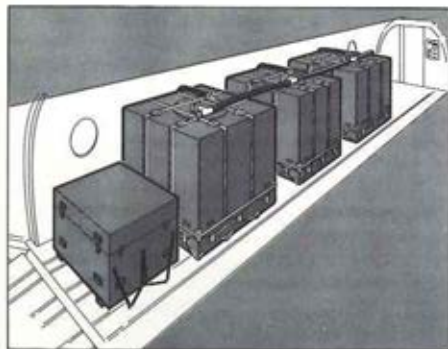
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# Night Vision Goggles

by Edwin Y. O'Donnell

For our aviators to be effective on the battlefield of tomorrow, it is essential for aircrews to train and operate at night, as well as day. The night vision goggles (NVGs), used by Army Aviators today, provide them that capability. The Army designed these devices to extend the capabilities of the aviators at night by increasing the sensitivity of the dominant sense of the body, vision.

## An Essential Tactic

The present day threat makes low level, nap of the earth (NOE) an essential tactic. The NVG provides the pilot the capability to employ NOE tactics under the cover of darkness. While the NVG does not turn night into day, it does provide the pilot the ability to identify targets, navigate, and view the terrain for surveillance. The NVG is one of the most significant advancements in technology that has enhanced our warfighting capability.

The U.S. military fielded the first night vision systems in the mid 1960's. The IR searchlight was one of the first night vision devices. Infrared filters were installed on the searchlights which blocked visible light and passed "near infrared" wavelengths

(700-1200 nanometers). The soldier used an image converter tube to view the illuminated scene. The enemy could easily detect the infrared energy emitted by the searchlight. The Army needed a passive system that was not easily detected. The light amplification device called the image intensifier developed in the late 1960's was the answer.

## First Generation & FLIR

The first generation image intensifier and the Forward Looking Infrared System (FLIR), fielded in the late 1960's, was completely passive and emitted no external radiation. The first generation image intensifier used in drivers' viewers and low light level television cameras were highly susceptible to blooming from bright lights that usually caused severe blurring or complete washout of the picture. Many of the problems of the first generation image intensifiers were corrected in the second generation intensifier. In fact, each generation of image intensifier represented a significant technological advancement over the previous generation. The second generation image intensifier was miniaturized enough to install two tubes in a holding frame for binocular viewing. The Army developed and type classi-

fied the device in the early 1970's and identified it as the AN/PVS-5 Night Vision Goggle (NVG).

## Significant Improvements

The AN/PVS-5 NVGs with the second generation image intensifier provided significant improvements. Aviators using the device in tactical missions experienced advantages of conducting tactical missions at night never before realized. The Modern Army Selected Systems Test Evaluation and Review (MASSTERS) activity at Ft. Hood, TX, conducted a user evaluation of the AN/PVS-5 NVG. The MASSTER Test #154 evaluated the AN/PVS-5 NVG for vehicle driving at night, night patrolling, weapons firing, static observation, close in tasks, and flying aircraft. The NVG's evaluators were successful in driving a M151 truck, M113A1 personnel carrier, and a M60A1 tank. The goggles were also successful for target acquisition, map reading, command and control, and performing maintenance tasks. The test concluded the NVG afforded the pilot a night vision performance capability that was far superior to the unaided eye. The report recommended adopting the AN/PVS-5 for both ground and airborne use and that it be issued expeditiously.

(NVG — cont. on p. 60)

Mr. O'Donnell is Night Vision Systems Project Officer, Directorate of Combat Developments, U.S. Army Aviation Center, Fort Rucker, AL.



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# NVG Compatible Cockpits

by Colonel Richard C. Hassinger

It has only been recently that a vast majority of the population has been made aware that flying and fighting at night has been rapidly becoming a way of life for all the services. In point of fact, we have been practicing and testing tactics for quite some time. It was only natural that we would seek some means to enhance our aircrew's ability/capability to see at night in order to gain the important tactical advantages of seeing and shooting first. We began the process of experimentation by using the type of original and modified goggles developed for use by ground units. Through the evolution of technology and a great deal of hard work by the military and industrial communities, we currently have the Aviator night vision imaging systems PVS-6 goggles being delivered to the field.

While the introduction and use of goggles is of course fundamental goodness, it has also presented us with some other serious challenges. The first challenge that emerged was the need for NVG blue green compatible aircraft cockpits including controls, displays, instrumentation, and all avionics/electronics control heads. To insure the requirements were met, the aircraft

project managers conducted studies and evaluations of various types of filters, electroluminescence lighting panels and flood lighting. The aircraft modification kits were developed, procured and fielded across the fleet.

## Specifications

With the introduction of the ANVIS-6 technology came the knowledge that the blue green lighting standards previously thought to be acceptable, in fact, needed to be refined. A DOD team effort resulted in the coordination and publication of the now accepted MIL-L-85762 blue green lighting specification which provides the parameters for optimum use with the PVS-6 goggles.

By the spring of 1988, this specification, coupled with the advent of industries blue green technology, allowed the services to begin investigating the possibilities of making some significant changes to previously installed blue green lights and filters in aircraft as well as modifications to avionics and electronics. It was also during this time frame, following some tragic accidents, that the Department of the Army (DA) directed AMC to begin an aggressive campaign to provide Army Aviation crew members auxiliary lighting, con-

tract for a MIL-L-85762 blue green lighting for avionics/electronics control heads, and also to begin preparations for re-evaluating, for safety and operational reasons, previously installed blue green aircraft cockpit filters and lighting.

## Coordinating Efforts

In July 88, the Aviation Electronics Management Office (AEMO), AVSCOM, was assigned the responsibility of coordinating the efforts of DA, AMC, and TRADOC team meetings with the express purpose of expediting the actions necessary within the various Commands and Activities that would result in an affordable near-term executable plan, program, and schedule leading to the above objective. Once the strategy was approved by DA, things began to happen rapidly.

The Project Manager for Clothing and Individual Equipment (PMCE) conducted a market survey and source selection for the Non Developmental Item, (NDI) purchase of blue green lights, finger lights, and flashlight filters for immediate fielding.

While the PMCE was going through procurement preparations and developing fielding plans, the Communications and Electronics Command (CECOM) (Cockpits — cont. on p. 64)

COL Hassinger is Chief, Aviation Electronics Management Office, AVSCOM, St. Louis, MO.

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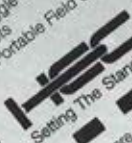
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# Night Operations Update

by Colonel David E. Sullivan

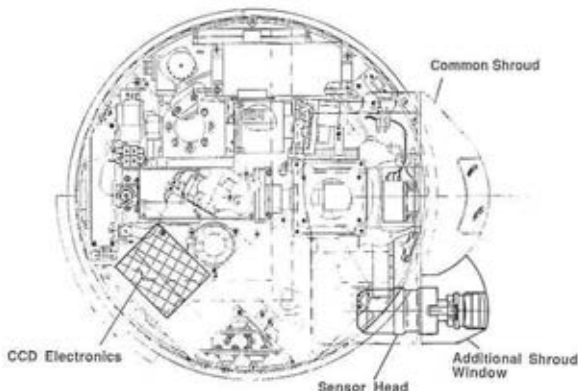
**A**PACHE has now been in the field three years and experience is continually impacting how the hardware is being utilized. Certain things were in mind when the Pilot Night Vision System (PNVS) was being designed. Forward Looking Infra-Red (FLIR) was new and many believed it would solve the night operations equation. Now three years later — what have we learned?

First there was the wire strike at Ft. Hood in July 1986. We determined that quite simply we were "over flying our headlights". A proposed solution then was to prepare charts that could give the operator an indication of predicted FLIR performance. That soon became unmanageable as the "Delta-T" prediction for any given geographical location is dependent upon too many variables. Our solution was training related as FLIR was not designed to, nor will it, detect wires in all conditions.

## "FROSTY APACHE"

In February 1987 the 1/6 CAV conducted exercise "FROSTY APACHE" at Ft. Lewis, WA to examine the effects of a cold and rain soaked environment and better prepare for REFORGER 87. The outcome was predictable

COL Sullivan is TADS/PNVS Project Manager, St. Louis, MO.



— FLIR does not do well in low "Delta-T" environment. The Aviator Night Vision Imaging System (ANVIS-6) performed well (not a surprise since the Night Vision Goggle/PNVS evaluation in 1981/82 at Fulda, Germany provided the same result). This exercise plus REFORGER validated the need to have both ANVIS and FLIR in APACHE.

Where does all of this leave us? Night Vision Goggles were not intended for APACHE when it was designed and PNVS was optimized for APACHE when it was designed and PNVS was optimized for NAP of the Earth (NOE) flight; however, Air Land Battle Doctrine has created the requirement to conduct deep operations thereby requiring higher

speeds at low levels. Our common module PNVS has shortcomings, many of which have fixes identified through technology enhancements, e.g., Digital Scan Converter (DSC). However, the fix often times is unaffordable given we are where we are.

## An Example

Example: PNVS cost today is approximately \$100,000. To go back and retrofit to a DSC, the cost including non-recurring could be at least another \$80,000 per copy. The preferred solution was to fix shortcomings within the design — if possible. An example is the "Horizon Blooming" problem — or more widely known as "DC Restoration". That fix for PNVS (Update — cont. on p. 64)

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# Special Operations Aircraft Acquisition Strategy

by Robert E. North

The Special Operations Aircraft (SOA) Program for the modification of UH-60A and CH-47D aircraft to the MH-60K and MH-47E configuration was initiated by Headquarters DA Message, DAMA-WSA, 301345Z April 1986. The SOA program requires the design, integration, modification and qualification of a Mission Equipment Package (MEP) to be integrated into the UH-60A and CH-47D aircraft. The SOA PM was chartered in October 1987 to manage the prototype and procurement efforts for those aircraft to assure deliveries to meet the Congressionally mandated First Unit Equipped (FUE) requirement of all aircraft in place by the end of FY92.

## Non-Development Item

The SOA program is classified as a Non-Development Item (NDI) with the hardware and software being developed as parts of other programs, it has always been considered low in technical risk. However, relying on the success of these other programs and eliminating as much concurrence between development and production as possible has made the schedule risk high.

The MEP includes: Integrated

Avionics Subsystem (IAS) which will be Contractor Furnished Equipment (CFE) on both prototype and production contracts, Aircraft Survivability Equipment (ASE) which is being qualified on the prototype contract and will be Government Furnished Equipment (GFE), Terrain Following/Terrain Avoidance (TF/TA) Radar which will be integrated on the prototype and provided as CFE, T55-L-714 engines for the MH-47E which are being developed as a separate program and will be provided as GFE, FLIRs which will also be GFE and On-Board Oxygen Generating System (OBOGS) and an externally mounted rescue hoist, both of which will be CFE.

The most critical part of the MEP, the one that makes the whole system work, is the IAS. The IAS was competed and the Source Selection Evaluation Board (SSEB) selected IBM as the directed subcontractor in August 1987. The product of this board was a firm fixed price development contract for the IAS, including production options, which was then incorporated in the primes' prototype contracts.

IBM as the directed subcontractor to both primes assures the commonality of the IAS. This was a primary goal of the SOA program, even to the extent of interchangeability of black boxes

between the two different aircraft. This will enhance the availability of the aircraft as well as minimize life-cycle costs.

The R&D prototype contracts to incorporate the MEP into the CH-47D and UH-60A aircraft were signed 2 December 1987 and 26 January 1988, respectively. The results will be SOA configured aircraft designated MH-47E and MH-60K. Throughout these efforts the Airframe Contractors (AC) will have Total System Performance Responsibility (TSPR) for the integration and interface of the MEP.

## Production Contracts

The MH-47E and MH-60K production efforts will be contracted for by a series of fixed price type contracts with the aircraft primes. These contracts, beginning in FY89, will be for production set-up, long lead items, and the production effort. For the MH-47E, the production program consists of 17 modified CH-47's, with an option for an additional 34. For the UH-60, a total of 23 airframes will be affected, including one prototype.

To assure program costs are kept to a minimum, several efforts have been initiated. Competition of the IAS was the initial effort in this direction. Previously qualified components in production (Strategy — cont. on p. 63)

Mr. North is Chief, Business Management Division, Special Operations Aircraft Product Manager's Office, St. Louis, MO.



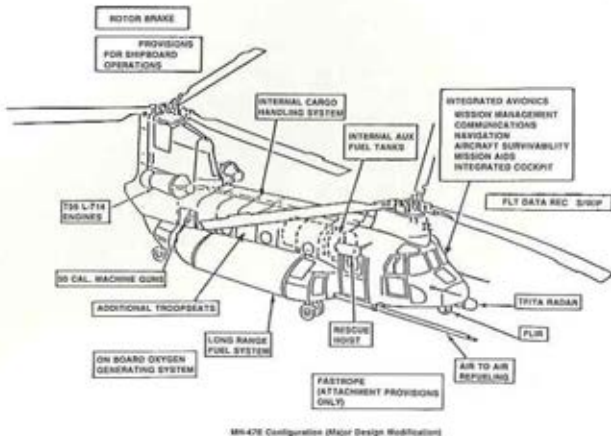
## Special Operations Aircraft: MH-47E Aircraft

by James K. Marsteller

Initiative 17 assigned the Army responsibility for long range special operations rotary-wing aircraft missions. The requirement is for medium lift and utility aircraft to perform clandestine, deep penetration airlift missions under adverse weather conditions, day or night, over all types of terrain. Time and resources did not permit development of a new weapon system. A decision was made to modify the CH-47 to provide the medium lift mission and the UH-60A for the utility mission. The modified aircraft are designated MH-47E and MH-60K, respectively. The latter is described in a separate article in this issue.

The MH-47E is a modification of the Army's well known, reliable, twin-engine, medium lift CH-47 CHINOOK series of cargo and transport helicopter. The prototype is being built by modifying one of the CH-47C's returned from service to Boeing Helicopters under the CH-47D Modernization Program. Boeing Helicopters is incorporating both the CH-47D improvements and the modifications which are peculiar to the Special Operations Aircraft (SOA) mission into the MH-47E prototype. The

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CH-47D Modernization Program provides substantial improvements over earlier models through improved reliability, availability and maintainability (RAM), productivity, flight safety and survivability.

The basic design approach for the MH-47E was to take advantage of developments which had been done for other aircraft, including other versions of the CHINOOK, both military and commercial. All CH-47D improvements are incorporated; however, no attempt was made to redesign the basic existing airframe to meet new or increased specifications or operational requirements except for electromagnetic environments.

The modifications peculiar to the SOA Program include updated engines, increased fuel capacity, air-to-air refueling, extended nose (15 inches), a "glass cockpit," integrated avionics and many items of mission equipment. These improvements provide extended range, increased lifting capability at 4,000 feet, 95°F, and improved communications, navigation and survivability as well as improved reliability and operational flexibility. The integrated cockpit is designed to relieve pilot workload during long missions under hazardous conditions in an environment requiring unusual concentration in a high stress situation.

(MH-47E — cont. on p. 70)



## MH-60K Aircraft

by Forest L. Baker

The MH-60K Special Operations Aircraft (SOA) which is an advanced version of the standard Army utility helicopter, supports the mission of United States Special Operations Command (USSOCOM) by providing the airlift capability needed for long range, clandestine penetration missions. The MH-60K performs its mission under day, night, and adverse weather conditions. It has a combat radius of 200 nautical miles and a deployment range of 755 nautical miles without refueling. Operating with a crew of four, the aircraft can transport up to twelve fully-equipped troops in the European Theater or seven under the more severe conditions typical of the Middle East.

### Improvements

The baseline aircraft is the result of a series of substantial improvements to the basic UH-60A BLACK HAWK aircraft. Flight system enhancements which increase payload include T700-GE-701C engines and an Improved Durability Gear Box (IDGB). The range for deep penetration missions is provided by two removable 230 gallon external fuel tanks and an air-to-air refueling capability. In addition,

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the SH-60B automatic flight control system (AFCS) provides improved stability and better handling qualities. The airframe has been reinforced to raise the maximum gross weight to 24,500 pounds and to support .50 caliber weapons for the two gunners. An external hoist has also been added.

The MH-60K also has full shipboard operability. SH-60B shipboard tie-downs have been added, as have a folding stabilator and a rotor brake. Increased EMI protection assures full mission capability in a dense shipboard electromagnetic environment.

The advanced avionics capability which has been incorporated into the SOA aircraft via four Multi-Function Displays (MFD) providing immediate access to displays from the Forward Looking Infra-Red (FLIR) sensor, the terrain avoidance/terrain following (TA/TF) multi-mode radar (MMR) and the digital map generator (DMG). Up to two hours of video from the mission sensors can be stored on the mission data recorder. The ANVIS Display Subsystem (ADS) presents critical flight information directly on the pilot's night vision goggles. An advanced, integrated digital navigation and guidance system assures accurate navigation under any weather condi-

tion. The extensive communications system assures secure VHF, UHF, SATCOM, and HF contact with friendly forces. Additionally, the Aircraft Survivability Equipment (ASE) provides warning and countermeasures against a wide variety of radar, infra-red and laser threats.

### MH-60K Cockpit Arrangement

The MH-60K cockpit, with basic geometry identical to the UH-60A, features an instrument panel and center console accommodating all required displays and controls for the special operations mission. The instrument panel exhibits two cathode ray tube multifunction displays (MFD) oriented horizontally in front of each pilot and a cluster of backup instrumentation located on panel centerline between the CRTs. Each outboard MFD provides a 6x6 inch monochromatic presentation of selectable screen formats combining flight dynamics, alphanumeric data and sensor imagery from the FLIR and multi-mode radar. Each inboard MFD provides a 6x6 inch full-color presentation of digital map, navigation and communication data, engine and powertrain parameters, and caution/advisory status. Within the limitations of color formatting on two CRTs, the MFD can present (MH-60K — cont. on p. 62)

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"We're handpicked Army Aviators."



"Go through intense training for special operations."



"We work the night shift. Anywhere in the world. At a moment's notice."



"The MH-60K is being designed for our special customers."



"We're nice guys. But you don't ever want to meet us..."



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## Integrated Logistics Support for Special Operations Aircraft

by John W. Moody

**S**pecial Operations Aircraft (SOA) logistical supportability and maintainability of the 1990s for the MH-47E and MH-60K helicopters is not "business as usual." Innovative planning, thinking, and execution of logistics requirements will determine how well we support the SOA's demanding goals and special mission in the 1990s and out years. The immediate goal is to structure and develop an Integrated Logistics Support (ILS) concept that will support the MH-47E/MH-60K special mission. Tailoring logistics support to be responsive to the user needs and develop deployment packages with expertise to support worldwide contingencies was paramount. Based on current planning these aircraft will be fielded at three locations within the CONUS. Fielding will start in FY90/91 respectively for the MH-47E/MH-60K with First Unit Equipped (FUE) by the end of FY92.

### Maintenance

Following the guidance and direction of Army leadership, logistics support will be accomplished under a two level maintenance concept, Aviation Unit Maintenance (AVUM) and Avia-

tion Intermediate Maintenance (AVIM)/Depot. The Army will be principally responsible for all AVUM maintenance. Under Contractor Logistics Support (CLS), the prime contractors, Boeing Helicopter and Sikorsky Aircraft, will be responsible for AVIM/Depot maintenance. The prime contractors will also provide backup support for AVUM to maintain the mission capable (MC) rate of 85%. All subcontractors and vendors supporting the MH-47E/MH-60K will come under the CLS contract that the Army will enter into with Boeing and Sikorsky. The exception is the FLIR which will continue to be maintained under a Government contract with Hughes. CLS will be in place for support 30 days prior to delivery of the first production aircraft.

Under CLS, our objective is to have both prime contractors to structure and develop together, logistics support for those systems and subsystems that are common to both aircraft. The main and immediate area of concern is the Integrated Avionics Subsystems (IAS). We are also looking for smarter ways to support the MH-47E and MH-60K by improving maintenance and increasing reliability. The development and implementation of Reliability, Availability, and Maintainability; Logistics Enhance-

ments is one effort to make it happen.

These enhancements include an expanded post flight inspection checklist which will be developed by Boeing and Sikorsky under the prototype phase. A "Closed-loop" repair and overhaul program for dynamic components and the scheduled replacement of critical dynamic components under a reduced life program will be developed during the production phase and implemented under CLS. Due to the gross operating weights and mission profiles of the MH-47E/MH-60K, certain dynamic components are being identified for candidates for reduced Time Between Overhaul and management under the "closed-loop" program.

### Planning

In the case of logistics support, our near term and long range planning must encompass an in-depth look at how the Army can best logistically support a mixture of Special Operations Aircraft. This includes those already fielded and the ones we are modifying and upgrading — Commonality in mission requirements, systems, spares, and equipment are key drivers which makes sense to pull together all Special Operations Forces logistical support under one concept and posture.

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Mr. Moody is Chief, Logistics Management Division, Special Operations Aircraft Product Manager's Office, St. Louis, MO.

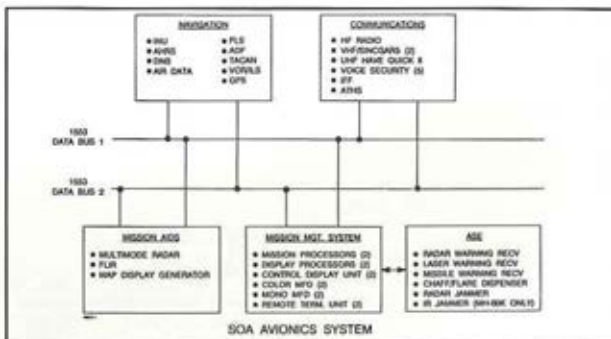


# The Army Special Operations Aircraft (SOA) Avionic System

by Ron Karg

**C**urrent and evolving Air-Land Battle doctrine dictates that Army aircraft supporting the worldwide Special Operations Forces (SOF) need the capabilities of performing clandestine, deep penetration airlift missions. The aircraft must be able to perform their missions during adverse weather and in high threat environments, with limited lighting and visibility during day and night operations, anywhere in the world and over all types of terrain. Existing Army aircraft are limited in their ability to perform special operations missions because of limited self-deployability and aircraft system performance characteristics.

To satisfy this operational requirement, Headquarters, Department of the Army, initiated the Special Operations Forces Helicopter Modification (SOF MOD) Project in 1986 and assigned the program to AVSCOM. In 1987, the project was renamed and the Special Operations Aircraft Product Manager Office (SOA-PMO) was formed. The mission of the SOA-PMO is to develop and qualify modifications to the UH-60A and CH-47D aircraft to meet the Special



Operations Forces Required Operational Capability (ROC). The aircraft will be redesignated as the MH-60K and the MH-47E.

The SOA program is a Non-Developmental Item (NDI) program and will include a Limited Procurement-Urgent (LP-U) buy of 17 MH-47E and 23 MH-60K helicopters. A firm fixed price not to exceed letter contract was awarded to Boeing Helicopter in December 1987 for the prototype MH-47E. A similar contract was awarded to Sikorsky Aircraft in January 1988 for the MH-60K. The First Unit Equipped (FUE) dates are August 1991 for the MH-47E and November 1992 for the MH-60K.

The SOA program requires the design, integration and qualification of a Mission Equipment Package (MEP). The MEP will include: an Integrated Avionic

Subsystem (IAS), an expanded Aircraft Survivability Equipment (ASE) suite, upgraded armament, additional external and internal auxiliary fuel tanks and air-to-air refueling provisions, upgraded engines, and an upgraded transmission for the MH-60K only. A primary goal of the SOA program is commonality between the MEPs for the MH-60K and MH-47E to enhance effective operations and minimize supportability costs.

AVRADA supported the SOA-PMO by developing the avionic system architecture and by conducting the Source Selection Evaluation for the SOA IAS. IBM's Federal Systems Division, Owego, NY was competitively selected in August 1987 as the directed IAS subcontractor to Boeing and Sikorsky, the aircraft (SOA — cont. on p. 20)

Mr. Karg is an Electronic Engineer in the Aviation Electronics Integration and Installation Division, Avionics Research & Development Activity, Ft. Monmouth, N.J.

## SOA - cont. from p. 19

prime contractors.

The SOA avionics system includes navigation, communication, mission aids and aircraft survivability equipment subsystems. The avionics subsystems are integrated by means of a mission management system that uses two dual-redundant MIL-STD-1553B multiplex data buses as the subsystem integrating element and highly integrated multi-function control/displays as the aircrew integrating element (Fig. 1). The avionics hardware and software for the MH-47E and MH-60K will be identical, except for some aircraft system peculiarities.

The MIL-STD-1553 data bus system architecture has been designed to ensure mission completion in the event of any single-point failure, provide graceful degradation and automatic system reconfiguration in case of subsystem failures, and to easily accommodate future system growth or technology updates.

### Useful Tool

A useful tool in describing the SOA integrated avionics system is to think of the system as analogous to the human cognitive system, with the Mission Management System (MMS) representing the brain and nervous system and the navigation, communication, mission aids, and aircraft survivability equipment representing the senses.

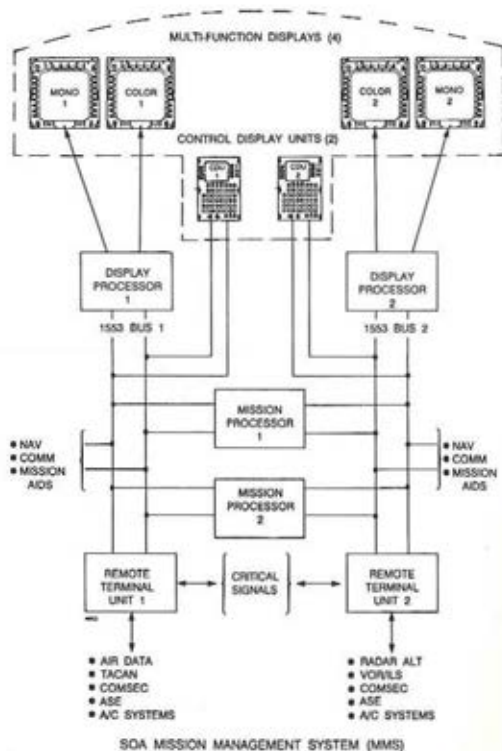
The center of the SOA avionics system is the MMS (Fig. 2), consisting of: two MIL-STD-1750A Mission Processors (MPs, "the brain"), two

dual-redundant MIL-STD-1553B multiplex data buses (the "nerve network"), two Display Processors (DPs), two Color Multifunction Displays (CMFDs), two Monochromatic Multifunction Displays (MMFDs), two Control Display Units (CDUs), and two Remote Terminal Units (RTUs). The MMS provides the SOA aircraft a fully integrated "glass" cockpit, designed to significantly reduce mission abort conditions.

The primary function of the

MPs is to control data bus traffic between all aircraft subsystems and to provide a completely redundant back-up data bus control capability if one of the MPs fails. Each MP has a memory of 256K words, executes 1.3 MIPS (Millions of Instructions Per Second), and has growth capability for two additional 1553 data bus channels.

The Display Processors (DPs) are essentially symbol generators that drive the color (SOA - cont. on p. 22)



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## SOA — cont. from p. 20

and monochromatic MFDs. Each DP has six video input channels and four video output channels. Each DP is capable of driving two MFDs with independent display formats and two additional MFDs with repeated formats. Therefore, if one DP fails, all flight/mission essential information is still available to each flight crew member.

### MFDs

The MFDs are the primary interface between the flight crew and the MMS. The pilot and copilot each have a Monochromatic MFD in the outboard instrument panel position and a color MFD in the inboard position. The color and monochromatic MFDs are similar in design and are electrically and physically interchangeable. All the MFDs are ANVIS-compatible and provide a 6 by 6 inch display. Either crew member has the capability to control all MFD functions by means of bezel-mounted pushbuttons. Each MFD is capable of presenting either a 525 or 875 line raster display with stroke written symbol overlays

### CDUs

The CDUs provide additional crew interface with the SOA avionic system via a full alphanumeric keyboard, dedicated function keys, and a 3 by 2 1/2 inch ANVIS-compatible, monochromatic display. Eight 24 character lines of alphanumeric information can be displayed on the CDUs. The CDUs are the primary interface with the avionic subsystems requiring extensive alphanumeric

input/output capability, such as the communication, navigation, and identification subsystems.

### RTUs

The RTUs interface the non-MIL-STD-1553B compatible equipment with the data bus. One RTU is located on each of the two buses, with critical signals cross-strapped to both RTUs to maintain critical signal input if one of the RTUs fails. Each RTU has been designed to accommodate a mixture of analog, discrete digital logic, synchro, audio, and other input/output signals.

As the Mission Management System was analogous to the "cognitive center" of the SOA, the other major avionic subsystems (Mission Aids, Communications, Navigation, and Aircraft Survivability Equipment) can be compared to the "senses" of the aircraft.

The Mission Aids subsystem, the "eyes" for the SOA, consists of a Multimode Radar (MMR), a Forward Looking Infrared (FLIR), and a digital Map Display Generator (MDG). Collectively, these sensors provide the "sight" necessary to perform clandestine, deep penetration missions in adverse weather, day or night, under high threat conditions anywhere in the world.

### MMR

The MMR provides Terrain Following (TF), Terrain Avoidance (TA), Ground Mapping (GM), Air-to-Ground Ranging (AGR), and Weather Avoidance (WA) modes, as well as combined modes of TF/TA and TF/GM. These modes allow safe, manual or automatic, terrain following flight at

selectable clearance settings down to 100 feet. In addition, Map Display Generator video can be superimposed and give information regarding the far side of hills and mountains. Therefore, for all practical purposes, the system can "see" through obstacles and terrain.

### FLIR

The FLIR acts as an aid in avoiding obstacles, locating checkpoints, and serves as a backup to the ANVIS for performing night piloting. The FLIR also has a growth capability which will allow its use as a sight, for either the STINGER missile or a future air-to-air missile, by overlaying a targeting circle on the video which will flash when missile lock-on occurs.

### MDG

The MDG has the capability to display aircraft position and other navigational, threat, or mission planing data, superimposed over a real-time moving map. The MDG will allow for navigation system updates using manual slewing of the map and will provide threat intervisibility plots overlaid on the map. The MDG has been integrated with the Inertial Navigation Unit (INU), through the implementation of a computer algorithm in the Mission Processor, to provide a self-contained Terrain Referenced Navigation (TRN) capability.

The communication subsystem acts as the "ears" and "voice" for the SOA. The system consists of: voice communications external to the aircraft using UHF, VHF, and HF (SOA — cont. on p. 63)

Operations:

## Light Division Innovative Training

by Lieutenant Colonel Frank T. Taddonio



**FT. ORD, CA** — The purpose of this article is to highlight some challenging training our aviation Lightfighters have been doing over the last year. LTC Paul Soderlund, Commander, 2d Squadron (Recon) 9th Cavalry, and I presented this information at the AAAA Annual Convention and I wanted all of you who were unable to attend to receive it as well. Three key events which the Aviation Brigade, 7th Infan-

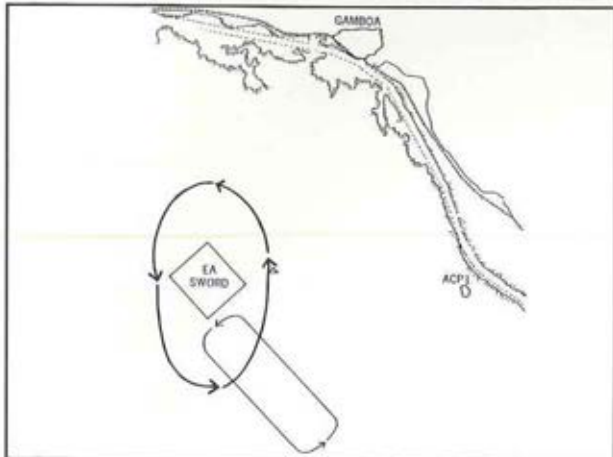
As you know, the beginning of 1988 was marked by unrest and instability in Panama. Large scale demonstrations, calls for general strikes, and an attempted coup dictated that the situation be addressed by our national leaders. Aviation assets of our division were required to enhance security along with other forces. This was not to be a routine deployment, therefore, the Division Battle staff conducted contin-

gressiveness of our aviation leaders created opportunities for numerous joint operations.

Elements of the task force have continued to train and operate with all other members of Joint Task Force-Panama. For example, operations are conducted with Air Force AC-130s on a monthly basis. Detailed planning and coordination have enhanced live fires involving the sequential and simultaneous engagement of targets by AH-1s and the AC-130 gunship. An engagement area (see Figure A) is established in the Balboa Range Complex which is located midway along the canal, southwest of the town of Gamboa.

Aircraft use ACP 1 to enter the area, proceed to their respective firing patterns and engage hostile targets under the control of the battle captain in an OH-58. COBRAs use a small elongated pattern at tree top level while the AC-130 engages targets from altitude using the larger pattern. An OH-58C controls, observes and reports from the observation post. Command and control of the operation is greatly enhanced by a Task Force LNO on board the AC-130.

Once the live fire is completed, UH-60s link up with the AC-130 and proceed north to Ft. Sherman for an insertion of infantrymen. An interesting aspect of this phase of the exercise is the ability for the AC-130 to use its IR spotlight to confirm key terrain features for navigation and, finally, the landing zone. This form of low intensity JAAT revitalizes a once proven concept employed during (Training — cont. on p. 26)



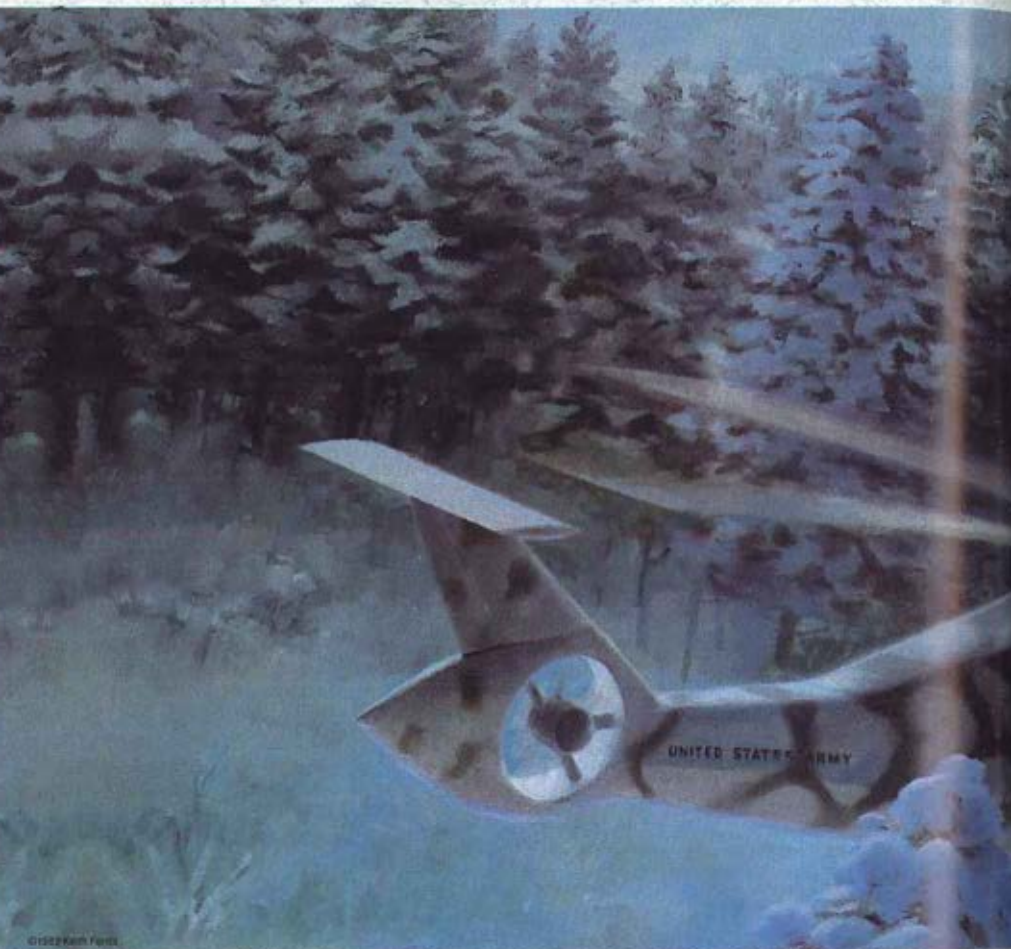
try Division (Light), has been involved in will be used to describe our innovative training.

The first event is an actual contingency operation conducted in response to a crisis situation in the Republic of Panama.

LTC Taddonio is Executive Officer, Aviation Brigade, 7th Infantry Division (Light) Fort Ord, CA.

gency planning through an X-hour sequence. This planning resulted in the formation of an Aviation Task Force — TF HAWK. The task force deployed from Travis AFB, CA and rapidly closed on Howard AFB, Panama. Once the task force settled into its real world mission, the initiative and ag-

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## Training - cont. from p. 23

the war in Vietnam.

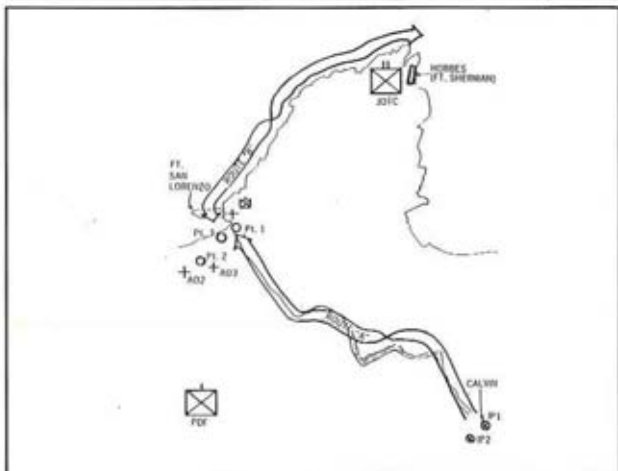
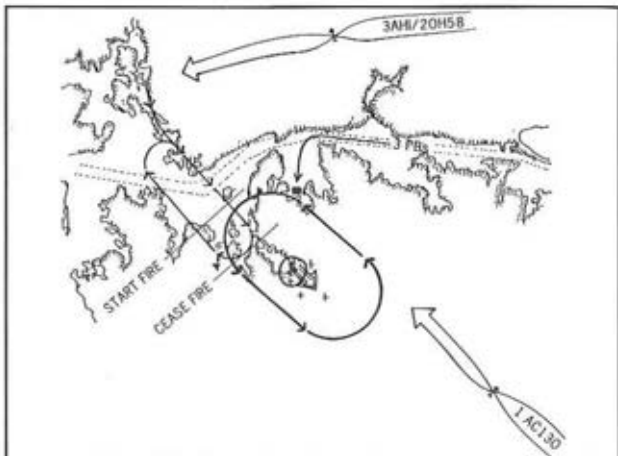
Another training opportunity emulates a Vietnam tactic used by the riverine force of the 9th Infantry Division. Scouts and COBRAs of TF HAWK join forces with assets of U.S. Navy Special Boat Unit 26 to engage targets along the canal.

This live fire operation, conducted at night, combines the fires of AH-1s, AC-130 gunship, and the patrol boats of SBU-26. The operation is executed based on intelligence indicating the location of enemy gun boats fixed at a site designated by the circle in Figure B. Patrol boats engage the floating target hull with indirect mortar fires while COBRAs use running fire to engage with 20mm and 2.75" rockets. The AC-130 employs all weapons systems to engage the target. Also, the IR source of the AC-130 proves highly effective in designating targets under low illumination. The devastatingly accurate fires of all these systems combine to produce effects beyond the capability of each individual system.

### Search & Rescue

The recovery of downed aviators has always been a challenging endeavor. The task force has worked diligently to improve its efficiency in extracting downed crews in conjunction with the Air Force. The schematic at Figure C reflects one such training exercise conducted at Ft. Sherman. A scout/gun team uses route B to begin a search for the actual site.

Infantry with UH-60s remain on standby at Ft. Sherman



(code name HOBBS) prepared for a security mission. Once located at points 1, 2, and 3, Air Force OA-37s and A-7s provide cover overhead while the scouts call for the insertion of the security force and ultimately, execute pickup by the Medevac UH-60. These monthly joint operations have greatly improved the coordination between all elements and facilitate rapid extraction of

downed crews.

The opportunities outlined above have been seized during an actual contingency, now let's look at a training exercise conducted on the West Coast. The deployment of TF HAWK to Panama has caused the division and the brigade to reassess its methods for responding to contingencies. Reality has proven that the 7th ID(L) will no longer deploy a

pure battalion, but rather teams or task forces comprised of assault, attack, and reconnaissance. We capitalized on our experience with TF HAWK to deploy a company/team to Camp Pendleton for KERNEL BLITZ. This classified exercise employed opposing forces from the Navy and the Marines.

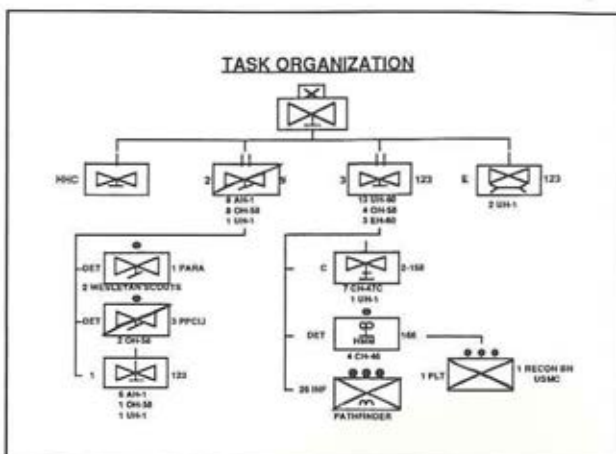
A company team, TM Viper, was task organized with elements of the attack battalion and the assault battalion including three OH-58s, three AH-1Es, four UH-60s, seven vehicles, and 40 personnel. A company commander from the attack battalion was charged with the responsibility for organizing, training, and self-deploying this team to fulfill the exercise objectives. While the operation occurred predominantly on Camp Pendleton, naval elements operated from 60 miles down to within five miles offshore.

The training objectives we established for this operation included:

- Company/Team Combined Arms Operations
- Deck Landing Qualification
- Joint Navy/Marine/Army Operations
- Physiology Training

This operation proved to be of great benefit to increasing our proficiency at deck landing as we used the USS TARAWA to conduct qualification training. This directly improves the brigade's ability to deploy and conduct operations worldwide. We also took advantage of the excellent aeromedical training program at Miramar NAS.

The operational scenario incorporated four phases. The company team operated with both friendly and opposing



forces requiring the commander to demonstrate his agility throughout the operation.

The first phase required the team to recon for marine forces preparing for the invasion of their fictitious nation. Compatibility of communications allowed for effective control of the reconnaissance effort as the situation developed.

During the next phase, TM VIPER conducted extensive security missions. The team was able to conduct numerous engagements as the Regimental Landing Team brought ashore its tanks and armored vehicles. The use of Multiple Integrated Laser Engagement Simulation (MILES) verified for the commander that he had effectively employed his forces.

Upon completion of the mid intensity phase, the team commenced search and attack missions to find base camps and caches. Proper use of signaling for identification of ground forces was imperative. This training was a very positive experience for the company commander and the units of the

brigade as they learned a great deal about operations in a joint environment.

The final event to be addressed is the most recent exercise of the Aviation Brigade. FTX CALTROP FORCE was the first field training exercise conducted to evaluate the interoperability and standardization of the 1964 American, British, Canadian and Australian (ABCA) Quadripartite agreements and its 1984 Field SOP. The exercise took place 75 miles from Ft. Ord at Ft. Hunter Liggett, the 7th ID(L)'s major close in training area. For scenario purposes, maps were issued portraying the local area as the fictitious island nation of San Rafael. The Aviation Brigade objectives included:

- Test/Practice Interoperability
- Organize/Employ Joint/Combined Aviation Task Force
- Conduct Close Operations
- Employ MILES on all aircraft

A key aspect of this exercise was the extensive use of MILES on all Aviation Brigade (Training — cont. on p. 30)

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*MH-60K*



*MH-47E*

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Telex: 666817  
FAX: (607) 772-9090



## Training - cont. from p. 27

aircraft. This was the first time we have been able to use MILES on the OH-58 since 1986. The improved design worked exceptionally well under day and NVG conditions.

The Aviation Brigade task organization is shown at Figure D. The Brigade received augmentation which offset the forward deployment of one of the Division's two BLACK HAWK

with two platoons of CH-47s from the C/2-158 Aviation Regiment, U.S. Army Reserve, Kansas, four CH-46s from HMM 166, USMC, and a PATH-FINDER Platoon.

The exercise was scheduled to begin with the airborne drop of 1st Para and the air assault of 3 Princess Patricia Canadian Light Infantry (PPCLI) into forward blocking positions. The scheduled amphibious landing of 6 Royal Australian Regiment

conducted extensive movement of barrier materials forward into defensive positions and several small scale night cross FLOT raids. During the delay, it was augmented with D/1-249 Inf TOW Light Anti-Tank (TLAT) and provided air and ground anti-armor fires throughout the 2d Brigade sector.

During the two day counter-attack, the brigade conducted one battalion size combat air assault each under night vision goggles in coordination with the infantry ground attacks in the adjacent sector.

### ACCOMPLISHMENTS

<u>TOTAL</u>	<u>DAY</u>	<u>NVG</u>	
HOURS FLOWN	1203.4	329.4	1532.8
PAX TRANSPORTED	3,252		
FUEL PUMPED	172,486 gal.		
CARGO TRANSPORTED	443,800 lbs.		
MILES DRIVEN	66,174		

#### "Blues Platoon"

The reconnaissance squadron provided night reconnaissance of routes and objectives. Additionally, it received one platoon of Infantry OPCON and the required lift assets to move a Quick Reaction Force to help block/delay the OPFOR's counter attack force until the reserve could be brought forward. In effect, the squadron formed a "Blues Platoon."

The exercise ended for the soldiers with the successful counterattack and for the staff with the planning for restoration of the international boundary and operation in a low intensity environment.

In addition to the accomplishments shown at Figure E, the Brigade flew 127 day missions, 50 night missions, conducted two JAAT missions against massed armor formations. This was made possible through the effective task organization and command and control by the brigade headquarters of the 12 different units placed under the brigade's control during the exer-

companies and one helicopter company to TF HAWK in Panama. Additionally, key members of the attack battalion were forward deployed to Korea to participate in TEAM SPIRIT and the National Training Center, performing as controllers. The Reconnaissance Squadron was augmented with two Wesleyan Scouts from the United Kingdom contingent, two OH-58A models from the Canadian contingent and one of the attack battalion's two remaining attack companies. The assault battalion was augmented

(RAR) was cancelled due to high surf conditions. However the Aviation Brigade quickly responded by conducting a ship to shore air movement of this unit from the deck of the USS Ft. McHenry and HMAS Tobruk to the Brigade Support Area. Air movement of 5-21 Inf completed the aviation mission for Phase I, and culminated in execution of Phase II.

The Reconnaissance Squadron maintained the forward screen during the initial defense with its air and ground troops. The assault battalion

cise. These exercises, and many more the brigade has participated in such as JRTC, NTC and GALLANT EAGLE, have produced many lessons learned but I want to address some of the more significant ones.

The complexity of joint and combined operations dictates effective C3. We have learned that CEOs must incorporate all elements within the joint task force. Use of fixed callsigns on a secure net also reduces confusion. Additionally, a common net variable must be available to facilitate aviation operations.

Our experiences have proven that there is extensive interservice compatibility in communications hardware. Some noted differences lie in lack of availability of secure gear by other services, use of high frequency radios vis a vis FM, and our inability to use frequency hopping.

Liaison officers are critical to synchronization of aviation operations with the ground tactical plan. In all cases, we have employed them to ensure success. This includes our representatives on board naval vessels, airborne in AC-130s, and one assigned to each brigade in our division.

### **NVG Compatibility**

Other members of the joint/combined arena must be educated concerning the compatibility of certain colors with our night vision devices. As an example, green or blue chem sticks cannot be used with AN/AVS-6, conversely these colors are efficient with AN/PVS-5s. Also, numerous other techniques have proven effective at night. These in-

clude smoke grenades, GLINT tape, and strobes with IR lenses.

Differences in terminology between the services have always been a source of concern. The only way we have been successful at bridging the language gap is through extensive preparation and coordination. In the joint environment, thorough planning and detailed coordination result in sound execution of plans. Briefings and rehearsals are an integral aspect of this point. Each of the complicated operations covered today were completed successfully based on this fact.

## **"...we must look back to prevent continued relearning of previously successful concepts and tactics."**

While all our services use compatible aviation fuels, there were some hardware improvements required to refuel OH-58s and AH-1s on board ship. Ordnance for our AH-1Es is totally compatible with marine AH-1Ws. However our Panama experience revalidated a need for a delay set fuze to penetrate the jungle canopy.

During KERNEL BLITZ and CALTROP FORCE, we discovered that our recon techniques differ greatly from that of the Marines and Canadians respectively. While they use the wing man technique and fly at higher altitudes, we use bounding or bounding overwatch at NOE altitudes. We

have encountered a heavier reliance on positive control of airspace in the joint arena as opposed to our use of procedural measures. The integration of helicopters, fast movers, RPVs, and extensive ADA was enhanced by the use of radars.

Experiments with TF HAWK resulted in our learning that aircraft activate REMBASE strings. When employed in the area of a REMBASS string, coordination must be effected with the unit S2.

The use of PATHFINDERs during CALTROP FORCE reinforced what we already know. They enhance all facets of air operations.

### **Past Lessons**

While we are always learning, it is important to note that we are also relearning lessons of the past. These important lessons over the years can be summed up as follows: "Train the way we will fight" is an adage which means we must continually organize for combat. Forming company/teams and task forces is a way of life.

Many of the lessons we have discussed are not new. They are well founded in the history of our profession and we must look back to prevent continued relearning of previously successful concepts and tactics.

Lastly, it is no surprise that we have continuously found our lightfighters in a purple environment. Joint and combined operations must become routine. In closing, Army Aviation requires aggressive, innovative and creative leaders to sustain our momentum into the future as a full-fledged member of the combined arms team.

IIII

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**GENERAL  
INSTRUMENT**

Research & Development:

## Joint Efforts in Aviation R&D

by Fred E. Cappetta



**ST. LOUIS, MO** — The 1990's promise to be a decade of joint efforts — in international cooperative R&D, tri-service activity, and industry teaming. No nation — not even the U.S. — can afford to develop and produce all of its own military equipment. Moreover, trying to produce everything ourselves means nothing can be produced at affordable prices.

In constant 1988 dollars, DOD's FY89 budget shows defense spending in its fifth straight year of decline. Meanwhile, the cost and technological complexity of modern weapon systems and new technology of all types have increased dramatically.

But how do we maintain our technological edge when the costs of modern weapon systems are rising, our defense dollars are shrinking, and the technological sophistication of the threat is increasing?

### R&D Resources

Part of the answer can be found through the use of cooperative research and development resources. The Directorate for Advanced Systems is pursuing joint development efforts with the Air Force, Navy, and our allied nations in an effort to share R&D costs. This results in Army savings which can then be used for discretionary R&D programs and/or new technologies which have

historically given the U.S. its competitive edge in both military and economic sectors.

Tri-service activities are major contributors in our efficient use of economical resources while concurrently meeting our user's needs and enhancing our technological superiority. MG Stephenson, Commander, AVSCOM, assumed the chairmanship of the Joint Aeronautical Commanders Group (JACG) on 1 June 88. This group is composed of the Commanders of AVSCOM, the U.S. Naval Air Systems Command, the U.S. Air Force Systems Command, and the U.S. Air Force Logistics Command, with HQ U.S. Marine Corps as an invited guest. DAS supports the JACG efforts in maintaining communication and cooperation among the Services, eliminating duplicative effort and facilities, and developing interoperative systems to assure flexibility and utility in time of war.

Emerging initiatives of our allies aimed at gaining a larger share of DOD awards, the swing towards conventional defense in Europe, and the emphasis on nondevelopmental items have opened the door to foreign competition. Foreign manufacturers can provide important technical expertise that can be acquired far more easily, quickly, and more cost effectively. Without direct investment, unique benefits can be achieved from major foreign capabilities and pro-

grams, such as basic rotorcraft R&D technology and advancements, extensive high quality rotorcraft experimental data sets, and math modeling. The judicious pursuit of international armaments cooperation must continue as an effective way to reduce the costs in the face of an austere budget.

### Teaming Arrangements

With an integrated and competitive Europe on the horizon in 1992 and the shrinking DOD budget, it is becoming apparent that U.S. industries which are interested in sharing in European programs will have to become involved in international teaming arrangements — many of which are already in place. Teaming arrangements, either domestic or foreign, are seen by prime contractors as the most efficient way to transform blueprints into corporate profits. Within this arrangement, the financial burdens of R&D and the funds spent competing for contracts are spread among the competing partners. In most cases, teams are formed based upon existing systems or parts of systems, which reduces development costs and shows a rapid return for a minimal initial investment.

Since affordability is likely to drive decisions on most defense programs over the next decade, the future holds more opportunities for joint efforts in research and development. As our aircraft systems become more sophisticated, it is now more important than ever before to efficiently use our R&D resources and capitalize on our own tech base as well as the tech base of industry, foreign countries, and our sister Services to satisfy the needs of Army Aviation. ■■■■

Mr. Cappetta is Deputy Director of Advanced Systems, AVSCOM, St. Louis, MO.

# The 1989 Aviation 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. Maint Crs:  
Maintenance Courses. Saf Crs: Safety  
Courses. Time: Total Hours Flight Time.  
Cbt: Total Hours Combat Time. Grad:  
Graduation Date From Primary Flight  
School. 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 Company Grade AAAA members. Only listings returned to the AAAA National Office before May 26, 1989 are listed.

## Hi-Timers

CPT Daniel A. Godfrey.....7500  
1LT Robert H. Fletcher.....7000  
1LT Jack T. Ogle.....5000  
1LT Michael P. Slattery.....2300  
2LT Ken W. Collins.....2200  
1LT Robert M. Cumbie.....1801  
1LT Kevin T. Day.....1800  
1LT Erich Erker.....1750  
1LT Donald E. Lassiter, Jr.....1575  
2LT Joseph D. Maks.....1500  
2LT Richard C. Carroll, Jr.....1500  
2LT Clayton M. Huttmacher.....1350  
1LT John Knotts.....1300  
1LT Daniel M. Dent.....1300  
1LT James A. Stoner, III.....1250  
1LT Paul Darryl.....1230  
1LT Michael A. Casper.....1200  
1LT Thomas M. Malee, II.....1000  
1LT/P Harold D. Hazen.....1000  
1LT Dean W. Esponschied.....1000  
1LT Carlos J. Castrillo.....1000  
1LT Gary W. Cumbey.....980  
1LT Michael J. McLean.....975  
1LT Alan M. Stull.....930  
1LT Susan E. Van Orman.....900  
1LT Bruce W. Ollstein.....900  
1LT Joseph J. Conli.....900  
1LT Joane K. Brown.....900  
1LT Lewis D. Bishop.....900  
1LT Chester A. Sublett.....875  
1LT Michael D. Parrish.....850  
2LT Joseph E. Touchet.....840  
2LT Richard K. Wright.....800  
1LT John P. Roney.....800  
1LT Neil B. Robbins.....800  
CPT Charles S. Cason.....800  
1LT Bradley J. Wood.....750  
1LT Bruce D. Pulgencio.....750  
1LT Scott R. Morcomb.....750  
1LT Joseph D. McMullen.....750  
1LT Thomas J. Holguin.....750  
1LT D. Mark Heitzig.....750  
1LT Martin J. Tower.....730  
1LT Craig C. Rollins.....725  
1LT David C. Wood.....700  
1LT William W. Wheeler.....700  
1LT Russell L. Webb.....700  
1LT Dean E. Szczepkowski.....700

**ABEJON, Alvin A.**, (CPT) (M85) (Alt) 2861 St. Andrews Drive, Sierra Vista, AZ 85635-5288. Dy: (602) 538-2811. Res: (602) 378-0008. S: Lynn. Dy: Chief, Flt Ops, USAEPG, Ft. Huachuca. Rtg: MAA. Qual: AH-1S. Time: 3,500 Hrs. Grad: Dec 73.

**ABRANTES, George F.**, (CPT) (M87) 5521 Limerick Circle, Apt. 12, Wilmington, DE 19806. Res: (302) 292-8944. S: Linda. Dy: Ir. Rtg: AA. Qual: UH-60A. Time: 650 Hrs. Grad: Dec 81.

**ACKER, Chris A.**, (CPT/P) (M77) (Chris) 104 Mohawk Street, Enterprise, AL 36330. Dy: AV 558-2914. Res: (205) 347-7500. S: Nicki. Dy: Directorate of Combat Devts., Ft. Rucker. Rtg: SAA SIP. Rtg: UH-60. Time: 4,900 Hrs. Grad: Aug 75.

**ADAMAKOS, George L.**, (CPT) (M81) 21 Willow Way, St. Charles, MO 63303. Dy: (314) 263-1112. Res: (314) 441-8867. S: Julia. Dy: Sys Dev Eng AVSCOM, St. Louis. Rtg: SAA. Qual: CH-47. Time: 1,200 Hrs. Grad: Dec 80.

**ADAMS, Benjamin F.**, (CPT) (M81) (Ben) 811 Margaret Drive, Clarksville, TN 37042. Res: (615) 552-5384. S: Shelley. Dy: 7-101 Avn Regt. Ft. Campbell. Rtg: AA IP. Maint Crs: UH-1. Qual: AH-1S CH-47D. Time: 2,700 Hrs. Grad: Mar 80.

**ADAMS, Berkley B.**, (CPT) (M87) 1809 Diana Lane, Harker Heights, TX 76543. Dy: (817) 287-6410. Res: (817) 698-5903. S: Cecilia. Dy: Hnt, 1-6 Cav. 6 Cav Bde, Ft. Hood. Rtg: AA TP. Maint Crs: UH-1. Qual: UH-60A. Time: 500 Hrs. Grad: Sep 81.

**ADAMS, Thomas M.**, (CPT) (M87) 159th Med Co, APO NY 09175-3624. Dy: 348-5777. Res: (061) 516-4268. Dy: Trng Off/Section Ldr, Darmstadt, W. Germany. Rtg: AA. Qual: UH-60A. Time: 1,225 Hrs. Grad: Jun 83.

**AID, Michael C.**, (1LT) (M88) 5151 Hagood, Fort Bliss, TX 79906. Dy: (915) 568-8908. Res: (915) 566-6348. Dy: Avn Maintenance Off, AVUM Trp, 4/3 ACR. Rtg: AA TP. Maint Crs: UH-1. Time: 600 Hrs. Grad: Sep 87.

**ALFORD, Manley R.**, (2LT) (M89) (Ray) 21 Kibby Street, Fort Rucker, AL 36362. Dy: (404) 255-3311. Res: (404) 598-4943. S: Kathy. Dy: E Co, 1-145th Avn, Ft. Rucker. Rtg: AA.

**ALLEGOOD, France B.**, (CPT) (M86) (Skip) 2035 Irving Street, Lakeland, FL 33801. S: Laurie. Dy: Armor Cpt's Course, Ft. Knox, KY. Rtg: AA. Qual: AH-1S. Time: 900 Hrs. Grad: Dec 85.

**ALLEN, Shawn D.**, (2LT) (M88) P.O. Box 5977, Fort Hood, TX 76544. Dy: (817) 288-3535. Res: (904) 478-2634. Dy: Aeroscout Plt Ldr, 3rd/1st AHB. Rtg: AA. Time: 365 Hrs. Grad: Oct 88.

**ALMETTER, Randal A.**, (CPT) (M87) (Randy) HHC, 4th Bde, APO NY 09185. S: Joanne. Dy: HHC, 4th Bde, 8 ID(M), Finthen AAF. Rtg: AA TP. Maint Crs: AH-1. Qual: AH-1S. Time: 900 Hrs. Grad: Oct 81.

**ALONSO HOLTORF, Richard M.**, (2LT) (M88) 104 Nancy Drive, Enterprise, AL 36330. Dy: (205) 255-3311. Res: (205) 347-6175. Dy: Army Avn Flt School Student, E Co, 1/145, A Co, 5-501st, Yanki, Korea. Rtg: AA. Maint Crs: AH-1 Pilot. Qual: AH-1S. Time: 200 Hrs. Grad: Jul 89.

**AMOROSO, Paul J.**, (CPT) (M86) (Ammo) P.O. Box 35506, Brooks AFB, TX 78235. S: Niki. Dy: Resident, Aerospace Medicine, Brooks AFB. Rtg: AA. Time: 300 Hrs.

**ANDERSON, David A.**, (CPT) (M84) (David) 102 Anthony Circle, Apt. 1, Enterprise, AL 36330. Dy: (205) 255-5198. Res: (705) 347-0732. Dy: Chief, Sys Eval Div, Air Traffic Control Activity,

## Aviation Officer Directory

Ft. Rucker. Rtg: AA. Time: 900 Hrs. Grad: Sep 83.

**ANDERSON, Kenneth A.**, (CPT) (M80) (Ken) 920 Notch Drive, St. Charles, MO 63303. Dy: (314) 771-7129. Res: (314) 447-8041. S: Violet E. Dy: Cdr, B Co, 715th Avn Regt, Scott AFB, IL. Rtg: AA. Qual: UH-60A. Time: 600 Hrs. Grad: Jan 81.

**ANDERSON, Mark A.**, (1LT) (M87) P.O. Box 5503, Fort Hood, TX 76544. Dy: (817) 288-1412. Res: (817) 690-3123. Dy: Scout Plt Ldr, A Co, 1/227th Avn, 1st Cav Div. Rtg: AA. Qual: AH-1S. Time: 500 Hrs. Grad: Dec 87.

**ANDERSON, Randall G.**, (CPT) (M89) 377th Medical Company (AA), APO San Francisco 96301. Dy: Aeromedical Evac Plt Ldr, Seoul, Korea. Rtg: AA. Qual: UH-60A. Time: 380 Hrs. Grad: Oct 87.

**ANDERSON-CLAY, Shirley A.**, (CPT) (M88) 12240 Kimbrook Drive, Florissant, MO 63033. Dy: (314) 263-2638. Dy: Contract Attorney, AVSCOM. Rtg: AA.

**ANDRUS, Mark D.**, (1LT) (M89) (Speed) 8236 A South Lewis, Fort Drum, NY 13603. Dy: (315) 772-4863. Res: (315) 773-4265. S: Jamie. Dy: Bde ALO, HHC, 3-25 AHB 10 AB. Rtg: AA. Time: 350 Hrs.

**ANGEVINE, John E.**, (CPT) (M84) 22 Fowler Lane, Fort Rucker, AL 36362. Dy: (205) 255-4704. Res: (205) 598-1371. S: Michele. Dy: Research and Development Staff Off, USAA/VNC, Directorate of Cbt Dev., Rtg: AA. Qual: AH-1S. Time: 600 Hrs. Grad: Aug 84.

**ANGLIN, Ronald F.**, (1LT) (M87) (Ron) 519 Crooked Creek Court, Fayetteville, NC 28301. Dy: (919) 396-1625. Res: (919) 488-9284. S: Kaye. Dy: Co XO, HHT 1/19 Cav, Ft. Bragg. Rtg: AA. Qual: UH-60A. Time: 600 Hrs. Grad: Aug 87.

**ANGRESANO, Paul**, (CPT) (M85) (Angus) 4335 Gateway Drive, Colorado Springs, CO 80916-2305. Dy: (719) 579-5800. Res: (719) 637-9241. S: Vicki. Dy: Asst Bde S-3 4th Avn Bde, Ft. Carson. Rtg: AA. Qual: AH-1S. Time: 700 Hrs. Grad: Dec 85.

**ANTLEY, Billy W.**, (CPT) (M89) (Bill) 13 E. Harris St. Ft. Rucker, AL 36362. Dy: (205) 255-2973. Res: (205) 598-9136. Dy: Secretary General Staff, USAA/VNC. Rtg: IP. Time: 1,350 Hrs. Cbt: 25 hrs. OLC/3. Grad: Aug 83.

**ARBANS, Kevin A.**, (1LT) (M87) (Cubby) P.O. Box 516, Barbers Point, HI 96862-0516. Dy: (808) 684-7178. Res: (808) 672-8612. Dy: B 214th Avn Regt, NAS Barbers Point. Rtg: AA. Maint Crs: UH-1 CH-47C. Time: 480 Hrs.

**ARNBERG, Andrew B.**, (CPT) (M89) (Drew) 4703 Greenlee Drive, Killeen, TX 76542. Dy: (817) 288-1222. Res: (817) 690-8036. S: Lynn. Dy: AVUM Plt Ldr, Maint Test Pilot, D Company, 227 Avn, 1st Cav Div. Rtg: AA TP. Maint Crs: OH-58. Time: 400 Hrs.

**ARNOLD, Richard E.**, (CPT) (M85) (Rick) 200 Barbara Drive, Enterprise, AL 36330. Dy: (205) 393-1350. Res: (205) 255-3344. S: Laura Lynn. Dy: AVDAC, Ft. Rucker. Rtg: AA. Qual: CH-47D. Time: 173 Hrs. Grad: Sep 85.

**ARTERBURN, David R.**, (CPT) (M85) (Arty) 6771-4 Willowbrook Drive, Fayetteville, NC 28314. Dy: (919) 398-9024. Res: (919) 867-3696. S: Katy. Dy: Co Cdr, D Co, 2/82d Avn

Bn, Ft. Bragg. Rtg: AA TP. Maint Crs: UH-60 UH-1 AMOC. Qual: UH-60A. Time: 525 Hrs. Grad: Nov 85.

**AUBREY, Eric A.**, (CPT) (M82) 4611 Governors Drive, No. 31, Huntsville, AL 35805. Dy: (205) 878-7574. Res: (205) 807-9031. Dy: Training Specialist (Munitions) Redstone Arsenal. Rtg: AA.

## BBBBBBBBBBBBBB

**BAGWELL, James D.**, (CPT) (M87) (Bags) Oakwood Forest Apts., 700 Fourth Street, Athens, GA 30601. Res: (205) 393-3696. S: Mary Alice. Dy: Graduate School, U of GA. Rtg: AA IP. Maint Crs: OH-58. Time: 1,500 Hrs. Grad: Dec 84.

**BAILEY, Thomas M.**, (CPT) (M87) 7709 Siple Ave., Fayetteville, NC 28304. Dy: (919) 396-6057. Res: (919) 864-5956. S: Virginia. Dy: Cdr, 429th Med Co (Amb), Ft. Bragg. Rtg: AA IP. Maint Crs: UH-1. Saf Crs: Mil. Time: 1,300 Hrs. Grad: Nov 82.

**BAKER, Anthony A.**, (CPT) (M89) 2000 Kenyon Street, Killeen, TX 76543. Dy: (817) 287-9614. Res: (817) 690-7996. S: Christine. Dy: Cdr, A Trp, 7-6 Cav, Conroe, TX. Rtg: AA. Qual: AH-1S. Time: 600 Hrs. Grad: Feb 83.

**BALDWIN, Andrew E.**, (CPT) (M81) 110 Beverly Drive, Enterprise, AL 36330. Dy: (205) 255-3223. Res: (205) 393-2487. S: Cheryl. Dy: XO, E/1-14 Avn, ATB, Shell AHP. Rtg: AA IP. Maint Crs: OH-58. Time: 800 Hrs. Grad: Feb 83.

**BALL, Robert D.**, (CPT) (M84) (Bob) HHC, 4th Bde, 1st Armad, Box 2351, APO NY 09250. Dy: ETS 462-707/807. Res: (08602-1664. Dy: Asst Bde S4, Rtg: AA. Maint Crs: AH-1. Qual: AH-1S. Time: 505 Hrs. Grad: Feb 82.

**BALLEW, Robert S.**, (CPT) (M82) 1425-B Warner Park, Fort Campbell, KY 42223. Dy: (502) 799-9308. Res: (615) 431-4060. S: Nancy. Dy: Cdr, C Co, 3-101st Avn Regt. Rtg: AA. Qual: AH-1S. Time: 600 Hrs. Grad: Mar 84.

**BARFIELD, Mark W.**, (CPT) (M87) Task Force Phoenix, Box 2192, APO NY 09250. Dy: 08602-832-626/627. Res: (0861-77877. S: Diane. Dy: Bn Exec Off, Katterbach AHP, Ansbach, Frg. Rtg: AA. Qual: AH-1S. Time: 1,100 Hrs. Grad: Jul 81.

**BARLEAN, Michele M.**, (1LT) (M88) 1307 Sun Valley Road, Clarksville, TN 37040. Dy: (502) 798-7234. Res: (615) 552-5708. S: Kelly. Dy: Plt Ldr, C Co, 7101 Avn Regt, 101 Airborne Div (Asst). Rtg: AA. Qual: CH-47D. Time: 650 Hrs. Grad: Aug 87.

**BARNARD, Paul L.**, (CPT/P) (M82) 710 Ashbury Way, Salinas, CA 93907. Dy: AV 929-6808. Res: (408) 422-6556. S: Cheryl. Dy: AVUM Cdr, E Co, 123 Avn Regt, Ft. Ord. Rtg: SAA TP. Maint Crs: UH-1 CH-47 UH-60. Saf Crs: Civ. Qual: UH-60A. Time: 2,000 Hrs. Grad: Oct 78.

**BARNES, Dean W.**, (1LT) (M87) 1437-B Warner Park, Fort Campbell, KY 42223. Dy: (502) 798-2234. Res: (615) 431-6660. Dy: A Co, 1-101 Avn Regt, Ft. Campbell. Rtg: AA. Qual: AH-1S. Time: 500 Hrs.

**BARNES, James R.**, (2LT) (M89) CMR 2, Box 13385, Fort Rucker, AL 36362. Res: (205) 598-1494. Dy: E/1-145 Avn. Rtg: AA.

**BARR, Glenn J.**, (1LT) (M86) D Troop, 2/1 Cavalry, 2d Armored (Fwd), APO NY 09355. Dy: ETS 342-6311. Dy: Executive Offr, Garstedt, Germany. Rtg: AA. Time: 350 Hrs. Grad: Jun 87.

# B Aviation Officer Directory

**BARRON, John E.,** (CPT) (M89) 205 Lakeshore Road, Enterprise, AL 36330. Dy: (205) 255-2748. Res: (205) 393-4459. S: Linda. Dy: Operations Officer, Directorate of Aviation Propensity. Rtg: MAA SIP. Qual: AH-1S. Time: 4,800 Hrs./Cdt 1,484. Grad: Oct 69. DFC/5, AM/53.

**BARTLE, Richard C.,** (CPT) (M83) (Rick) D Co, 502nd Avn Regt, APO NY 09028. Dy: Opns Ofc. Rtg: D Co, 502nd Avn Regt. Rtg: AA. Maint Crs: UH-1 CH-47. Qual: CH-47D. Time: 450 Hrs. Grad: Feb 84.

**BARTON, Ronald F.,** (CPT) (M85) 2917 North Settler's Blvd, Tallahassee, FL 32303. Res: (904) 562-8999. S: Loretta K. Rtg: AA. Maint Crs: UH-1. Qual: AH-1S. Time: 350 Hrs. Grad: Jun 84.

**BATES, Kevin S.,** (1LT) (M87) A Company, 4/159th Avn, Box 616, APO New York 09359. S: Karen. Dy: A Co, 4/159th Avn, Echterdingen, Stuttgart, W. Germany. Rtg: AA. Time: 500 Hrs. Grad: Apr 87.

**BAZEMORE, Barry E.,** (CPT) (M82) (Baze) 600 E. Silver Oak Drive, Enterprise, AL 36330. Dy: (205) 255-6175. Res: (205) 347-7592. S: Carol. Dy: Chief, Protocol Div, Ft. Rucker. Rtg: AA. Qual: AH-1S. Time: 800 Hrs. Grad: Sep 82.

**BEAL, Steven F.,** (CPT) (M84) (Steve) 585 Hawthorne Street, No. 201, Monterey, CA 93940. Dy: (408) 647-5501. Res: (408) 649-3266. S: Kathy. Dy: Student, Defense Language Institute, Presidio of Monterey. Rtg: SAA. Qual: AH-1S. Time: 1,200 Hrs. Grad: Jul 81.

**BEARD, Ronald K.,** (CPT) (M85) (Kent) C Company, 1-2 Aviation Battalion, APO San Francisco 96324-0250. Dy: Cdr. C Co, 1st Bn, 2d Avn Regt. Rtg: AA. Qual: AH-1S. Time: 675 Hrs. Grad: Nov 84.

**BEAUDOUIN, Christopher, (1LT) (M87) D Troop, 1-1 Cav, Box 254, APO New York 09326. Dy: (516) 732-9405. S: Laurie. Dy: Cobra Plt Ldr, Katterbach, Germany. Rtg: AA. Qual: AH-1S.**

**BECHTEL, Randall J.,** (2LT) (M88) 505 Briarwood, No. 44, Enterprise, AL 36330. Dy: (205) 255-3311. Dy: Ft Sldt, E Co, 1/145. Rtg: AA.

**BECKMANN, James P.,** (CPT) (M88) (Jim) B Co, 7/159th Avn Regt, Box 144, APO NY 09061. Dy: AV 421-6232. Res: 49 7154 26236. S: Lisa. Dy: Production Control Ofc (AVIM), Nellis, FRG. Rtg: AA TP. Maint Crs: UH-60. Qual: UH-60A. Time: 400 Hrs.

**BEEDWELL, Richard L.,** (CPT) (M89) (Rick) HHD, 70th Trans Bn (AVIM), Box 112, APO New York 09028. S: Yong. Dy: Bn S-4 Staff Off. Rtg: AA TP. Maint Crs: AH-1. Qual: AH-1S. Time: 1,200 Hrs. Grad: Jan 83.

**BECHER, Edward W.,** (1LT) (M87) A Company, 2/501 Aviation Regiment, APO San Francisco 96271. Dy: 753-6910. Res: (512) 242-2659. Dy: Plt Ldr, Ch-47 Flight Plt, Camp Humphreys, Korea. Rtg: AA. Qual: CH-47D. Time: 400 Hrs. Grad: Apr 88.

**BECHER, William V.,** (CPT/PT) (M85) (Bill) O Troop, 4/2 ACR, Box 211, APO New York 09092. Dy: Trp Cdr, Feucht Airfield. Rtg: AA. Maint Crs: AH-1 OH-58 UH-1. Qual: AH-1S. Time: 1,200 Hrs. Grad: Oct 81.

**BENKERT, John G.,** (CPT) (M86) (J.B.) HSC, 3/24 Aviation Regt., Hunters AFB, Savannah, GA 31419. Res: (912) 925-4188. S: Celeste. Dy: Bn S-2, Hunter AAF. Rtg: AA. Time: 833 Hrs. Grad: Aug 85.

**BENTER, George W.,** (1LT) (M89) 5682-1 Carter Street, Fort Hood, TX 76544. Dy: (817) 287-2170. Res: (817) 539-5617. S: Kaoru. Dy: Pilot, B Co, 2/158th Avn Regt. Rtg: AA. Qual: CH-47D.

**BEPLAY, Darryl W.,** (CPT) (M87) 69 North Harris Drive, Fort Rucker, AL 36362. Dy: (205) 255-4882. Res: (205) 598-5424. S: Celeste. Dy: B Co, (DCAT), 1/10th Regt, Writer/Instr. Doctrine Bn. Rtg: AA. Qual: AH-1S. Time: 650 Hrs.

**BEQUETTE, Bryan W.,** (CPT) (M88) (Bryan) P.O. Box 12, Fort Rucker, AL 36362. Dy: (205) 255-3344. Res: (205) 347-3245. Dy: Avn Ofc, Adv Course, Ft. Rucker. Rtg: AA. Time: 900 Hrs. Grad: Feb 85.

**BERGER, Christopher, (1LT) (M89) (Chris) G Co/227 Avn Regt, APO NY 09165. Dy: 322-7724/7542. Res: 06187-25506. S: Beth. Dy: 3rd Avn Regt, Hanau Airfield, FRG. Rtg: AA. Time: 570 Hrs.**

**BERRY, Lee W., III, (CPT) (M82) Rt 6, Box 7375, Gloucester, VA 23061. Dy: (804) 878-6152. Res: (804) 693-5017. S: Deborah. Dy: Chief, Ofc Trng Branch, USAALS, Ft. Eustis. Rtg: AA TP. Maint Crs: UH-1 CH-47. Time: 750 Hrs. Grad: Dec 78.**

**BETANCOURT, Jose A.,** (CPT) (M87) 2A Fourteenth Court, Fort Benning, GA 31905. Dy: (404) 545-3410. Res: (404) 687-1080. S: Mary. Dy: Medical Evac Ofc, 498th Med Co, Ft Benning. Rtg: AA. Maint Crs: UH-60. Qual: UH-60A. Time: 700 Hrs. Grad: Aug 87.

**BEVILLE, Stephen C.,** (CPT) (M82) (Steve) 24428 S. 10th Street, Fort Lewis, WA 98433. Dy: (206) 967-4334. Res: (206) 964-3314. S: Julie. Dy: D Trp, 1-9 Cav, Air Cav Trp Cdr, Ft. Lewis. Rtg: AA. Qual: AH-1S. Time: 650 Hrs. Grad: May 86. Trea, Mount Rainier Chapter.

**BILAFER, George M.,** (CPT) (M84) 102 Comanche Street, Enterprise, AL 36330. S: Ruta. Dy: A Co, 1-10th Avn Regt, Ft. Rucker. Rtg: AA IP. Qual: AH-1S AH-64A. Time: 1,250 Hrs. Grad: Oct 82.

**BIRD, Craig H.,** (CPT) (M86) 8639 Concord Street, Fort Lewis, WA 98433. Dy: (206) 967-2558. Res: (206) 964-8453. S: Vicky. Dy: HSC 1-9 Avn Regt (Air Aik), Ft. Lewis. Rtg: AA. Qual: AH-1S. Grad: Jun 86.

**BIRMINGHAM, Robert P.,** (CPT/PT) (M87) (Bob) 21 Armitage Drive, St. Peters, MO 63376. Dy: (314) 263-1450. Res: (314) 928-9132. S: Janet. Dy: PM, ASE, Rtg: AA. Maint Crs: UH-1. Time: 950 Hrs. Grad: Jul 83. Srvp, Lindbergh Chapter.

**BISHOP, Eric T.,** (1LT) (M89) C Co, 2/4 Aviation, APO New York 09185. S: Lori. Dy: Plt Ldr, Attack Platoon, Cobra Pilot. Rtg: AA. Qual: AH-1S. Time: 500 Hrs.

**BISHOP, Lewis D.,** (1LT) (M87) (Broad Sword) 2570 Goldrush Drive, Apt. 1, Colorado Springs, CO 80906. Dy: (719) 579-2753. Dy: Plt Ldr, A Co, 1-4 Avn Regt, Ft. Carson. Rtg: AA. Maint Crs: AH-1 UH-1. Qual: AH-1S. Time: 900 Hrs. Grad: Jun 88.

**BLACKBURN, David M.,** (CPT) (M84) 1st Battalion (Attack), 2nd Aviation Regiment, APO San Francisco 96524-0250. Dy: AV 732-6947.

S: Lisa. Dy: S-4, 1st Bn (Aik), 2d Avn Regt, 2d Id, Camp Laguardia, Korea. Rtg: AA TP. Maint Crs: AH-1. Qual: AH-1F. Time: 600 Hrs. Grad: Jun 87.

**BLACKBURN, Myron V.,** (CPT) (M81) 100 Raintree Lane, Dothan, AL 36303. Dy: (205) 255-4313. Res: (205) 793-3913. S: Lisa. Dy: DPCA, Cdr, D Co, 2-229th Avn Regt, Ft. Rucker. Rtg: AA TP. Maint Crs: UH-1. Qual: AH-1S UH-60A. Time: 680 Hrs.

**BLACKWELL, Jesse B., Jr.,** (CPT) (M82) (Ben) P.O. Box 42086, Savannah, GA 31409. Dy: (912) 352-5887. Res: (912) 748-7685. S: Janice. Dy: HSC 3/24 Avn Regt, Hunter AAF. Rtg: AA. Qual: UH-1, UH-60A. Time: 900 Hrs. Grad: Oct 82.

**BLAIR, Marcus D.,** (CPT) (M88) 2/3 Aviation Regiment, APO New York 09182. Dy: (316) 946-6209. S: Susan. Dy: Regional Manager, Rtg: AA IP. Qual: AH-1S. Time: 1,400 Hrs. Grad: Jun 82.

**BLAKE, Samuel E., Jr.,** (CPT) (M81) (Sam) HHC, USADAC, Fort Belvoir, VA 22060-5726. Dy: (703) 664-3515. Res: (703) 339-0661. S: Barbara. Dy: Adjutant, S-1 USADAC, Ft. Belvoir. Rtg: SAA. Time: 2,900 Hrs. Grad: Apr 79.

**BLASHACK, Catherine M.,** (CPT/P) (M85) 13296-B Blueberry Lane, Apt. 103, Fairfax, VA 22033. Dy: (703) 756-5331. Res: (703) 263-2188. S: Robert W., Jr. Dy: ADP Ofc, Falls Church. Rtg: AA. Maint Crs: UH-1. Qual: UH-1H, UH-60A. Time: 1,000 Hrs.

**BLASTOS, James C.,** (1LT) (M85) (Stos) 94-1046 Mahua Place, Waipahu, HI 96797. Dy: (808) 655-6438. Res: (808) 677-3356. Dy: Plt Opns Ofc, 1-25 Avn, Schofield Bks. Rtg: AA. Qual: AH-1 UH-1. Time: 500 Hrs. Grad: Aug 86.

**BLATZ, Michael J.,** (2LT) (M86) (Mike) 2501 Bacon Ranch Road, No. 928, Killeen, TX 76542. Dy: (817) 289-9988. Res: (817) 554-2779. S: Susan. Dy: AH-64 Plt Ldr, B Co, 1-3 Avn, 2 AD, Ft. Hood. Rtg: AA. Qual: AH-64A. Grad: Oct 88.

**BLECKLEY, Dennis R.,** (CPT) (M87) 95-154 Kahehania Ave., No. 246, Mililani, HI 96789. Dy: (808) 655-6232. Res: (808) 623-7548. S: Mary. Dy: Bn S-1, Schofield Bks. Rtg: AA. Qual: UH-60A. Time: 520 Hrs. Grad: Sep 86.

**BLOUCH, Franklin H.,** (CPT) (M83) (Frank) 6010 Willowsping Rd., Harrisburg, PA 17111-4714. Dy: (717) 787-1197. Res: (717) 652-6189. S: Barbara. Dy: Avn Bde, 28 Id, Cdr, HHC. Rtg: AA IP. Maint Crs: OH-6. Time: 750 Hrs. Grad: Jan 83.

**BLUE, Ronald A.,** (1LT) (M87) (Ron) 3204 Timber Oak Drive, Killeen, TX 76542. Dy: (817) 287-4375. Res: (817) 690-6214. S: Jennifer. Dy: Section Ldr, E Co, 4/3, 2 AD. Rtg: AA.

**BLUM, Gustavo E.,** (1LT) (M87) (Gus) C Company, 2/24 Aviation Regiment, APO San Francisco 96524-0463. Dy: 732-1467. Res: 732-1347. Dy: C3's Observation Plt Ldr, Camp Stanley, Korea. Rtg: AA. Time: 350 Hrs. Grad: Jun 87.

**BOBECK, Michael E.,** (CPT) (M89) 45 Halladay Lane, Tonawanda, NY 14150. Dy: (205) 255-3341. Res: (716) 833-5186. S: Kim. Dy: 10th Avn Bde, 10th Id (Light), Ft. Drum. Rtg: AA. Maint Crs: AH-1. Qual: AH-1S. Time: 800 Hrs. Grad: May 84.

**BODAGER, Pamela A.,** (CPT) (M89) 920 Royal Crown Lane, Colorado Springs, CO 80906.

Dy: (719) 579-4679. Res: (719) 576-4757. S. Carl. Dy: Military Intelligence Off, HHC, 410 (Mech). Rtg: AA.

**BOETTCHER, John P.**, (CPT) (M82) (Pete) 186 Temple Hill Rd, No. 704, New Windsor, NY 12550. Dy: (914) 563-3500. Dy: 2d Avn Det, Newburgh. Rtg: SAA. Saf Crs: Mil. Time: 1,300 Hrs. Grad: May 82.

**BOHMAN, William E.**, (2LT) (M88) Cnr 2, Box 13019, Fort Rucker, AL 36362. Dy: (205) 255-3311. Res: (205) 393-3370. Dy: E Co, 1/145 Avn. Rtg: AA. Grad: Aug 89.

**BOLTRALIK, William J.**, (CPT) (M79) (Bill) 111 Presswick Lane, St. Charles, MO 63033. Dy: (314) 263-1575. Res: (314) 946-9471. Dy: Proj Ofcr, C-NITE/Aerospace Engr, Ofc of the Proj Mgr, Cobra. Rtg: SAA TP. Maint Crs: UH-1. Qual: AH-1S. Time: 1,015 Hrs. Grad: Jan 81.

**BONDS, Marcus**, (CPT) (M84) 6870 Kizer Drive, Fayetteville, NC 28304. Dy: (919) 395-2036. Res: (919) 864-3791. Dy: Exec Ofcr US Army Parachute Team, Ft. Bragg. Rtg: AA. Time: 350 Hrs. Grad: Jan 84.

**BONNER, Michael J.**, (CPT) (M81) 101 Sheffield Lane, Hampton, VA 23668. Dy: (804) 878-6303. Res: (804) 766-3289. S. Tina. Dy: 1st Staff & Faculty Co, 765th Trans Bn, Ft. Eustis. Rtg: AA TP. Maint Crs: UH-1. Qual: AH-1S. Time: 1,130 Hrs. Grad: Nov 80.

**BOOK, Robert J.**, (2LT) (M89) (Jeff) CMR 2, Box 13236, Fort Rucker, AL 36362. Dy: (205) 598-4102. Res: (205) 598-4521. Dy: O-1-145th Avn. Time: 60 Hrs.

**BOOTH, Kirk**, (CPT) (M84) 3466 Estes Park Drive, Lithonia, GA 30058. Res: (404) 978-2681. S. Julie Lynn. Dy: Student, GA Tech, Atlanta. Rtg: AA. Qual: AH-1S. Time: 1,000 Hrs. Grad: Apr 81.

**BOWLER, Lynn N.**, (CPT) (M82) 190 North Harris Drive, Fort Rucker, AL 36362. Dy: (205) 255-5691. Res: (205) 598-8953. S. Margene. Dy: AVS-3, Chief ATML Section, HHC, Avn Trng Bde. Rtg: AA. Qual: AH-1S, AH-64A. IP. Time: 900 Hrs. Grad: Jul 83.

**BOWLES, David M.**, (CPT) (M86) 3 Albans Avenue, West Trenton, NJ 08618. Dy: (609) 530-4297. Res: (609) 771-1396. S. Abigail. Dy: Asst. S-3, Avn Bde, 50th AD, NJARNG. Rtg: AA. Maint Crs: UH-1 OH-58 OH-6A. Time: 850 Hrs. Grad: May 81.

**BREHM, Leslie M.**, (CPT) (M85) (Les) 245 Holland Drive, Apt. 908, Savannah, GA 31419. Res: (912) 925-9078. Dy: Service Plt Ldr, A Co, 224th MI Bn (AE), Hunter AFB. Rtg: AA TP. Maint Crs: UH-1. Time: 1,200 Hrs.

**BRESLIN, Charles B.**, (CPT) (M83) (Chuck) 17th ASG CM, Box 3158, APO SF 96504. Dy: 233-7120. Dy: FTX Plans Officer, USARJ G-3 Exercise Div, CP Zana, Japan. Rtg: AA. Time: 600 Hrs. Grad: Mar 83. Past Srvc, Northern Lights Chapter.

**BREWER, Michael L.**, (1LT) (M88) 3102 Pain-trock, Killen, TX 76544. Dy: (817) 287-9919. Res: (817) 628-8207. S. Maria H. Dy: Aeroscout Plt Ldr, OH-58C, B Trp, 1-6 Cav, 6 Cav Bde. Rtg: AA. Time: 500 Hrs. Grad: Feb 87.

**BRIDGE, Donald W.**, (CPT) (M82) (Chip) HHC 11th Avn Bde, Box 243, APO New York 09140. S. Maryellen. Dy: Asst S-4, 11th Avn Bde, 11th Avn Bde, Ft. Rucker. Rtg: AA TP. Maint Crs: UH-1 AH-1. Qual: AH-1S AH-64A. Time: 975 Hrs.

**BROADHURST, Richard S.**, (CPT) (M87) (Rick)

## B Aviation Officer Directory

1/10 SFG (A), Box 345, APO NY 09050. Dy: Bn Surgeon, Bad Toelz, W. Germany. Rtg: AA. Time: 61 Hrs. Grad: Aug 87.

**BROCKMAN, Gregory**, (CPT) (M84) 2002 Hooten, Killen, TX 76543. Dy: (817) 287-0226. Res: (817) 690-8454. S. Vickie L. Dy: 2/58th ATC, Ft. Hood. Rtg: AA. Qual: AH-1S AH-64A. Time: 1,000 Hrs. Grad: Jan 84. Past Sec, Phantom Corps Chapter.

**BROCKWAY, James T.**, (CPT) (M81) (Tom) 1308 East Dale Street, Colorado Springs, CO 80909. Dy: (719) 579-2111. Res: (719) 473-1261. S. Christina. Dy: D Trp, 2/7 Cav, Ft. Carson. Rtg: AA. Time: 756 Hrs. Grad: Oct 81.

**BROOKS, Richard W.**, (CPT) (M84) (Rich) 17 Kirby Street, Fort Rucker, AL 36362. Res: (617) 329-0478. S. Robin. Dy: I Co, 1st Avn Regt, 1st AD, Ansbach, Germany. Rtg: AA TP. Maint Crs: UH-1 OH-58 OH-60. Qual: UH-60A. Time: 700 Hrs.

**BROSKY, James M.**, (1LT) (M89) (Jim) 507 Briarwood Drive, Apt. 7C, Enterprise, AL 36330. Res: (205) 393-3171. Dy: E-1-13th Avn Regt, AOAC Student. Rtg: AA.

**BROWN, Anthony G.**, (CPT) (M85) (TS) G Co, 3 Avn, APO NY 09182. Dy: 01149 9334 8 7472. Res: 01149 9332 3851. Dy: Ft Ops Ofcr, 23d TF, 4th Bde, 310, Beihelstadt, FRG. Rtg: AA. Time: 520 Hrs. Grad: Sep 84.

**BROWN, David R.**, (CPT) (M82) 500 MI Bde, (Camp Zama) P.O. Box 110, APO San Francisco, CA 96343-0091. Dy: 233-5688. Res: 233-7907. Dy: Bde S-1, Camp Zama. Qual: AH-1S.

**BROWN, James E.**, (2LT) (M88) (JB) 2222 West Main Street, Apt. 149, Dothan, AL 36303. Dy: (205) 255-3311. Res: (205) 794-8496. Dy: E Co, 1/145 Avn Bn. Time: 100 Hrs.

**BROWN, Jeffery D.**, (CPT) (M88) 3717B McCormack Road, Wahiawa, HI 96788. Dy: (808) 655-0209. Res: (808) 624-3882. S. Wanda. Dy: Bn S-1, HSC, 1-25th Avn Regt, Schofield Bks. Rtg: AA. Qual: AH-1S. Time: 520 Hrs. Grad: Dec 85.

**BROWN, Joane K.**, (1LT) (M89) 100 Sharon Court, Ozark, AL 36360. Dy: (205) 255-4605. Res: (205) 774-0187. Dy: IP, C-1-212 Avn ATB. Rtg: AA IP. Time: 900 Hrs. Grad: Jun 87.

**BROWN, Kevin W.**, (CPT) (M84) B Co, 5/158 Avn. Regt., Box 811, APO New York 09039. Dy: 328-8664. S. Michelle. Dy: Co Cdr, Bonames, FRG. Rtg: SAA IP. Maint Crs: UH-1 CH-47. Qual: CH-47. Time: 1,400 Hrs. Grad: Dec 81.

**BROWN, Randall K.**, (2LT) (M88) 207 Glenwood, Apt. 1, Enterprise, AL 36330. Dy: (205) 255-3311. Res: (205) 393-4673. Dy: Flight Student, E Co, 1-145th Avn. Rtg: AA.

**BROWN, Wilfred F.**, (CPT/P) (M71) (Bill) 306 Wimbledown Drive, Enterprise, AL 36330. Dy: (205) 255-3489. Res: (205) 393-2041. S. Diana. Dy: USAVAV Ctr/DCT, Concepts Branch Chief, Rtg: MAJ SIP. Maint Crs: MIL. Qual: AH-1S. Time: 3,975 Hrs. Grad: Jan 82.

**BROWNLEE, Emory W.**, (1LT) (M86) (Buddy) G/227 Avn, Box 22, APO New York

09165-1538. S. Gay Denise. Dy: Task Force Viper, Fliegerhorst, Ulmsee, FRG. Rtg: AA. Maint Crs: OH-58 UH-1. Time: 500 Hrs.

**BRUNS, Robert E. Jr.**, (CPT/P) (M82) 1800 Palamino Drive, Clarksville, TN 37042. Dy: (502) 798-7185. Res: (615) 645-1273. S. Lori. Dy: Cdr, 40th PAD, Ft. Campbell. Rtg: AA. Qual: AH-1S UH-60A. Time: 1,500 Hrs. Grad: Apr 82.

**BRYANT, James A.**, (2LT) (M89) 502-B W. Watts Avenue, Enterprise, AL 36330. Res: (205) 347-6020. Dy: E Co, 1-145th Avn Regt, Ft. Rucker. Rtg: AA.

**BRYANT, Thomas**, (CPT) (M87) (Spoope) 1317 Francis Terrace, Westfield, NJ 07090. Dy: AV 449-3139. Res: (201) 233-4072. S. Lea Ann. Dy: B Co, USA MI Bn (Low Intensity), Soto Cano Air Base, Honduras. Rtg: AA. Maint Crs: FW. Qual: AH-1S. Time: 1,100 Hrs. Grad: Sep 85.

**BRYDGES, Bruce E.**, (CPT) (M84) 594 Michelson Court, Apt. D, Monterey, CA 93940. Dy: (408) 646-2491. Res: (408) 373-2356. S. Lou Ann. Dy: Naval Postgraduate School. Rtg: SAA. Qual: CH-47. Time: 1,300 Hrs. Grad: Aug 80.

**BUCHAN, Clive G.**, (CPT) (M86) (Grady) 5219 Rio Lobo Drive, San Jose, CA 95136. Dy: AV 929-3392. Res: (408) 629-3783. S. Debbie. Dy: Comptroller, Ft. Ord. Rtg: AA. Qual: UH-60A. Time: 1,500 Hrs. Grad: Jul 81.

**BULLINGER, James R.**, (CPT) (M85) (The Bull) 214 Edith Way, Daleville, AL 36322. Dy: (205) 255-2214. Res: (205) 598-1870. S. Tracy. Dy: S-3 ATB, Ft. Ops Ofcr, HHC ATB, Ft. Rucker. Rtg: AA IP. Maint Crs: UH-1. Time: 1,060 Hrs. Grad: Dec 84.

**BURBULES, George A.**, (CPT) (M89) 7301-A Alma Drive, Apt. 1416, Plano, TX 75025. Dy: (214) 480-1292. Res: (214) 517-6403. S. Kimberly. Dy: 28th Avn Grp (Ccb), Arlington, TX. Rtg: AA. Qual: OH-58. Time: 480 Hrs.

**BURGESS, Herbert L.**, (CPT) (M85) (Herb) 110 Courtland Drive, Enterprise, AL 36330. Dy: (205) 255-3553. Res: (205) 393-1768. S. Debbie. Dy: S-3 US. Precision Hcpr Team, Ft. Rucker. Rtg: AA IP. Time: 1,000 Hrs.

**BURGESS, Scott S.**, (CPT) (M87) (Hugewrench) 801 End of Trail, Harker Heights, TX 76543. Dy: (817) 287-1753. Res: (817) 698-3556. S. Catherine. Dy: G3 Air, 2d Arm Div, Ft. Hood. Rtg: AA. Qual: AH-1S. Time: 850 Hrs. Grad: Jun 84.

**BURK, James E.**, (CPT) (M82) (Jim) 5887 Fisher, Fort Hood, TX 76544. Dy: (817) 287-9944. Res: (817) 539-2529. S. Mary Lou. Dy: D Trp, Cdr 1-6 Cav Sgdn. Rtg: AA TP. Maint Crs: UH-60A. Qual: UH-60A. Time: 920 Hrs. Grad: May 82.

**BURNS, James R.**, (CPT) (M84) (Jay) 4109 Stonehart Drive, Apt. 3, St. Ann, MO 63074. Dy: (314) 263-3272. Res: (314) 739-5124. Dy: Procurement Off, AVSCOM, Rtg: AA. Qual: AH-1S. Time: 700 Hrs. Grad: Oct 83.

**BURNS, Virginia M.**, (2LT) (M88) 144 Brian Court, Daleville, AL 36322. Dy: (205) 255-3311. Res: (205) 898-1683. Dy: D Co, 1-145th Avn, Ft. Rucker. Rtg: AA.

**BUSCHOW, Jeannette A.**, (1LT) (M87) P.O. Box 1564, Round Rock, TX 78680. Dy: (512) 465-4915. Res: (512) 388-2620. S. Monte. Dy: Det 1, Co E, 149th Avn Section Ldr, Austin. Rtg: AA. Time: 600 Hrs. Grad: Sep 86.

**BYUS, David L.**, (CPT) (M83) 615 Mackay Street, Richmond Hill, GA 31324. Dy: (912) 352-5156. Spouse: Doelyn. Dy: Bn S-4, 224th MI Bn (AE) Hunter AAF. Rtg: AA TP. Maint Csr: AH-1 UH-1 FW. Qual: AH-1S. Time: 2,900. Grad: Dec 76.

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**CALHOUN, Victoria A.**, (CPT) (M85) (Vicky) 103 Arapaho Court, Enterprise, AL 36330. Dy: (205) 255-3344. Res: (205) 393-3889. Dy: E Co, 1/13th Avn. Ft. Rucker. Rtg: AA. Qual: CH-47D. Time: 735 Hrs.

**CALLAHAN, Raymond J.**, (CPT/P) (M85) (Cal) B Company, 70th Trans. Bn. (AVIM), APO New York 09028. S: Nancy. Dy: Production Control Off. Mannheim, FRG. Rtg: AA. IFE SIP TP. Maint Csr: UH-1 FW. Time: 5,500 Hrs. Grad: Mar 74. AM/2.

**CAMPBELL, Bryan E.**, (CPT) (M86) 5/6 Cav, 12th Avn Bde, APO NY 09457. S: Ann. Dy: Cdr, A Trp, 5/6 Cav, 12th Avn Bde, Wiesbaden, Germany. Rtg: SAA IP. Qual: AH-64. Time: 2,000 Hrs. Grad: Sep 80.

**CAMPBELL, Robert T.**, (1LT) (M88) 455 Mall Boulevard, Apt. 22, Savannah, GA 31406. Dy: (912) 352-6223. Res: (912) 354-5152. Dy: Aerial Fire Support Off. OH-58D, D Co, 3/24th Avn Regt. Rtg: AA. Time: 250 Hrs.

**CANTEY, Duane E.**, (1LT) (M87) 1314-5 Werner Park, Fort Campbell, KY 42223. Dy: (502) 798-6949. Res: (615) 431-4907. S: Diana. Dy: Aviator/Pit Ldr, A Co, 7th Bn, 101st, Ft. Campbell. Rtg: AA. Qual: CH-47D. Time: 520 Hrs. Grad: Sep 87.

**CAPOBIANCO, Joseph A.**, (2LT) (M88) 236 Canobridge Drive, Enterprise, AL 36330. Res: (205) 393-4884. Dy: D Co, 1-145th Avn. Rtg: AA. Time: 60 Hrs.

**CARLISLE, Marshall C.**, (CPT) (M81) 330 Providence Rd, Athens, GA 30606. Dy: (404) 549-1444. Res: (404) 543-7839. S: Cheryl. Dy: Cdr, Athens Recruiting Co. Rtg: AA. Qual: AH-1S. Grad: Mar 82.

**CARLSEN, Calvin T.**, (CPT) (M87) 206 Edith Way, Daleville, AL 36322. Dy: (205) 255-4605. Dy: Oper Off, DPT Ft. Rucker. Rtg: AA. IP. Maint Csr: UH-1. Time: 1,700 Hrs. Grad: Oct 84.

**CARLTON, Duane C.**, (CPT/P) (M82) 1904 Sundown, Killeen, TX 78543. Dy: (817) 287-8041. Res: (817) 690-0699. S: Cynthia. Dy: Cdr, HHC, 2/158 Avn Regt, 6th Cav Bde, (Air Combat), Ft. Hood. Rtg: AA. Maint Csr: CH-47. Time: 775 Hrs. Grad: May 82.

**CARPENTER, Forrest L.**, (1LT) (M87) HST/5-6 Cavalry, 12th Aviation Brigade, APO New York 09457. S: Nickle. Dy: LNO, HST/5-6 Cav. Rtg: AA. Time: 375 Hrs. Grad: Sep 88.

**CARROLL, Gerald A.**, (CPT) (M85) 413 Springdale Avenue, Enterprise, AL 36330-3566. Dy: (205) 255-5310. Res: (205) 393-4722. Dy: Directorate, Combat Dev, Ft. Rucker. Rtg: AA TP. Maint Csr: UH-60. Qual: UH-60A. Time: 1,300 Hrs. Grad: Oct 80.

**CARROLL, Richard Jr.**, (2LT) (M82) (Dick) 1432 Werner Park, No. B, Fort Campbell, KY 42223. Dy: (502) 798-4448. Res: (615) 431-5602. S: Debra C. Dy: HSC Executive Officer, HSC 160th SOAG, Ft. Campbell. Rtg: AA IP. Qual: AH-1S. Time: 1,500 Hrs. Grad: Jun 81.

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## Aviation Officer Directory

**CARROLL, Robert J.**, (1LT) (M87) (Curious George) 210-K Heather Ridge Drive, Fayetteville, NC 28311. Dy: (919) 436-3239. Res: (919) 630-0827. Dy: Pit Ldr, B Co, 2d Bn, 82d Avn. 82d Avn Div. Rtg: AA. Qual: UH-60A. Time: 500 Hrs. Grad: Nov 87.

**CARTER, Peter M.**, (2LT) (M89) (Pete) 53 Forest Park Apts., Enterprise, AL 36322. Res: (205) 347-0688. Dy: E/1-145 Avn. Rtg: AA. Time: 75 Hrs.

**CASCONI, James A.**, (CPT) (M89) (Tony) A Company, 7-159th Aviation Regiment, APO New York 09140. Dy: ETS 467-4895. S: Leslie. Dy: Maintenance Test Pilot, Stork Bn, Illesheim, Germany. Rtg: AA.

**CASEY, William S.**, (2LT) (M88) (Sean) 110 Lakeside Drive, Enterprise, AL 36330. Dy: (205) 255-3311. Res: (205) 393-6283. Dy: E Co, 1/145, Ft. Rucker. Rtg: AA.

**CASH, Danny N.**, (CPT) (M82) 6835 Todd Street, Fort Hood, TX 76544. Dy: (817) 287-5369. Res: (817) 539-3448. S: Jackie. Dy: G-3 Air, III Corps. Rtg: AA. Qual: AH-1S UH-60A. Time: 1,030 Hrs. Grad: Sep 82.

**CASON, Charles S.**, (CPT) (M85) 4th Sgdn 11 ACR, Box 309, APO NY 09146. S: Cheryl. Dy: SEMA Pit Ldr, Fulda, W. Germany. Rtg: AA. Qual: UH-60A. Time: 800 Hrs. Grad: Dec 85.

**CASPER, Michael A.**, (1LT) (M86) (Mike) 2701 Sidewinder Drive, Killeen, TX 76542. Dy: (817) 287-9915. Res: (817) 634-4596. Dy: B Trp, 3/6 Cav, 6th Cav Bde, Ft. Hood. Rtg: AA. Time: 1,200 Hrs. Grad: Dec 83.

**CASSELLA, Kent P.**, (2LT) (M88) RD 1, Box 80-1, Georgetown, PA 15043. Dy: AV 328-7268. Res: (412) 947-2112. Dy: Pit Ldr/Aviator, V Corps, Germany, D Co, 5-158 Avn Regt. Rtg: AA.

**CASTRILLO, Carlos J.**, (1LT) (M87) Army Avn Sup. Fac, Prang, P.O. Box 3786, San Juan, PR 00904. Dy: (809) 722-3916. Res: (809) 720-0335. S: Joan C. Dy: OC Test Pilot. Rtg: AA TP. Maint Csr: UH-1 FW. Time: 1,000 Hrs. Grad: Dec 85.

**CECIL, Donna K.**, (1LT) (M86) H Co, 4th Avn Regt, APO NY 09457-2383. Dy: Exec Off, Wiesbaden, W. Germany. Rtg: AA. Qual: UH-60A.

**CERNY, Kenneth A.**, (CPT) (M85) 27 Kirby Street, Fort Rucker, AL 36362. Dy: (205) 255-6008. Res: (205) 598-5397. S: Ellen. Dy: IP Section Ldr, A Co, 1-14 Avn, Ft. Rucker. Rtg: AA IP. Qual: AH-1S. Time: 600 Hrs. Grad: Jan 86.

**CHAMPION-TAYLOR, Pamela J.**, (CPT) (M85) (Pam) 102 Pratt Drive, Enterprise, AL 36330. Dy: (205) 255-5696. Res: (205) 393-2144. S: Barry. Dy: Avn. Training Bde Adjutant, HHC, ATB, Ft. Rucker. Rtg: AA. Time: 500 Hrs. Grad: Aug 84.

**CHARLES, Franklin T.**, (2LT) (M88) Apt. 13, Anthony Drive, Enterprise, AL 36330. Dy: (205) 255-3311. Res: (205) 393-4057. S: Pamela Joy. Dy: Flight Student, E Co, 1-145th Avn Bn. Rtg: AA. Qual: AH-1S.

**CHARRON, Thomas W.**, (CPT) (M89) 3377 Durrett Drive, Apt. 24, Clarksville, TN 37042.

Dy: (502) 798-2054. Res: (719) 488-3722. Dy: Pit Ldr, E Co, Task Force 160. Rtg: AA. Qual: CH-47D. Time: 1,300 Hrs. Grad: Aug 84.

**CHEESBOROUGH, William N.**, (CPT) (M85) 300 Pinehurst Drive, Enterprise, AL 36330. Dy: (205) 255-4605. Res: (205) 347-2003. S: Susan. Dy: Pit Cdr/TP, C-121, ATB. Rtg: AA IP. Time: 900 Hrs. Grad: May 84.

**CHENEY, Owen W.**, (1LT) (M83) 14689 Stratford Drive, Woodbridge, VA 22193. S: Lynne. Dy: Georgetown Univ, Wash. DC. Rtg: AA. Time: 1,000 Hrs.

**CHEW, Eileen P.**, (2LT) (M89) 117 Candlebrook Drive, Enterprise, AL 36330. Res: (205) 393-4632. Dy: E/1-145 Avn. Rtg: AA.

**CHILDRESS, Wayne J.**, (CPT) (M87) T Troop, 4/11 Az, APO New York 09146. S: Terri. Dy: T Trp (AVUM) Cdr, Fulda, W. Germany. Rtg: AA TP. Maint Csr: OH-58. Qual: AH-1S. Time: 1,000 Hrs. Grad: Aug 83.

**CLARK, David L.**, (CPT) (M85) 1701 Richard West Drive, Glenview, IL 60025. Dy: (312) 657-2355. S: Patty. Dy: 185th Trans Co (AVIM) NAS Glenview. Rtg: AA TP. Maint Csr: UH-1 CH-47. Time: 1,520 Hrs. Grad: Jul 81.

**CLARK, Thomas A.**, (CPT) (M87) (Tom) 132 Whitewater Drive, Newport News, VA 23602. S: Doreen. Dy: (804) 874-8229. Res: (804) 878-3462. Dy: CDR, C-1222 Avn Regt, Ft. Eustis. Rtg: AA TP. Maint Csr: CH-47. Qual: CH-47D. Time: 501 Hrs. Grad: July 82.

**CLAVIER, Eric B.**, (1LT) (M85) H Co, 4th Avn Regt, APO NY 09457. S: Linda. Dy: Battalion S-1, Mainz, Germany. Rtg: AA. Qual: UH-60A. Time: 700 Hrs. Grad: May 86.

**CLAWSON, Michael N.**, (CPT) (M85) 812 Benwood Drive, Clarksville, TN 37042. Dy: (502) 798-4161. Res: (615) 553-0204. S: Susan. Dy: 1-101 AHF, Ft. Campbell. Rtg: AA Pilot. Qual: AH-1S UH-60A. Time: 900 Hrs.

**CLAY, Cary S.**, (CPT/P) (M86) 88 Stonewall Drive, Jacksonville, AR 72076. Dy: (501) 374-7822. Dy: 374th Med Det (HA), Little Rock. AR 72202. Flt Ops Off. Rtg: AA. Qual: AH-1S. Time: 1,000 Hrs. Grad: Mar 75.

**CLEGG, Joseph F.**, (CPT) (M87) (Joe) 10 Country Walk Drive, Savannah, GA 31419. Dy: (912) 352-6386. Res: (912) 927-7085. S: Julie. Dy: Co Cdr, C 1/24th Avn Regt, Hunter Army Airfield. Rtg: AA. Qual: AH-1S, AH-64. Time: 850 Hrs. Grad: Sep 85.

**CLEMENS, Ted E.**, (1LT) (M85) SVC TFY Box 31, APO New York 09165-1618. S: Laurel. Dy: Maint Pit Ldr, Prod Control Off, Hanau, W. Germany. Rtg: AA Maint TP. Maint Csr: UH-60. Qual: UH-60A. Time: 650 Hrs. Grad: May 86.

**CLIMER, Charles T.**, (1LT) (M87) 1810 North 38th Street, Killeen, TX 76543. Dy: (817) 287-8020. Res: (817) 690-4301. Dy: Liaison Officer, 4/6 Cav, Ft. Hood. Rtg: AA. Time: 450 Hrs.

**CLUKEY, Edward P.**, (1LT) (M87) D Troop, 3/7 Cavalry, APO New York 09028. Dy: 382-5341/4294. Dy: Pit Ldr, Mannheim, W. Germany. Rtg: AA. Time: 300 Hrs. Grad: Nov 87.

**COAXUM, Ronald W.**, (CPT) (M84) 10907 B Queen Ann Ct, Savannah, GA 31406-5563. Dy: (912) 352-5468. Res: (912) 925-9339. S: Laura. Dy: S-4, Avn Bde. Rtg: AA TP. Maint Csr: CH-47. Qual: CH-47D. Time: 550 Hrs. Grad: Jan 82.

**COCHRANE, Donald L.**, (CPT) (M88) 307 Broken Arrow, Enterprise, AL 36330. Dy: (205)

255-5226. Dy: D Co, 1-145 Av Regt, Ptl Cdr, Ft. Rucker. Rtg: AA.

**COESTER, Daniel W., (CPT) (M86) (Dan) HHT,** 4th Sdn 11th ACR, APO New York 09146. S: Angelika. Dy: AH-1S Cobra Pilot Avn Ofcr Adv Course, Ft. Rucker. Qual: AH-1S. Time: 600 Hrs. Grad: Oct 85.

**COHEN, Robert H., (1LT) (M85) HHD B/158th** Avn Regt, Box 114, APO NY 09165. S: Mary. Dy: S-4, Hanau. Rtg: AA TP. Maint Csr: UH-1. Time: 452 Hrs. Grad: Apr 86.

**COLEMAN, Stephen C., (CPT) (M87) Illesheim** Health Clinic, APO NY 09140. Dy: Ft Surgeon, 11th Avn Bde. Rtg: AA.

**COLLETTE, Perry D., (CPT) (M87) 4250 East** Busby Drive, Apt 210, Sierra Vista, AZ 85835. Dy: (802) 533-3587. Dy: MI OAC, Ft. Huachuca. Time: 975 Hrs. Grad: Oct 85.

**COLLINS, Ken W., (2LT) (M88) P.O. Box 485,** 41th ACR, APO NY 09146. Dy: 3213-524. Dy: Ptl Ldr, N Trp. Rtg: AA. Qual: AH-1S. Time: 2,200 Hrs.

**COLT, Jeffrey N., (CPT) (M83) 1506 A Werner** Park, Fort Campbell, KY 42223. Res: (615) 431-5428. S: Nancy. Dy: HSC, 160th SOAG, Ft Campbell, KY. Rtg: AA. Qual: AH-1 CH-47D AH-6 OH-6. Time: 1,200 Hrs.

**COMBS, Stephen D., (CPT) (M88) 301 East** Emerald, Enterprise, AL 36330. Dy: (205) 255-3341. Res: (205) 347-7571. Dy: SGI Team Ldr, E-13. Rtg: AA.

**CONODECA, Thomas J., (CPT) (M85) (Tom)** 117 Cunningham Place, Clarksville, TN 37042. Dy: (502) 798-3355. Res: (615) 552-2567. S: Pamela. Dy: A Co, 6-101 Avn Regt, Ft. Campbell. Rtg: AA. Time: 1,000 Hrs. Grad: Jun 84.

**CONDY, Thomas C., (CPT) (M88) (Tom) P.O.** Box 35139, Fort Wainwright, AK 99703. Dy: (907) 353-2079. Dy: Chaplain, HHT, 4/9 Cav, 6th ID. Rtg: AA.

**CONLI, Joseph J., (1LT) (M86) 56th Avn Co,** APO NY 09028. S: Jennifer. Dy: Army Of/WF Pilot, Mannheim, Germany. Rtg: AA. Time: 900 Hrs. Grad: Jul 87.

**CONNANT, Donald, Jr., (CPT) (M85) 16900 E.** Brookside Drive, Sonora, CA 95370. Dy: (209) 982-4621. Res: (209) 586-1284. Rtg: AA. Time: 840 Hrs.

**CONNOLLY, Michael C., (CPT) (M83) (Mike)** HHC, 8th ID, Box 131, APO NY 09111. S: Vickie. Dy: 490-7235/6441. Res: 0671-73-558. Dy: A C of S, G3 (A1), 8th Inf Div. Rtg: AA. Time: 1,050 Hrs. Grad: May 81.

**CONNOLLY, Paul F., (CPT) (M82) 109 Cahaba** Drive, Enterprise, AL 36330. Dy: (205) 255-8724. Res: (205) 393-3457. S: Patricia. Dy: Cdr, C Co, 1-13th Avn Regt, Ft. Rucker. Rtg: AA. Time: 625 Hrs. Grad: Jan 82. Past Trea, Redcatcher Chapter.

**CONROW, Kevin S., (CPT) (M84) HHC 3/4 Avn** Regt, Box 69, APO NY 09185. S: Laura. Dy: Asst S-3, Mainz. FRG. Rtg: AA. Maint Csr: OH-58. Time: 1,000 Hrs.

**CONTARINO, Joseph III., (CPT/P) (M85) 8014** St Charles Avenue, New Orleans, LA 70118. Res: (504) 866-4716. S: Carol. Dy: USA Student Detach, Tulane Univ. Rtg: AA. Qual: AH-1S. Time: 950 Hrs. Grad: Apr 84.

**COOK, Randy J., (CPT) (M87) A Co, B/158** USMCA WSB, Box 1452, APO NY 09457. S: Teresa. Dy: Prod Control Ofcr, Rtg: AA TP. Maint Csr: UH-1. Qual: UH-60A. Time: 700 Hrs.

## C Aviation Officer Directory

**COOPER, Charles W., (CPT) (M86) (Chuck) 21** Ames Lane, Fort Rucker, AL 36362. Dy: (205) 255-3344. Res: (205) 598-3700. S: Emily. Dy: Student, AVNOAC. Rtg: AA. Qual: UH-60A. Time: 889 Hrs. Grad: Jun 85.

**CORBIN, Michael F., (CPT) (M85) (Mike) 100** Rogers Court, Ozark, AL 36360. Dy: (205) 255-6007. S: Diane. Dy: Cdr, B Co, 1-145th Avn.

**CORNELL, Jerry L., (CPT) (M84) 614 Morgan** Lane, Enterprise, AL 36330. Dy: (205) 255-8151. Res: (205) 393-4079. S: Mary R. Dy: USA ADTA, Ft. Rucker. Rtg: AA TP. Qual: AH-1S AH-64A. Time: 1,500 Hrs.

**CORNELL, Jeryl S., (CPT) (M84) (Jill) HHC,** 4/58 Avn, APO San Francisco 96301. S: Dan. Dy: AV 724-3277. Dy: Cdr, HHC, 4/58 Avn, Seoul, Korea. Rtg: AA. Time: 500 Hrs. Grad: Feb 84. Past VP, Monmouth Chapter.

**CORNETT, Timothy R., (CPT) (M88) 100** Falcon Drive, Enterprise, AL 36330. Dy: (205) 255-8418. S: Michele. Dy: Cdr, D Co, 1-212th Avn. Rtg: AA. Qual: AH-1S. Time: 630 Hrs.

**COURTS, Michael P., (CPT) (M84) (Mike) 805** Cedar Oaks, Harker Heights, TX 78543. Dy: (817) 287-2895. Res: (817) 698-2044. S: Robbie. Dy: Cdr A/3-6 Cav, Ft. Hood. Rtg: AA. Qual: AH-1S AH-64. Time: 700 Hrs. Grad: May 84. VP, Phantom Corps Chapter.

**CRADDOCK, Brian M., (CPT) (M82) 506L** Waters Edge, Newport News, VA 23606. Dy: (804) 878-3065. Res: (804) 596-5614. Dy: Cdr, 3rd S & F Co, Ft. Eustis. Rtg: AA. Maint Csr: AMOC UH-1. Time: 640 Hrs. Grad: Sep 82.

**CRAFT, Mark D., (CPT) (M88) HHT, 4/11th** ACR, APO New York 09146. Dy: Fulda Army Airfield Cdr. Rtg: AA.

**CRAWFORD, Bobby G., (1LT) (M88) (Crayfish)** 88 Red Cloud Road, Fort Rucker, AL 36362. Dy: (205) 255-3311. Res: (205) 598-2555. S: Elizabeth Ann. Dy: E Co, 1-145th Avn. Rtg: AA.

**CREA, Thomas M., (CPT) (M88) 105 Deep-**wood Court, Clarksville, TN 37042. Dy: (502) 798-2933. Res: (615) 645-3372. Dy: 2-17 Cav. Rtg: AA. Qual: UH-60A. Time: 1,150 Hrs. Grad: Jun 84.

**CREAMER, T.J., (CPT) (M86) 6778 Weeping** Water Run, Fayetteville, NC 28314. Dy: (919) 396-3717. Res: (919) 868-4785. S: Peggy. Dy: 82d Avn Bde, S-1, Ft. Bragg. Rtg: AA. Qual: AH-1S. Time: 1,000 Hrs. Grad: Dec 85.

**CRIPPS, David B., (CPT) (M84) 6839 Payne** Ave, Edwards, CA 93523-1617. S: Ann. Dy: Edwards AF, Experimental Test Pilot. Rtg: AA TP. Maint Csr: AH-1. Qual: AH-1S UH-60A AH-64A. Time: 2,500 Hrs.

**CRONK, David H., (CPT) (M89) (David) 513-A** Fomey Road, Fort Belvoir, VA 22060. Dy: (703) 664-4073. Res: (703) 781-8731. S: Helen. Dy: Opns Ofcr, CAC (H), Davidson Avn Cmd. Rtg: AA. Maint Csr: UH-1 OH-58 FW. Qual: UH-1 OH-58. Time: 1,300 Hrs.

**CROSBY, Julie A., (2LT) (M89) 1113 Wales** Drive, Killeen, TX 76542. Dy: (817) 526-2125. Dy: E/227th Avn, 1st Cav Div, Ft. Hood. Rtg: AA. Maint Csr: UH-1. Time: 200 Hrs. Grad: Jan 89.

**CROSBY, William T., (CPT/P) (M87) (Tim) 116** Oliver Drive, Enterprise, AL 36330. Dy: (205)

255-8167. Res: (205) 393-4506. S: Janice. Dy: Chief, Cargo, FW, ALSE Branch, USA Avn Dev Test Activity. Rtg: AA IP. Maint Csr: CH-47. Qual: CH-47D UH-60. Time: 1,400 Hrs. Grad: May 82.

**CROUCH, Thomas W., (CPT) (M88) (T.C.)** HHC, Combat Aviation Bde, APO New York 09165. S: Marjorie. Dy: ETS 322-7745. Res: 06183 4214. Dy: Cdr, Hqs & Hqs Co, Combat Avn Bde, 3AD. Rtg: AA. Time: 800 Hrs. Grad: Aug 85.

**CROZIER, William E., (1LT) (M88) (Bill) G Co,** Box 2524, APO NY 09520. S: Tammy. Dy: Ptl Ldr, Katterbach FRG, 1st Ad. Rtg: AA. Qual: UH-60. Time: 350 Hrs. Grad: Jul 87.

**CULLIVAN, John L., (2LT) (M89) D Co, 5-158th** Avn. Regt., Box 808, APO New York 09039. Dy: 328-7268/8632. Dy: Platoon Leader, Aeroscout, Frankfurt, W. Germany. Rtg: AA. Time: 300 Hrs. Grad: Jan 88.

**CULP, Martin J. II., (CPT) (M84) (Marty) 1317** 4th Avenue, Duncansville, PA 16835. S: Dale. Dy: HHC 12th Avn Bde, APO NY. Rtg: AA. Qual: AH-1S. Time: 1,100 Hrs/Cdt 65 Grad: Sep 81. AM/1.

**CUMBEY, Gary W., (1LT) (M85) (G.W.) 12975** Reservation Road, Salinas, CA 93901. Dy: (408) 242-4562. Res: (408) 422-4175. Dy: Asst S-3, 3-123d Avn Regt, 7th Inf Div (L), Ft. Ord. Rtg: AA. Qual: UH-60A. Time: 980 Hrs. Grad: Aug 86.

**CUMBLE, Robert M., (1LT) (M86) (Mike) 168** N. Harris Drive, Fort Rucker, AL 36362. Res: (205) 598-3457. S: Jane. Dy: ADAC 89-2. Rtg: SAA. Saf Csr: Mil. Qual: OH58D. Time: 1,801 Hrs. Grad: Jun 80.

**CUMMINGS, Edward H., (1LT) (M87) (Ted)** Box 86, HHT, 4/11 ACR, APO New York 09146. Dy: ETS 321-3826/695. Res: 0665-93744. Dy: Exec Ofcr, HHT, 4th Sdn, 11th ACR, Sickles AAF, Fulda, FRG. Rtg: AA. Qual: AH-1S. Time: 600 Hrs. Grad: Jul 87.

**CUNNINGHAM, John R., (1LT) (M86) (Robert)** 5587-2 Large Street, Fort Hood, TX 76544-5057. Dy: (817) 287-9914. Res: (817) 393-3266. S: Tracy. Dy: P Trp, 1/6 Cav, 6 Cav Bde. Rtg: AA. Qual: AH-64A. Time: 622 Hrs. Grad: Dec 86.

**CUNNINGHAM, Jonathan J., (1LT) (M87)** 98-501 Kosuka Loop, No. A-806, Alea, HI 96701. Dy: (808) 656-1379. Res: (808) 486-5174. Dy: AH-IP Ptl Ldr, B Trp, 5/9 Cav, 25th IACA. Rtg: AA. Qual: AH-1S.

**CURRY, Peter E., (CPT) (M85) (Pete) HHT, 4th** Sdn, 2 ACR, Box 315, APO New York 09092. S: Irene. Dy: Cdr, P Trp, Fusch AAF. Rtg: AA. Qual: AH-1S. Time: 680 Hrs. Grad: Oct 84.

**CURTIS, Alex K., (CPT) (M88) USA MEDDAC** Berlin, P.O. Box 4607, APO New York 09742. S: Michaela. Dy: 030 332-4110. Dy: Flight Surgeon HHC Berlin Bde. Time: 40 Hrs. Grad: Mar 88.

## DDDDDDDDDD

**DALPINI, Douglas P., (CPT) (M82) (Doug)** 22nd Avn Det, Box 66, APO NY 09189. S: Sharon. Dy: Maint Ofcr, PIRMASENS. Rtg: AA TP. Maint Csr: AH-1. Qual: AH-1S. Time: 650 Hrs. Grad: Oct 82.

**DANAHEY, Timothy J., (CPT) (M79) (T.J.)** 4749 River Valley Way, Bowie, MD 20715. Dy: (202) 475-2900. Res: (202) 475-2900.

Dy: Movement Control Ofcr, 33d Infantry Bde. Rtg: AA.

**DARDEN, Stephen A.**, (CPT) (M84) (Steve) 40 Boyce Lane, Fort Rucker, AL 36362. Dy: (205) 255-5272. Res: (205) 593-2395. S: Kani Lynn. Dy: R & D Staff Officer, MLSD, Dir of Combat Development. Rtg: SAA. Qual: AH-1S. Time: 1500 Hrs. Grad: Jan 81.

**DARROW, Keith R.**, (CPT) (M84) 105 Biscayne Drive, Enterprise, AL 36330. Res: (205) 347-0727. Dy: Aik Hcpr Instructor Pilot, Ft. Rucker. Rtg: AA IP. Qual: AH-1S. Time: 700 Hrs. Grad: Aug 85.

**DARRYL, Paul**, (1LT) (M85) (Solo) P.O. Box 4574, Hilo, HI 96720. Dy: (808) 935-6900. Res: (808) 775-0767. Dy: Hcpr Ptl, Hilo. Rtg: AA. Time: 1,230 Hrs. Grad: Sep 85.

**DAVIS, William W.**, (CPT/P) (M79) (Wayne) Hst, 5/6 Cav, APO New York 09457. S: Lynn. Dy: HST 5/6 Cav, HST Cdr. Rtg: AA. Qual: AH-1S UH-60A. Time: 850 Hrs. Grad: Oct 80.

**DAVIS, Christopher P.**, (1LT) (M87) (Topper) A Co, 2/1 Aviation, Box 2231, APO New York 09250. Dy: 09802-832-610. Res: (201) 763-9371. Dy: Scout Ptl Ldr, Katterbach, FRG. Rtg: AA. Time: 230 Hrs.

**DAVIS, Deborah T.**, (1LT) (M85) (Debbie) 19A Village Heights, Apache Drive, Enterprise, AL 36330. Dy: (205) 255-3344. Res: (205) 347-5227. Dy: F Co, 1-13th Avn Regt, Ft. Rucker. Rtg: AA. Qual: CH-47D. Grad: Jul 86.

**DAVIS, Robert L. Jr.**, (CPT) (M87) (Bob) English Village Apt., No. 7B-5, North Wales, PA 19454. Dy: (302) 324-2363. Res: (215) 540-9580. S: Kate. Dy: 1st Airlift Platoon Ldr, CO E, 150th Avn (DEN), New Castle, DE. Rtg: AA. Qual: UH-60A. Time: 750 Hrs. Grad: Dec 83.

**DAVIS, Shannon B.**, (CPT) (M86) D Company, 1-14 Aviation, Fort Rucker, AL 36362. Dy: (205) 255-2824. Res: (205) 598-8910. S: Susan. Dy: AH-64 Ptl Ldr & IP, D Co, 1-14th Avn Bde. Rtg: AA IP. Qual: AH-1S UH-60A. Time: 1,500 Hrs. Grad: Jan 83.

**DAVIS, Stuart D.**, (CPT) (M82) (Stu) 95-398 Lenomex Street, Milliani, HI 96789. Dy: (808) 656-1207. Res: (808) 623-5708. Dy: A Co, 53d Avn Bde, Schofield Bks. Rtg: AA. Qual: UH-60A. Time: 1,500 Hrs. Grad: Sep 82. VP, Aloha Chapter.

**DAVIS, Walter L.**, (CPT/P) (M82) (Walt) 60 Endl Ave, Fort Rucker, AL 36362. Dy: (205) 255-4301. Res: (205) 588-2780. S: Bonnie. Dy: XO, 1-14 Avn, Avn Tng Bde. Rtg: AA. Qual: AH-1S. Time: 670 Hrs. Grad: Sep 82.

**DAY, John W.**, (1LT) (M87) 2401 Brockman Street, Manhattan, KS 66502. Dy: E Co, 1st Avn Regt, Ft. Riley. Rtg: AA. Qual: UH-60A. Time: 500 Hrs.

**DAY, Kevin T.**, (1LT) (M87) HHC, 12th Aviation Bde, APO New York 09457. S: Marlys. Dy: Ft Detachment Cdr, 5/158th Avn Regt, Wiesbaden, Germany. Rtg: AA FW. Time: 1,800 Hrs.

**DEAN, John G.**, (CPT) (M89) 18050 Cedarhill Drive, Killeen, TX 76543. Dy: (817) 288-3526. Res: (817) 699-3322. S: Beth. Dy: Bn S-2, HSC, 3-1 Avn, Ft. Hood. Rtg: AA. Qual: AH-1S. Time: 387 Hrs. Grad: Feb 87.

**DELLER, Sean T.**, (2LT) (M88) 200 Natchez Road, Enterprise, AL 36330. Rtg: AA.

## D Aviation Officer Directory

**DENT, Daniel M.**, (1LT) (M87) (Dan) 5164 Hagood Ave, El Paso, TX 79906. Dy: (915) 568-8916. Res: (915) 566-3648. S: Lynda. Dy: T Ptn, 4/3 ACR, Ft. Bliss. Rtg: AA TP. Maint Crs: AH-1. Qual: AH-1S. Time: 1,300 Hrs. Grad: Oct 83.

**DETRICK, Thomas E.**, (2LT) (M88) CMR 2, Box 12956, Fort Rucker, AL 36362. Dy: (205) 255-3937. Res: (205) 347-5320. Dy: OBC Student, E Co, 1-145. Rtg: AA.

**DEVENS, Chris G.**, (CPT) (M88) 10 Johnson Street, Fort Rucker, AL 36362. Dy: (205) 255-5706. S: Teresa. Dy: Personnel Proponent System Mgr, Directorate of Aviation Propensity. Rtg: AA. Qual: UH-60A. Time: 930 Hrs. Grad: Oct 83.

**DEXTER, Carroll A.**, (1LT) (M87) (Dex) 4/2 ACR, Box 103, APO NY 09092-0216. Dy: ETS 4614-836/696. S: Becky. Dy: S-3 Tng 4/2 ACR. Rtg: AA. Qual: AH-1S. Time: 650 Hrs. Grad: Jan 87.

**DIGENAR, Michael A.**, (CPT) (M84) (Mike) 621 N. West Street, Carlisle, PA 17013. Dy: (717) 245-3244. Res: (717) 249-3876. S: Helen. Dy: Hq Co Cdr, USA Garrison, Carlisle Bks. Rtg: AA. Qual: AH-1S. Time: 500 Hrs. Grad: Oct 81.

**DIGIOVANNI, Richard H.**, (CPT) (M85) (Digger) Ski Lodge Apts., Apt. 705, Opelika, AL 36802. Res: (205) 745-6889. Dy: Ft Benjamin Harrison, In, Auburn Univ. Rtg: AA IP. Time: 1,975 Hrs. Grad: Aug 82.

**DIOJHONSON, Thomas E.**, (CPT) (M87) 2/A Company, 3d ATC Bn, APO NY 09165. S: Linda. Rtg: AA Maint Crs: UH-1. Time: 450 Hrs.

**DILLON, Michael S.**, (CPT) (M82) (Mike) 804 Walker Road, Ozark, AL 36360. Dy: (205) 255-2209. Res: (205) 774-3230. S: Dee. Dy: HMD-H, 1-14 Avn Regt, Ft. Rucker. Rtg: AA SIP. Time: 1,200 Hrs.

**DIMITROV, George V.**, (CPT) (M89) 104 Lindenwood Circle, Enterprise, AL 36330. Dy: (205) 255-8200. Res: (205) 347-4923. S: Susan. Dy: Project Off, USAAVNDA, Ft. Rucker. Rtg: AA TP. Maint Crs: UH-1 OH-58 AH-64. Qual: UH-1 OH-58 CH-46A/D AH-1S UH-60. Time: 2,000 Hrs. Grad: Jul 80.

**DISNEY, Paul R., Jr.**, (CPT) (M86) 932 Tampico Court, Colorado Springs, CO 80910. Dy: (719) 593-3519. Res: (719) 591-2917. Dy: ROTC. Rtg: AA. Time: 1,250 Hrs.

**DISTLER, Donald E.**, (1LT) (M88) 67 North Harris Drive, Fort Rucker, AL 36362. Dy: (205) 255-3637. Res: (205) 598-9007. S: Sharon. Dy: Ft Student, E Co, 1-145th, Ft. Rucker. Rtg: AA.

**DIXON, Jeffrey L.**, (CPT) (M84) (Jeff) 17 Donovan Lane, Fort Rucker, AL 36362. Dy: (205) 255-6462. Res: (205) 598-1206. S: Madeline. Dy: A Co, 1-10th Avn (DOTD). Rtg: AA. Qual: AH-1S. Time: 560 Hrs. Grad: Dec 84.

**DIXON, Michael J.**, (CPT) (M83) 2003 Galaxy Drive, Killeen, TX 76543. Dy: (817) 288-3886. S: Crystal. Dy: S-4, 4/6 Cav Sqn, 6th Cn (AC). Ft. Hood. Rtg: AA. Qual: UH-60A. Time: 1,000 Hrs.

**DOBSON, David M.**, (CPT) (M80) USMCA-WSB, Box 878, APO New York 09457. Dy: 328-8601. S: Kathy. Dy: Cdr, HHC 5/158 Avn

Regt, Frankfurt, W. Germany. Rtg: SAA IP TP. Maint Crs: UH-60 AMCC. Qual: UH-60A. Time: 1,900 Hrs. Grad: Sep 81.

**DOFFMAN, Mikhail**, (1LT) (M89) (Mike) H Co, 227th Aviation Regt, Box 79, APO New York 09165. Dy: ETS 322-7451/7727. Res: 06071-34589. S: Felicia. Dy: Ptl Ldr. Rtg: AA. Qual: UH-60A. Time: 400 Hrs. Grad: Oct 87.

**DOUTHIT, Robert L.**, (1LT) (M88) (RD) 120 N. Leeds Gate Road, Savannah, GA 31406. Dy: (912) 352-6478. Res: (912) 927-8421. Dy: Atk Ptl Ldr, Hunter AAF. Rtg: AA. Qual: AH-64A. Time: 560 Hrs. Grad: Jul 87.

**DOWD, John F.**, (CPT) (M86) (J.D.) 4301 South 50th, Apt. B, Tacoma, WA 98409. Dy: (206) 967-5550. Res: (206) 473-2456. S: Donna. Dy: Co Ldr, 1st Bn, 9th Avn Regt, Ft. Lewis, WA. Rtg: AA. Qual: AH-1S. Time: 550 Hrs. Grad: Sep 85.

**DRAKE, Timothy E.**, (CPT) (M84) 3009 Westrim Drive, Killeen, TX 76542. Dy: (817) 288-3665. Res: (817) 628-7614. S: Cathy. Dy: 4th Sqn 6th Cav, Ft. Hood. Rtg: AA. Qual: AH-64A. Time: 600 Hrs. Grad: Dec 83. Past VP, Old Ironsides Chapter.

**DRUMM, Robert H., Jr.**, (CPT) (M89) (Bob) 2811-B Monrovia Drive, Fort Lewis, WA 98433. Dy: (206) 967-5435. Res: (206) 964-1914. S: Claudia. Dy: Cdr, HHT, 1st Sqn, 9th Cav, Rtg: AA IP. Maint Crs: UH-1. Qual: OH-58C UH-60A. Time: 1,500 Hrs. Grad: Oct 81.

**DUDLEY, Don J.**, (CPT) (M89) (D.J.) 242 Augusta Street, Enterprise, AL 36330. Dy: (205) 255-2414. Res: (205) 347-1519. Dy: IP, 1/212 Avn Tng Bn. Rtg: AA IP. Maint Crs: UH-1. Time: 1,700 Hrs.

**DUFF, Michael**, (CPT) (M88) (Mike) C Company, 2 Aviation Regiment, APO San Francisco 96524-0456. Dy: AV 732-1481. Res: 732-1423. Dy: Ptl Ldr, Hcpr Sub Sys Repair Ptl, C Co, 2 Avn Regt, 2nd Korea. Rtg: AA TP. Maint Crs: CH-58. Time: 550 Hrs. Grad: Dec 85.

**DUFFY, Matthew J.**, (CPT) (M89) (Duffy) HSC, 2-4 Aviation, 8th Infantry Division (M), APO New York 09185-2216. Dy: ETS 334-3768. Res: 049 6133-59089. S: Kimberly. Dy: Cdr. Rtg: AA. Maint Crs: Mil. Time: 1,000 Hrs. Grad: Feb 82.

**DUNCAN, Rodger T.**, (CPT) (M86) (Tom) 1906 Twilight, Killeen, TX 76543. Dy: (817) 287-1986. Res: (817) 690-4616. S: Betty. Dy: Sqn S-4, HST 3-6 Cav (Aik Heli) 6th Cav Bde, Ft. Hood. Rtg: AA. Qual: UH-60. Time: 600 Hrs. Grad: Apr 86.

**DUNFORD, Russell L.**, (2LT) (M88) 506 Antler Drive, Enterprise, AL 36330. Res: (205) 347-3168. Dy: D Co, 1-145th Avn, Ft. Rucker. Rtg: AA.

**DUNLAP, David S.**, (2LT) (M89) HHC, 3/4 Aviation Regt, APO New York 09165. Dy: ETS: 3343-752/864. Res: 06132-59095. S: Sharon. Dy: S-4, 4th Avn Army Airfield, Germany. Rtg: AA. Qual: OH-58. Time: 220 Hrs.

**DUPREE, Ron D.**, (CPT) (M83) 5th Aviation Detachment, APO New York 09145. Dy: 31 43-641276. Res: 31 4480-31804. S: Shana L. Dy: Cdr. Rtg: AA. Qual: AH-1S. Time: 1,275 Hrs. Grad: Feb 83. Trea, Benelux Chapter.

**DURHAM, Danny D.**, (CPT) (M87) HSC 3rd MI Bn (AE), Box 513, APO San Francisco 96271. S: Laurie. Dy: Bn Mission Operations Officer. Rtg: AA. Time: 850 Hrs.

**DURHAM, Kris E., (1LT)** (M85) 213 Marshall Drive, Clarksville, TN 37042. Dy: (615) 798-6673. Res: (615) 552-5361. S: Kelly. Dy: S-2. HHC 6-101 Avn Regt, Ft. Campbell. Rtg: AA. Qual: UH-60A. Time: 700 Hrs.

**DWYER, Stephen R., (CPT)** (M83) 200 Yvonne Drive, Enterprise, AL 36330. Dy: (205) 255-3263. Res: (205) 393-1971. S: Gall. Dy: E/1-14th. Ft. Rucker. Rtg: AA IP.

**DYKES, Mark G., (CPT)** (M81) 6705 Canyon Creek Circle, Corpus Christi, TX 78413. Dy: (215) 939-2007. S: Felicia. Dy: Chief, Acft Del Office. Rtg: SAA TP. Maint Crs: AH-1. Qual: AH-1S. Time: 1,750 Hrs. Grad: Sep 80.

**DYSON, Kenneth W., (CPT)** (M85) (Ken) HHT, 4th Sqdn, 11th ACR, APO New York 09146. Dy: Adjutant, Fulda, W. Germany. Rtg: AA. Qual: UH-60A. Sec, Thunderbolt Chapter.

## EEEEEEEEEEEEEE

**EBAGH, Stewart M., (2LT)** (M89) 320-H Willow Oaks Drive, Ozark, AL 36360. Dy: (205) 255-3311. Res: (205) 774-2099. Dy: E Co, 1-145th Avn Regt. Rtg: AA.

**EBBRECHT, David R., (2LT)** (M88) (Ebbs) 200 Natchez St., Enterprise, AL 36330. Dy: (205) 255-3311. Res: (205) 393-3925. Dy: E Co, 1/145th Avn. Ft. Rucker. Rtg: AA. Maint Crs: AH-1. Time: 130 Hrs.

**EBNER, Gregory R., (2LT)** (M88) (Greg) 201 E. Emerald Drive, Enterprise, AL 36330-1606. Res: (205) 347-0079. Dy: USAFVNC Flight School, Ft. Rucker. Rtg: AA.

**EDLUND-COOPER, Jacqueline, (CPT)** (M84) (Coop) 126 Foxhill Drive, Enterprise, AL 36330. Dy: (205) 255-3344. Res: (205) 347-1724. S: Kenneth. Dy: AVDAC 89-2, Ft. Rucker. Rtg: AA TP. Maint Crs: UH-1. Time: 600 Hrs. Grad: May 84.

**EDMONDS, Neal J., (CPT)** (M85) 1882/5 Tryon Drive, Fayetteville, NC 28303. Dy: (919) 432-4112. Res: (919) 822-1114. S: Mary. Dy: HHC 82d Avn Bde, 82d Avn Div, Ft Bragg. Rtg: AA. Qual: UH-60A. Time: 600 Hrs. Grad: Jul 86.

**EFFINGER, Robert C., (CPT)** (M85) HHD 8/158 Aviation Regt., APO New York 09165. Dy: Cdr, HHD 8/158 Avn Regt. Rtg: AA TP. Maint Crs: UH-1. Time: 550 Hrs. Grad: Jul 84.

**EIDE, Thorwald E., (CPT)** (M81) (Tony) 2806 Thrush Drive, Clarksville, TN 37040. Dy: (502) 798-9209. Res: (615) 645-3722. S: Heide. Dy: Sys Integration 1601 Spec Ops Avn. Rtg: SAA TP. Maint Crs: UH-60 UH-1. Qual: UH-60A. Time: 2,000 Hrs. Grad: Dec 74.

**EISIMINGER, Rebecca A., (CPT)** (M85) (Becky) 50814 Hadley Road, East Palestine, OH 44413. S: Tom. Dy: Chief Admin Branch, Avn Div, DPTM, Ft. Benning. Rtg: AA. Grad: Jan 86.

**EISNER, Analou R., (CPT)** (M82) 6417 Old Scotts Court, Springfield, MA 22152. Dy: Assignments Off, PERSCOM. Rtg: AA TP. Maint Crs: UH-60. Qual: UH-60. Time: 1,100 Hrs. Grad: Jun 80. Past Tre, Stuttgart Chapter.

**ESSLER, Richard K., (CPT)** (M82) 930 Elton Hall Circle, Newport News, VA 23602. Dy: (804) 878-8905. Res: (804) 874-3566. S: Mona. Dy: Chief, Program Mgmt Office, USAALS. Rtg: AA TP. Maint Crs: UH-1 AH-1. Qual: AH-1S. Time: 700 Hrs. Grad: Dec 80.

## E Aviation Officer Directory

**ELIAS, Robert S., (CPT)** (M82) 402 N. Sheridan Rd., No. 905B, Lawton, OK 73505. Dy: (405) 351-4300. Res: (405) 355-4059. Dy: DCO, Ft. Sil. Rtg: AA. Time: 1,300 Hrs. Grad: Oct 82.

**ELLER, Douglas R., (CPT)** (M82) (Doug) 405 South 19th Street, Leavenworth, KS 66048. Dy: (913) 684-4882. Res: (913) 651-7115. S: Beth Ann. Dy: Avn Force Dev. Analyst, CACDA, Ft. Leavenworth. Rtg: SAA. Qual: AH-1S. Time: 1,000 Hrs.

**ELLISON, Charles H., (CPT)** (M85) (Chuck) A Co, 2 MI Bn (AE), No. 563, APO NY 09359. S: Paige. Dy: HHS 2 MI Bn (AE) Bn S-2, Stuttgart, W. Germany. Rtg: AA. Time: 900 Hrs.

**ENDERLE, Kimberley A., (2LT)** (M88) 43 Forest Park Apartments, Enterprise, AL 36330. Dy: (205) 255-3311. Res: (205) 347-9184. Dy: E Co, 1-145 Avn. Ft. Rucker. Rtg: AA. Maint Crs: UH-60. Qual: UH-60A. Time: 180 Hrs. Grad: Jun 89.

**ENGBRETSON, Steven R., (CPT)** (M85) (Steve) HHC 4-159th Avn, Box 272, APO New York 09359. Dy: ETS 421-4135. S: Michele. Dy: Co Cdr, HHC 4/159 Avn Bn, Stuttgart, Germany. Rtg: AA. Qual: UH-60A. Time: 650 Hrs. Grad: Jun 83. Past Vp, Schwaebisch Hall Chapter.

**ENGLING, Timothy J., (2LT)** (M88) 201 East Emerald, Enterprise, AL 36330. Dy: (205) 255-3311. Res: (205) 347-0079. Dy: E Co, 1/145, Ft. Rucker. Rtg: AA. Time: 100 Hrs.

**ENGLISH, William T., (1LT)** (M89) (Todd) 1834 Madison Street, K75, Clarksville, TN 37042. Dy: (501) 798-9302. Res: (615) 645-1087. Dy: A/3-101 Avn, Ft. Campbell. Rtg: AA. Time: 200 Hrs. Grad: Dec 88.

**ERICKSON, William D., (CPT)** (M83) (Tony) 2200 Las Brisas Way, No. 327, Sierra Vista, AZ 85635. Dy: (602) 538-2832. Res: (602) 459-7882. S: Teresa. Dy: Co B, USAISCS, SEMAID, Ft. Huachuca. Rtg: AA. Qual: UH-1. Time: 1,760 Hrs. Grad: Mar 83.

**ERKER, Erich, (1LT)** (M84) 533 Pollard Road, Clarksville, TN 37042-3779. S: Michele. Dy: B Co, 8-101st Ft. Campbell. Rtg: SAA TP. Maint Crs: AH-1. Salf Crs: Mil. Qual: AH-1S UH-60. Time: 1,750 Hrs. Grad: Aug 78.

**ERKER, Michele K., (CPT)** (M83) 533 Pollard Road, Clarksville, TN 37042-3779. S: Erich. Dy: HHS, 8-101st Ft. Campbell. Rtg: AA TP. Maint Crs: AH-1. Qual: AH-1S. Time: 501 Hrs. Grad: Aug 83.

**ERLANDSON, Ernest A., (1LT)** (M88) (Ernie) 4135 Vicksburg Terrace, Colorado Springs, CO 80917. Dy: (719) 579-5800. Res: (719) 570-6918. S: Sue. Dy: Bde S-3 Air, 4th Avn Bde, Ft. Carson. Rtg: AA. Qual: AH-1S. Time: 700 Hrs.

**ESPANITO, Frank D., (CPT)** (M89) (Frank) 218 Edith Way, Daleville, AL 36322. Dy: (205) 255-3344. Res: (205) 388-8926. S: Carmen A. Dy: AVDAC Student, E Co, 1-13 Avn Regt. Rtg: AA. Qual: AH-1S.

**ESPONSCHIED, Dean W., (1LT)** (M89) AASF 1,660 Airport Road, Decatur, IL 62521. Dy: (217) 422-3687. Dy: Ft. Instr. AASF #1, Decatur, IL. Rtg: AA IP. Time: 1,000 Hrs.

**EVANS, Mark E., (CPT)** (M85) 109 Yearling

Court, Fountain, CO 80817. Dy: (719) 579-4574. Res: (719) 382-5707. S: Karen. Dy: Plt Ldr, E Co, TF 4-4 Avn, Ft. Carson. Rtg: AA. Time: 440 Hrs.

**EVANS, Michael G., (CPT)** (M85) (Mike) 7535 West Tennessee St., Apt. 196, Tallahassee, FL 32304. Dy: (904) 644-1016. Res: (904) 575-5172. S: Eddie. Dy: Asst Prof Mil. Science, FL State Univ. Rtg: AA. Qual: AH-1S. Time: 2,556 Hrs./Cbt 362 Grad: Dec 70. AM/14.

**EVANS, Samuel S., (1LT)** (M85) (Sam) B Company, 70th Trans Bn. (AVIM) APO New York 09028. Dy: ETS 382-4226. Res: 06206-79255. S: Reva. Dy: Maint Off, B Co, 70th Trans (AVIM) Mannheim, Germany. Rtg: AA TP. Maint Crs: UH-1 AMOC. Time: 600 Hrs. Grad: Sep 86.

**EVESQUE, M. Colla, (CPT)** (M89) P.O. Box 740, Fort Campbell, KY 42223. Dy: (502) 798-7336. Res: (615) 645-5700. S: Scott. Dy: Maint. Off, A Co, 7th Bn 101st Avn Regt. Rtg: AA TP. Maint Crs: UH-1 CH-47D. Qual: UH-1 CH-47. Time: 1,200 Hrs. Grad: Jul 84.

**EXLEY, Clinton R., (1LT)** (M85) Quarters 25760, Fort Lewis, WA 98433. Dy: (206) 967-2801. Res: (206) 964-2238. S: April. Dy: 9th Cav Bde, Air Attack, C Co, 1-9 Avn Regt (ATK). Rtg: AA. Maint Crs: AH-1. Qual: AH-1F. Time: 650 Hrs.

## FFFFFFFFFFFFFF

**FABER, Alfred, (CPT)** (M86) 3742 Kaiser Ne, Canton, OH 44705-2718. Dy: (216) 497-8147. Res: (216) 497-2934. S: Gall. Dy: Hq 4th Sqdn, 107th ACR, SI. Rtg: AA IP TP. Maint Crs: OH-58A. Time: 1,700 Hrs.

**FAGONE, Samuel P., Jr., (2LT)** (M88) Camelot Villa, Apt. 26, Enterprise, AL 36330. Dy: (205) 255-3311. Res: (205) 393-3935. S: Mary. Dy: E Co, 1-145 Avn. Rtg: AA.

**FAIN, John R., (CPT)** (M83) HST 5-6 Cavalry, APO New York 09457. Dy: 337-5589. Res: 0621-561895. S: Kathryn. Dy: Cdr, HST, Wiesbaden, FRG. Rtg: AA. Qual: UH-60A. Time: 800 Hrs. Grad: Oct 83.

**FALCON, Ricardo A., (CPT)** (M83) (Ricky) 913 Isaura Arnu St, Country Club, Rio Piedras, PR 00924. Dy: (809) 765-5727. S: Maribel. Dy: Cdr, D Co (Maint), 192 Spt Bn, 92d SIB, PRARNG, Hato Rey, PR. Rtg: AA IP TP. Maint Crs: UH-1. Time: 1,350 Hrs. Grad: Feb 82.

**FANT, Michael A., (CPT)** (M87) (Mike) A Co, 1st MI Bn, APO NY 09457. Dy: AV 377-5780/5153. Res: 014-061228777. S: Barbara. Dy: Cdr, A Co, 1st MI Bn, (AE), Wiesbaden Airbase, FRG. Rtg: SAA TP. Maint Crs: UH-1 FW. Time: 3,800 Hrs. Grad: Nov 76. Sec, Taunus Chapter.

**FARNHAM, Edward C., (CPT)** (M87) (Ed) 171 N. Harris Drive, Ft. Rucker, AL 36362. Dy: (205) 255-2008. Res: (205) 598-8965. S: Barbara. Dy: Action Off, DPTMSEC. Rtg: AA. Time: 650 Hrs. Grad: Feb 84.

**FECHTER, Kirk M., (CPT)** (M81) (Cpt Kirk) 611 W. College, Enterprise, AL 36330. Dy: (205) 255-2102. Res: (205) 393-3016. S: Joanna. Dy: Adjutant, 1-10 Avn. Ft. Rucker. Rtg: AA. Time: 450 Hrs. Grad: Apr 81. Past VP, Follow Me Chapter.

**FELLOWS, L. Scott, (1LT)** (M89) Quarters 7282-A, Fort Carson, CO 80913. Dy: (719) 579-2753. Res: (719) 579-0426. S: Lori J. Dy: Plt Ldr, Ft. Carson. Rtg: AA.

# Aviation Officer Directory

**FERDERBER, Scott M.**, (CPT) (M86) 208 Candy Drive, Enterprise, AL 36330. Dy: (205) 255-4407. Res: (205) 393-3233. S. Virginia. Dy: Co Cdr, HHC, Avn Trng Bde, Ft Rucker. Rtg: AA IP. Time: 1,530 Hrs. Grad: Aug 84.

**FERRELL, Mark**, (CPT) (M82) (Dmark) 608 Manning Drive, Copperas Cove, TX 76522. Dy: (817) 287-2148. Res: (817) 547-8299. S. Kari. Dy: HHT, 6 CBAC, Bde Asst S-3, Ft. Hood. Rtg: SAA. Qual: AH-1S AH-64. Time: 1,565 Hrs. Grad: 26 Grad: Jul 80.

**FESSENDEN, Alan D.**, (CPT) (M85) A Co., 3/3 Aviation, APO New York 09182. Dy: 352-7374. S. Peggy. Dy: Giebelstadt AAF, Giebelstadt, FRG. Rtg: AA. Qual: AH-1S. Time: 800 Hrs. Grad: Dec 86.

**FIERRO, Herman H.**, (CPT) (M85) 51 West Ivey Road, Huachuca City, AZ 85616. Res: (602) 456-1618. S. Karen. Dy: US Army Intell School, F Co, Fort Huachuca, AZ. Rtg: AA. Time: 1,020 Hrs. Grad: Feb 85.

**FILIP, Carl S.**, (CPT) (M87) 4553 MAJ Sprague, El Paso, TX 79924. Dy: (915) 568-8577. Res: (915) 755-1618. S. Loretta. Dy: Asst S-3, 4/3 ACR, Ft. Bliss. Rtg: AA. Qual: AH-1S. Time: 1,100 Hrs. Grad: Jun 82.

**FINE, Phillip K.**, (CPT) (M83) (Kirk) 205 Fischer Drive, Newport News, VA 23602. Dy: (804) 878-5301. Res: (804) 877-5279. S. Linda. Dy: Cdr, 1st Staff & Faculty Co, Ft. Eustis. Rtg: AA TP IP. Maint Crs: AH-1. Qual: AH-1S. Time: 750 Hrs. Grad: Mar 83.

**FIORRELLA, Charles E.**, (CPT/P) (M81) (Chuck) 256 Michigan Ave, Apt. 407-D, Watertown, NY 13601. Dy: (315) 772-6651. Res: (315) 788-4501. S. Sheryl. Dy: 10th Mtn Div, HHC 64 Avn Logis Ofc, Ft. Drum. Rtg: SAA TP. Maint Crs: UH-1. Time: 1,100 Hrs. Grad: Nov 79.

**FIPPS, William R.**, (1LT) (M88) (Randy) P.O. Box 70, Fort Drum, NY 13602. Dy: (315) 772-5897. Res: (315) 788-0364. Dy: Bn S-2, 3/25 AHB, Ft. Drum. Rtg: AA. Time: 200 Hrs.

**FISCHER, Carl E.**, (CPT) (M87) (Fish) 228 Millstone Circle, Clarksville, TN 37042. Dy: (502) 798-5987. Res: (615) 552-3913. S. Carol. Dy: Cdr, HHC, 7-101 Avn, Ft. Campbell. Rtg: AA. Maint Crs: CH-47. Qual: CH-47D. Time: 500 Hrs. Grad: Jun 85.

**FISHER, Russell E.**, (1LT) (M88) 5/6 Cav, 12th Avn Bde, APO NY 09457. Dy: 337-5752. 05121-29954. S. Carol. Dy: Wiesbaden Air Base, Wiesbaden, Germany. Rtg: AA.

**FITZPATRICK, Bobby**, (1LT) (M85) (Fitzy) HHC, 3-4 Avn Regt, Box 174, APO NY 09185-2377. Dy: ETS 334-3787/3809. Res: 06132-86716. Dy: HHC XO, Finthen Army Airfield, W. Germany. Rtg: AA. Qual: AH-1S UH-1 OH-58. Time: 500 Hrs. Grad: Aug 86.

**FLEETWOOD, Michael A.**, (1LT) (M88) (Mick) A Company, 2-501 Aviation, APO San Francisco 96271-0146. Dy: CH-47 Fit Pit Section Ldr, A-2-501 Avn, APO SF. Rtg: AA. Qual: CH-47D. Time: 220 Hrs. Grad: Sep 88.

**FLEMING, Patricia A.**, (CPT) (M78) 408 Antler Drive, Enterprise, AL 36330. Res: (205) 393-2452. Dy: 33d Avn Gp, Ft. Rucker. Rtg: AA. Maint Crs: UH-1.

**FLETCHER, Robert H.**, (1LT) (M87) (Bob) 64815 North Union, Ozark, AL 36360. Dy: (205) 255-6282. Res: (205) 774-2089. Dy: Aeromedical Evac Pilot, USAAMC (Flat Iron) AAD. Rtg: AA. Saf Crs: Mil. Time: 700 Hrs.

**FONTANEZ, Victor, Jr.**, (CPT) (M88) (Vic) 105 Vintage Lane, Enterprise, AL 36330. Dy: (205) 255-5820. Res: (205) 347-4105. S. Becky. Dy: Cdr, B Co, 1/233, Ft. Rucker. Rtg: AA AF IP. Maint Crs: UH-1. Time: 1,400 Hrs. Grad: Jul 82.

**FONTENT, Stephen M.**, (CPT) (M89) (Steve) 107 Stoneridge Road, Enterprise, AL 36330. Dy: (205) 255-3973. Res: (205) 347-9817. S. Paula. Dy: DCD, Materiel Log & Systems Div, USAAMC. Rtg: AA. Qual: UH-60A. Time: 1,250 Hrs. Cdt. 800. Grad: Mar 83. AM/11.

**FORD, Richard E.**, (CPT) (M88) 401 Aundria Drive, Lafayette, LA 70503. Rtg: AA.

**FORRESTER, Patrick G.**, (CPT/P) (M87) (Pat) 2147 Forsythia Lane, Charlottesville, VA 22901. Res: (804) 978-3601. S. Diana. Dy: Aero Engr, Army Avn Engrg Flt Act, Edwards AFB, CA. Rtg: SAA IP. Qual: UH-60A. Time: 1,800 Hrs. Past Tier, Alpha Chapter.

**FORTIER, Norbert H.**, (CPT) (M87) (Bert) 5-B Village Hts Apts, Enterprise, AL 36330. Dy: (205) 255-5033. Res: (205) 347-4319. Dy: C Co, 1/14th Avn, Ft. Rucker. Rtg: AA IP. Maint Crs: OH-58D. Time: 700 Hrs.

**FOX, Dennis A.K.**, (2LT) (M88) 3310 East Rancier, Apt. 401, Killen, TX 76543. Dy: (817) 288-3464. Res: (817) 690-3280. S. Tina R. Dy: C Co, 3/227th AHB. Rtg: AA.

**FOX, Roy W.**, (CPT) (M85) 18147 Driftwood Bay, Eagle River, AK 99577. Dy: (907) 863-2102. Res: (907) 694-7960. Dy: Ptl Ldr, Ft. Richardson. Rtg: AA. Qual: AH-1S. Time: 750 Hrs.

**FRANKLIN, Frank L.**, (CPT) (M85) 505 Ginkgo, Clarksville, TN 37042-4180. Res: (615) 645-6341. S. Vicky. Dy: Ft. Campbell, KY. Rtg: AA TP. Maint Crs: CH-47. Qual: CH-47D. Time: 508 Hrs. Grad: Sep 84.

**FRANKS, Elden E.**, (CPT) (M84) (Pete) P.O. Box 3185, APO NY 09250. S. Dianne. Dy: Pilot I Co 1st Avn Regt, Ansbach, Germany. Rtg: AA TP. Maint Crs: OH-58. Qual: AH-1S. Time: 975 Hrs. Grad: Jul 84.

**FREDA, Salvatore**, (1LT) (M88) H Co., 1st Avn, Box 1647, APO New York 09250. Dy: 467-2871. Res: 09824-8259. S. Francine. Dy: Ptl Ldr, Ansbach Army Heliport, Katterbach, FRG. Rtg: AA. Qual: UH-60A. Time: 300 Hrs. Grad: May 87.

**FRECHS, Matt J.**, (1LT) (M86) 164 E. Glenwood, Clarksville, TN 37040. Dy: (502) 798-6093. Res: (615) 647-0033. Dy: HSC 3-101, Ft. Campbell. Rtg: AA. Qual: AH-1S. Time: 630 Hrs.

**FRIDMANN, Gerard**, (1LT) (M86) 90 Rowena Road, Newton, MA 02159. Dy: (508) 968-5164. Res: (617) 969-8274. Dy: Co D 126th Avn, 05s AANGB. Rtg: AA. Maint Crs: UH-1H. Time: 515 Hrs. Grad: Sep 86.

**FRIEDLAND, Gregory O.**, (2LT) (M88) P.O. Box 231, Fort Rucker, AL 36362. Rtg: AA.

**FROST, John M.**, (CPT) (M85) (Jack) 2220 Westchester, Apt. 7, Manhattan, KS 66502. Dy: (913) 239-6660. Res: (913) 539-7326. Dy: Avn Maint Ofc, E Co, 1st Avn Regt, Ft. Riley. Rtg: AA TP. Maint Crs: UH-1 UH-60A. Qual: UH-60A. Time: 620 Hrs. Grad: Jul 85.

**FURR, Philip L.**, (CPT) (M82) 2079-A Werner Park, Fort Campbell, KY 42223. Dy: (205) 798-5129. Res: (615) 431-4489. S. Betsy. Dy: 5/101 Avn Regt. Rtg: AA. Qual: UH-60A. Time: 1,180 Hrs. Grad: May 83.

**FUSCHAK, Kim G.**, (CPT) (M87) (K.G.) 1751 New Ashland City Rd, No. F49, Clarksville, TN 37040. Dy: (502) 798-2726. Res: (615) 645-3744. Dy: S-1 5-101 Avn Regt. Rtg: AA. Qual: UH-60A. Time: 450 Hrs.

## GGGGGGGGGGGG

**GAETJEN, James T.**, (CPT/P) (M84) (Tom) 5726-2 Friedman Street, Fort Hood, TX 76544-5057. Dy: (817) 288-5143. Res: (817) 539-3687. S. Gerda. Dy: Bn Exec Ofc, 3-227 AHB, Hanau Germany. Rtg: AA. Qual: AH-1S UH-60A. Time: 1,100 Hrs. Grad: Jun 79.

**GALLAGHER, Jeff J.**, (CPT) (M89) (Butch) PSC Box 2001, APO Miami 34201. Dy: AV 011-507-84-4809. Res: 011-507-84-3526. S. Suzy. Dy: Avn Maint & Logis Ofc, USAFSG, Ft. Clayton, Rtg: AA. Maint Crs: UH-60. Qual: UH-60A. Time: 1,120 Hrs. Grad: Jan 83.

**GALVIN, James J. Jr.**, (CPT) (M85) (Jimmy) 114 School Street, Braintree, MA 02184. S. Regina. Dy: Student, Naval Post Grad Schl, Monterey, Rtg: AA. Qual: AH-1S. Time: 1,000 Hrs. Grad: May 87.

**GALZERANO, Theodor M.**, (CPT) (M87) (Theo) 6207 Rustic Ridge, Hope Mills, NC 28348. Dy: (919) 396-7816. Res: (919) 425-2901. S. Irene. Dy: Cdr, Co D, 1st Atk Bn, 82d Avn Bde, Ft. Bragg. Rtg: AA TP. Maint Crs: UH-60. Qual: UH-60A. Time: 600 Hrs.

**GAMBLE, Alonzo H.**, (CPT) (M88) (Big Al) 5415-A Hughs Court, Fort Polk, LA 71459. Dy: (318) 535-7609. Res: (318) 537-8786. S. Judi. Dy: E Co, 5th Avn Regt, Ft. Polk. Rtg: AA. Qual: AH-1S. Time: 750 Hrs. Grad: Apr 84.

**GARIBALDI, Peter M.**, (CPT/P) (M88) (Pete) 36 Red Cloud, Fort Rucker, AL 36362. Dy: (205) 225-3083. Res: (205) 598-6684. S. Essie. Dy: Cdr, USAAMC, Ft. Rucker. Rtg: AA. Time: 200 Hrs. Grad: Nov 82.

**GARMAN, Gary G.**, (CPT) (M87) 310 Aachen Rd, Fort Ord, CA 93941. Dy: (408) 242-5381. Res: (408) 394-1420. S. Sally. Dy: HHC, Avn Bde, Ft. Ord, Asst. S-3. Rtg: AA. Time: 700 Hrs. Grad: Dec 86.

**GARNER, Kenneth D.**, (CPT) (M86) 555 North 7th Street, Apt. 409, Sierra Vista, AZ 85635. Dy: (602) 533-5587. Res: (602) 459-7561. S. Terri. Dy: Co F, USAAMC, Ft. Huachuca. Rtg: AA. Time: 421 Hrs. Grad: Nov 85.

**GAUDIN, Kirby W.**, (CPT) (M83) 102 Nottingham Ct, Enterprise, AL 36330. Dy: (205) 255-3344 ext. 209. Res: (205) 347-4161. S. Kim. Dy: TFF, 1-13 Avn, Ft. Rucker. Rtg: AA. Past Sec, Thunderhorse Chapter.

**GAYLE, Michael D.**, (CPT) (M81) (Mike) 520-17 Pelican Island Dr., Florissant, MO 63031-8702. Dy: (314) 263-1748. Res: (314) 839-0479. Dy: Fielding and Integration Officer PEO, Special Ops Act PM. Rtg: AA IP. Qual: UH-60A. Time: 1,500 Hrs. Grad: Nov 81.

**GEIGER, Dawn C.**, (CPT) (M85) 408 Sango Road, Clarksville, TN 37043. Dy: (502) 798-4830. Res: (615) 358-3212. S. Gregory. Dy: Avn Maint Ofc, A/B-101 Avn Regt. Rtg: AA TP. Maint Crs: UH-60. Time: 550 Hrs. Grad: Oct 84.

**GENTZLER, Kevin E.**, (1LT) (M87) 915 Ryan Drive, Clarksville, TN 37042. Dy: (502) 798-9309. Res: (615) 552-8739. S: Kathy. Dy: OH-58 Pit Ldr, C-3/101 Avn. Rtg: AA. Qual: AH-1S. Time: 500 Hrs. Grad: Nov 87.

**GERMAN, Douglas H.**, (CPT) (M86) 561000 Lane, Savannah, GA 31419. Dy: (912) 352-6677. Res: (912) 925-8089. S: Michelle. Dy: Cdr, A Co. 1-24 AHB, Hunter AAF. Rtg: AA. Qual: AH-64A. Time: 900 Hrs. Grad: Aug 87. Sec, Coastal Empire Chapter.

**GETMAN, Paul L.**, (1LT) (M87) 2601 Fieldstone Drive, Killeen, TX 76542. Dy: (817) 288-1031. Res: (817) 634-3401. S: Wendy. Dy: C Trp Scout Pit Ldr, C Trp, 1/7. Rtg: AA. Qual: AH-1S. Time: 345 Hrs.

**GIBBONS, Thomas J.**, (CPT) (M83) (Tom) 7630 Whiffy Way, Lorton, VA 22079. S: Anna M. Dy: Avn Assignment Ofc. PERSCOM. Rtg: AA. Time: 580 Hrs. Grad: Apr 83.

**GILES, Carl L.**, (1LT) (M87) HHD USMCA Bamberg, Box 23449, APO New York 09139. Dy: (951)-400-8869. Res: (951)-400-8206. Dy: Detach Cdr, Bamberg AAF. Rtg: AA. Time: 500 Hrs. Grad: Sep 87.

**GILLEN, William J.**, (CPT) (M85) (Bill) 10 East Harris Drive, Fort Rucker, AL 36362. Res: (205) 598-5773. S: Cindy. Dy: SGI Team Ldr, E Co, 1-13 Avn Regt. Rtg: AA. Qual: AH-1S. Time: 850 Hrs. Grad: May 84.

**GILLETTE, Ronald D.**, (CPT/P) (M87) (Ron) 2402 Popkins Lane, Alexandria, VA 22306. Dy: (703) 325-8941. Res: (703) 768-0367. S: Shereen. Dy: Chief, Installation Support Branch, HD Total Army Personnel Cmd. Rtg: AA. Qual: UH-60A. Time: 750 Hrs. Grad: Sep 80. Past Sec, Aloha Chapter.

**GILLIAM, Kenneth R.**, (CPT) (M83) (Ken) 6 Jupiter Hill Court, St. Peters, MO 63376. Dy: (314) 263-3197. Res: (314) 928-4112. S: Sandra G. Dy: Avn Logistics Officer, AVSCOM, SEMA/FW. Rtg: SAA TP. Maint Crs: UH-1 UH-58 U-21. Time: 1,104 Hrs. Grad: Mar 82.

**GISSANTANNA, Larry**, (CPT) (M86) (Geese) HHC 4/159 Avn Regt, Box 191, APO New York 09359. Dy: 0711-729-4211. Res: (711)-412-877. S: Claire. Dy: Adjutant, Stuttgart, Germany. Rtg: AA. Qual: AH-1S. Time: 1,100 Hrs. Grad: Sep 84. VP, Stuttgart Chapter.

**GLANG, Frank O.**, (CPT) (M85) (Otto) 1060 Ridgeway Drive, Enterprise, AL 36330. Dy: (205) 255-3344. Res: (205) 347-2179. Dy: F Co, 1-13th Avn Regt. Rtg: AA. Time: 833 Hrs. Grad: Dec 85.

**GLASS, E. Allen**, (CPT) (M87) (Al) 5998 Blue Teal Court, Fayetteville, NC 28306. Res: (919) 423-2142. S: Karen. Dy: C Dr, 1/17 Cav, Ft. Bragg. Rtg: AA. Qual: AH-1S. Time: 600 Hrs. Grad: Jul 85.

**GOFFREY, Daniel A.**, (CPT) (M86) (Dan) HHS, 165th MI Bn (TE), APO New York 09175. Dy: 06151-697308. Res: 06152-83291. Dy: Co Cdr, Darmstadt, Germany. Rtg: AA. Saf Crs: Mil. Time: 7 Hrs. Grad: Jul 86. AM/1.

**GOFF, Gordon M.**, (CPT) (M84) 1334 Eastview Drive, Fairborn, OH 45324. S: Michelle. Dy: Production Control Officer, 45th Trans Co. Rtg: AA TP. Maint Crs: UH-1 UH-60. Qual: AH-1S UH-60A. Time: 1,000 Hrs. Grad: Dec 83.

**GOLDENBERG, Richard L.**, (2LT) (M89) 118 Brian Court, Daleville, AL 36322. Res: (205) 598-8416. Dy: E Co, 1-145th Avn, Ft. Rucker. Rtg: AA.

## G Aviation Officer Directory

**GOLDEN, Walter M. Jr.**, (CPT) (M86) (Wally) 1016-7 Chestnut Street, Ft. Wainwright, AK 99703. Dy: (907) 353-7857. Res: (907) 356-1229. S: Joann. Dy: Trp Cdr, B Troop 4-9 Cav. Rtg: AA. Qual: AH-1S. Time: 1,300 Hrs. Grad: Sep 82.

**GOLDENBERG, Richard L.**, (2LT) (M89) 118 Brian Court, Daleville, AL 36322. Res: (205) 598-8416. Dy: E Co, 1-145th Avn, Ft. Rucker.

**GOLDSBERRY, Dale A.**, (CPT) (M83) 203 Wildwood Drive, Enterprise, AL 36330. Res: (205) 347-8991. S: Mary Ann. Dy: Medical Evacuation Pilot, Flatiron, Ft. Rucker. Rtg: AA IP. Maint Crs: UH-1. Grad: Oct 84.

**GOODALE, John A.**, (CPT) (M81) 1171 Lafayette Court, Boise, ID 83706-5633. S: Elisabeth. Dy: Bn Asst S-3, Gowen Field. Rtg: AA. Time: 1,600 Hrs. Grad: Oct 81.

**GORDON, Jeri L.**, (2LT) (M88) 122 Brian Court, Daleville, AL 36322. Dy: (205) 255-3311. Res: (205) 598-1155. Dy: E Co, 1-145th. Rtg: AA. Grad: Sep 89.

**GORDON, Margaret**, (CPT) (M86) 132 Briarwood Place, Yorktown, VA 23692. Dy: (804) 878-6356. Res: (804) 898-4012. Dy: USAALS, Ft. Eustis, Writer/Instr. Rtg: AA. Maint Crs: UH-60. Qual: UH-60A. Time: 400 Hrs. Grad: Jul 85.

**GORISHEK, George S.**, (CPT) (M87) (George) P.O. Box 460582, Aurora, CO 80015. Dy: (303) 363-8724. Res: (303) 680-5866. S: Nanci. Dy: Avn Staff Officer, 6th US Army. Rtg: AA. Qual: AH-1S. Grad: Jan 81.

**GORSKI, Bruce J.**, (2LT) (M89) 1001 Twin Creek Drive, Apt. 1504, Killeen, TX 76543. Dy: (817) 288-3474. Res: (817) 699-4482. S: Lisa. Dy: Scout Pit Ldr, A Co, 3/227th AHB, Ft. Hood. Rtg: AA. Time: 200 Hrs. Grad: May 87.

**GRABIN, Mark A.**, (CPT/P) (M79) 109 Stone Canyon Ct, Harker Heights, TX 76543. Dy: (817) 288-9249. S: Pat. Dy: A Co, 15th MI Bn, Ft. Hood. Rtg: SAA IP. Saf Crs: Mil. Time: 2,500 Hrs. Grad: May 77.

**GRANT, Mark E.**, (CPT) (M86) H C 63 Box 132-1, Merryville, LA 70653. Dy: (318) 535-7118. Res: (318) 825-6494. S: Yvonne. Dy: 1/5 AHB, Bn Avn Maint Ofc, Ft. Polk. Rtg: AA TP. Maint Crs: UH-1 OH-58 AMOC. Qual: AH-1S. Time: 950 Hrs. Grad: Apr 85.

**GRANT, Michael O.**, (CPT/P) (M78) (Mike) 6403 Ablene Court, Plano, TX 75023. Dy: (214) 422-4474. S: Linda. Dy: USARCO, Cdr. Rtg: MAIA IFE SIP IP. Qual: AH-1S. Time: 3,500 Hrs./Cbt 1,000 Grad: Apr 72. AM/16, DFC/1.

**GRAY, Jimmy L.**, (CPT) (M86) 2130 Rivoli Place, Florissant, MO 63031. Dy: (314) 283-3536. Res: (314) 921-6897. Dy: DAH Prog Ofc, St. Louis. Rtg: AA TP. Maint Crs: AH-1 UH-1. Qual: AH-1S. Time: 850 Hrs. Grad: Jun 80.

**GREEK, Clement E.**, (CPT/P) (M83) 10103 Chesham Drive, Orlando, FL 32817. Dy: (407) 380-4327. Res: (407) 572-8153. S: Polly. Dy: Prof Dir/Proj Mgr, Trng Devices. Rtg: AA. Qual: UH-60A. Time: 520 Hrs. Grad: May 83.

**GREEN, Jesse L.**, (CPT) (M85) 2001 Carousell, Killeen, TX 76543. Dy: (817) 288-1036. Res: (817) 554-2995. Dy: 1-7 Cav, 1 Cav Div, Ft. Hood. Rtg: AA. Qual: AH-1. Time: 500 Hrs.

**GREENWOOD, Mark R.**, (CPT) (M86) 55 Watch Hill Drive, No. C, Colorado Springs, CO 80906. Dy: (719) 579-3899. Res: (719) 576-3530. S: Felicia. Dy: Asst S-4, HHC, 4th Avn Bde. Rtg: AA. Time: 780 Hrs.

**GREGSON, Jeffrey G.**, (CPT) (M84) 2312 Phyllis Drive, Copperas Cove, TX 76522. Dy: (817) 287-1595. Res: (817) 542-4248. Dy: Cdr, C Trp, 2-1 Cav, 2AD, Ft. Hood.

**GRIDER, John R.**, (CPT) (M80) 800th MMC, Box 204, APO New York 09061. S: Patricia. Rtg: AA TP. Maint Crs: UH-1. Time: 984 Hrs. Grad: Jul 81.

**GRIFFIN, George A.**, (CPT) (M82) 8511 Rippled Creek Court, Springfield, VA 22153. Dy: (703) 664-3519. Res: (703) 690-6051. Dy: Cdr HHC, Davidson Avn Cnd, Ft. Belvoir. Rtg: SAA. Qual: UH-60A. Time: 1,300 Hrs. Grad: Jun 81.

**GRINSELL, Christian B.**, (2LT) (M88) (Chris) 17 Ferguson Lane, Fort Rucker, AL 36362. Dy: (205) 255-3311. Res: (205) 598-4157. S: Laurie. Dy: E Co, 1-145. Rtg: AA. Grad: Jul 89.

**GROSCLOSE, Warren P.**, (CPT) (M86) 75 N. Harris Drive, Fort Rucker, AL 36362. Res: (205) 598-9429. Dy: Dept Gunnery & Ft Sys (DGFS). Rtg: AA. Time: 1,040 Hrs. Grad: Apr 85.

**GROTHE, Eric A.**, (2LT) (M87) 123 South 331st Place, Apt. 206, Federal Way, WA 98003. Dy: (206) 967-2544. Res: (206) 924-0614. S: Laura. Dy: Flight Student. Rtg: AA. Time: 210 Hrs. Grad: Feb 89.

**GRUBISH, Thomas C.**, (CPT) (M85) (Tom) A Co, 1st MI Bn (AE), APO NY 09457. Dy: 337-5157. Res: 06121-582397. S: Janet. Dy: Pit Ldr, Service, Wiesbaden, Airbase, Germany. Rtg: AA. Maint Crs: FW. Time: 1,375 Hrs. Grad: Jun 85.

**GUESS, Charles E.**, (CPT) (M86) (Chuck) 95-1023 Ha'alohe St., Millant, HI 96789. Dy: (808) 655-9141. Res: (808) 625-6797. S: Elinor. Dy: Flight Ops Ofc, 509th Cav, Schofield Bks. Rtg: AA. Time: 525 Hrs. Grad: Nov 86.

**GUESS, Steven C.**, (CPT) (M83) (Steve) 5724 Erns Avenue, Iroquois Point, Ewa Beach, HI 96706. Res: (808) 499-3003. S: Marjorie. Dy: 2/501st Avn Regt, Ft. Pit Ldr, B Co, Camp Humphries, Korea. Rtg: AA. Qual: CH-47D. Time: 587 Hrs. Grad: Feb 83.

**GURLEY, Richard H.**, (2LT) (M88) (Rich) Rt 1, Box 81, Bowersville, GA 30516. Dy: (205) 255-3311. Res: (404) 376-4654. Dy: E Co, 1-145 Avn, Ft. Rucker. Rtg: AA. Time: 291 Hrs. Grad: Jun 89.

**GUTIERREZ, Eduardo**, (CPT) (M85) (Ed) 2203 Schwerter Drive, Killeen, TX 76543. Dy: (817) 287-9827. Res: (817) 690-7562. S: Alma. Dy: Cdr, B Trp, 3-6 Cav, 6th Cb (AC), Ft. Hood. Rtg: AA TP. Qual: AH-1S AH-64. Time: 700 Hrs. Grad: Aug 84.

**GWIAZDZINSKI, Paul V.**, (CPT) (M78) (Ski) HHC 3-4 Avn Regt, Box 085, APO New York 09185. Dy: ETS 334-3809, 06132-87191. S: Christina. Dy: Co Cdr, HHC 3-4th Avn Regt, Wolverines. Rtg: SAA TP. Maint Crs: CH-47. Qual: CH-47D. Time: 1,300 Hrs. Grad: Apr 78.

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**HABBINGA, Dick S.**, (CPT) (M88) 505 Briarwood Drive, Apt. H-7, Enterprise, AL 36330. Dy: (205) 255-3119. Res: (205) 347-1736.

Dy: Proj Off, Flight Syst Br, DOTD, USAAVNC.  
Rtg: AA. Time: 500 Hrs. Grad: Mar 84.

**HABERMEHL, Terence G., (1LT) (M87) (Terry)**  
5/158 Aviation Regiment, Box 714, APO New  
York 09039. Res: (205) 347-3986. S: Felicia.  
Dy: OH-58 Instr Pilot/Platoon Cdr E Co, 1-14th Avn.  
Rtg: AA IP. Maint Crs: OH-58. Time: 1,000 Hrs.

**HACKLE, Donald L., (CPT) (M88) (Lee)** 4/2  
Acr, Box 10238, APO New York 09092-0216.  
S: Katie. Dy: Cdr, 4/2 ACR, Feucht AAF,  
Feucht, FRG. Rtg: AA. Qual: AH-1S. Time: 700  
Hrs. Grad: Aug 84.

**HACKLER, Roger L., (CPT) (M85) 20** Avelino  
Road, Fort Bragg, NC 28307. Dy: (919)  
396-9533. Res: (919) 436-2817. S: Judi. Dy:  
Asst Bde S-4, 18th Avn Bde, Ft. Bragg. Rtg:  
AA. Time: 550 Hrs. Grad: Jul 86.

**HADAD, Mitchell E., (CPT) (M85) (Mitch)** 8  
Hunters Gate Court, Silver Spring, MD 20904.  
Dy: (301) 363-1111. Res: (301) 572-6569. S:  
Karen M. Dy: Production Mgr, Fort Howard.  
Rtg: AA. Time: 645 Hrs. Grad: Aug 84.

**HADDLE, Brian K., (1LT) (M87) P.O. Box 724,**  
Fort Campbell, KY 42223-0724. Dy: (502)  
798-2951. Res: (615) 431-3685. S: Shirley. Dy:  
C Co, 1-101 AHB, Ft. Campbell. Rtg: AA. Qual:  
AH-1S. Time: 450 Hrs.

**HAJOST, Dale R., (CPT) (M87) 1207** Lakes  
Drive, N.W., Atlanta, GA 30339. Dy: (404)  
438-1030. Res: (404) 435-3692. S: Melinda.  
Dy: Co B, 244th AHB, Winder, GA. Rtg: AA.  
Qual: UH-60A. Time: 1,500 Hrs. Grad: Oct 83.

**HALBERT, Burl V., (CPT) (M86) 107** Lake  
Shore Road, Enterprise, AL 36330. Dy: E Co,  
1/14th Avn Regt. Rtg: AA IP. Time: 700 Hrs.

**HALE, Brett M., (CPT) (M85) HSC MI (Bn) (JL)**  
APO Miami 34042-8000. Dy: Asst. S-3, Soto  
Cano, Honduras. Rtg: AA. Time: 800 Hrs.  
Grad: Aug 86.

**HALL, Dale A., (CPT) (M87) 63** Quail Forest  
Drive, Savannah, GA 31419. Res: (912)  
925-0837. S: Sheila. Dy: S-4, 5/501st Avn,  
Korea. Rtg: AA.

**HALL, James A., (CPT) (M87) (Jim) Rt 1, Box**  
799, Enterprise, AL 36330. Dy: (205)  
255-5987. Res: (205) 347-0535. S: Janet. Dy:  
A Co, 1-14 Avn, ATB (Cobra Hall). Rtg: AA IP.  
Maint Crs: AH-1. Qual: AH-1S. Time: 1,100  
Hrs. Grad: Jun 85.

**HAM, Johnnie A., (CPT) (M81) USNTPS 96,**  
NATC, Patuxent River NAS, MD 20670-5304.  
Dy: (301) 863-4418. Res: (301) 862-5338. Dy:  
Student, US Naval Test Pilot School, USAASD.  
Rtg: AA TP. Maint Crs: AH-1. Qual: AH-1S  
UH-60A. Time: 1,300 Hrs. Grad: Sep 81.

**HAMER, Faye S., (CPT) (M83) 1809** Antelope  
Trail, Harke Heights, TX 75643. Dy: (817)  
287-7383. Dy: Ft Pitt Ldr, B Co, 2/158 Avn  
Regt. Rtg: AA. Maint Crs: CH-47. S: Faw. S:  
Civ. Qual: CH-47D. Time: 700 Hrs. Grad: Jul  
83. Past VP, Schwaebisch Hall Chapter.

**HAMILTON, Byron K., (CPT) (M87) A Company,**  
5/158th Aviation Regiment, APO New  
York 09039. S: Bambli. Dy: Cdr, A Co, 5-158th  
Avn Regt. Rtg: AA. Time: 650 Hrs.

**HAMM, Michael W., (2LT) (M88) Box 165,**  
Fort Rucker, AL 36362. Dy: (205) 255-3311.  
Res: (205) 347-1514. S: Army. Dy: E, 1-145.  
Rtg: AA. Grad: Aug 89.

**HANLEY, Sherri K., (2LT) (M89) 67** Red Cloud  
Road, Fort Rucker, AL 36362. Dy: (205)  
255-3779. Res: (205) 598-1898. S: Bob.

## H Aviation Officer Directory

Dy: Camp Humphreys, Korea. Rtg: AA. Qual:  
CH-47D. Time: 200 Hrs. Grad: Jan 89.

**HARDY, Kirt, (CPT) (M82) 222-E** Washington  
Road, Fort Hamilton, NY 11209. Dy: (212)  
237-8736. Res: (718) 630-5881. S: Karen. Dy:  
Asst Prof of Military Science, Fordham Univ  
ROTC, Lincoln Center. Rtg: SAA. Maint Crs:  
UH-1 UH-1H. Qual: AH-1S. Time: 1,653 Hrs.  
Grad: Jul 80. Past VP, Old Ironsides Chapter.

**HARP, Patrick, (CPT) (M89) 602** Wildwood  
Drive, Enterprise, AL 36330. Dy: (205)  
255-3504. Res: (205) 347-7457. S: Patricia.  
Dy: Utility Branch Cdr, DES, Ft Rucker. Rtg:  
SAA SIP IP. Time: 2,200 Hrs. Grad: Sep 79.

**HARRELL, William D., (CPT) (M82) (David)** A  
Company 8/158th Avn, APO New York  
09457. S: Laura. Dy: Co Cdr, A Co 8/158th  
Avn, Wiesbaden, FRG. Rtg: MAIA IP. Maint Crs:  
UH-1 AH-1. Time: 2,300 Hrs. Grad: Sep  
73.

**HARRISON, John C., (CPT) (M85) (Chuck)**  
1513 Oak Timbers, Harke Heights, TX 75644.  
Dy: (817) 287-8103. Res: (817) 698-6159. S:  
Tracey. Dy: Cdr, B Trp, 4th Sqdn, 6th Cav  
Regt. Ft. Hood. Rtg: AA. Qual: AH-1S AH-64A.  
Time: 600 Hrs. Grad: Dec 85.

**HART, Larry A., (CPT) (M82) 85** Winthrop Rd,  
Columbus, OH 43214-3630. Dy: (216)  
497-8152. Res: (614) 262-8461. S: Mary  
Helen. Dy: XO, D Co, 137th Avn (AVIM). Rtg:  
AA. Maint Crs: CH-47. Time: 825 Hrs. Grad:  
May 82. Past VP, Schwaebisch Hall Chapter.

**HARTER, Robert L., (CPT) (M82) (Bob) 6857**  
Brasswood Drive, Fayetteville, NC 28314. Dy:  
(919) 432-6005. Res: (919) 864-3736. S: Barbara.  
Dy: Public Affairs Plans And Policy Officer,  
1st Special Ops Cdr, Ft. Bragg. Rtg: AA.  
Qual: UH-60A. Time: 700 Hrs. Grad: May 82.

**HARTMAN, Michael J., (CPT) (M87) (Mike)**  
1408 Middleton Dr, Cedar Hill, TX 75104. Dy:  
(817) 287-2148. Res: (214) 291-8801. S: Billie.  
Dy: Asst Bde S-3 6 Cav Bde. Rtg: SAA IP. Qual:  
AH-1S. Time: 3,250 Hrs. Grad: Oct 75.

**HARTNETT, Timothy C., (CPT) (M87) (Tim)**  
105 Oakland Drive, Enterprise, AL 36330. Dy:  
(205) 255-6855. Res: (205) 347-6584. S: Lynn.  
Dy: USAARL, Ft Rucker. Rtg: AA IP. Qual:  
UH-60A. Time: 3,315 Hrs. Grad: May 86.

**HARWIG, John M., (1LT) (M87) HST, 5th** Bal-  
talion, 6th Cavalry, APO New York 09457.  
Dy: 06121-337-5928. Res: 06121-761-564. S:  
Monica. Dy: Exec Ofc, HST 5/6 Cav. Rtg: AA.  
Time: 350 Hrs.

**HASSEL, Michael E., (CPT) (M81) (Hasselb)**  
HHT, CAS, 4/11 ACR, Box 39, APO New York  
09146. Dy: Q Trp Cdr, 4/11 ACR, Fulda FRG.  
Rtg: AA. Maint Crs: OH-58 UH-1 AH-1S AH-1F.  
Qual: AH-1S. Time: 4,500 Hrs. Grad: Aug 83.  
Past VP, Thunderhorse Chapter.

**HAUER, Claus, (CPT) (M87) 2305** Green Acres  
Drive, Clarksville, TN 37042. Dy: (502)  
798-3687. Res: (615) 431-6710. S: Donna J.  
Dy: PC Actor, A/B-101 (AVIM), Ft Campbell, KY.  
Rtg: AA TP. Maint Crs: UH-60. Qual: UH-60A.  
Time: 1,500 Hrs.

**HAUN, Jeffrey, (CPT) (M85) 3/377** Med Co,  
AA, APO SF 96218. S: Mary Ann. Rtg: AA.  
Qual: UH-60. Time: 1,100 Hrs. Grad: Sep 84.

**HAZEN, Harold P., (1LT/PT) (M87) (Harry) 137**  
Candlebrook, Enterprise, AL 36330. Dy: (205)  
255-3223. Res: (205) 347-3986. S: Felicia. Dy:  
OH-58 Instr Pilot/Platoon Cdr E Co, 1-14th Avn.  
Rtg: AA IP. Maint Crs: OH-58. Time: 1,000 Hrs.

**HEALY, Edward A., (CPT) (M82) SMC** Box  
1572, Naval Postgraduate School, Monterey,  
CA 93943-5000. S: Elizabeth. Rtg: AA TP.  
Maint Crs: UH-1H UH-60. Qual: UH-60A.  
Time: 1,900 Hrs. Grad: Aug 82.

**HEDEGAARD, Michael L., (2LT) (M89) 8** Com-  
pany, 1-82nd Abn, Fort Bragg, NC 28307. S:  
Christine. Dy: B Co, 1-82nd Abn, Ft. Bragg. Rtg:  
AA. Qual: AH-64A. Time: 205 Hrs. Grad: Feb  
89.

**HEDGES, L., (2LT) (M88) Livingston** Apt. 805,  
Daleville, AL 36322. Dy: (205) 255-3311. Res:  
(205) 598-9118. Dy: E Co, 1/145 Avn. Rtg: AA.  
Time: 1,000 Hrs.

**HEINE, Kurt M., (CPT) (M81) 6A** Meeting  
House Road, Stratford, CT 06497. Dy: (203)  
386-5517. Res: (203) 381-9074. S: Barbara.  
Dy: TWI, Sikorsky Acft, Rtg: AA TP. Maint Crs:  
UH-1 UH-60. Qual: UH-60A. Time: 1,050  
Hrs./Cdt 2 Grad: Oct 80. AM/1.

**HEINZMANN, Robert G., (CPT) (M89) (Bob)**  
105 Shulsen Drive, Ozark, AL 36360. Dy: (205)  
255-3551. Res: (205) 774-7077. S: Annie. Dy:  
Co Cdr, D Co, 1-14th Avn. Rtg: AA IP. Maint  
Crs: AH-64. Qual: AH-1S AH-64A. Time: 1,500  
Hrs.

**HEITMAN, William R., (CPT) (M83) (Randy)**  
610 W. College Street, Enterprise, AL 36330.  
Dy: (205) 255-4846. S: Marijo. Dy: B Co, 1-14  
Avn Regt, Ft. Rucker. Rtg: AA. Time: 650 Hrs.  
Grad: Aug 83.

**HEITZIG, D. Mark, (1LT) (M88) 70th** Tns Bn  
(AVIM), Box 296, APO New York 09028. S:  
Molly. Dy: S-3 Air. Rtg: AA. Time: 750 Hrs.  
Grad: Jul 87.

**HELFRICH, Harry W., (CPT) (M88) 1424-C**  
Galaxy Avenue, Scott AFB, IL 62225. Dy: (618)  
256-2925. Res: (618) 256-3620. S: Diane. Dy:  
Exec Ofc, C Co, 7/159th Avn Regt (AVIM).  
Rtg: AA TP. Maint Crs: UH-1 AMOC. Qual:  
OH-58A. Time: 1,000 Hrs. Grad: Jul 84.

**HELLER, John J., (CPT) (M86) P.O. Box 2214,**  
Carmel Valley, CA 93924. Dy: (408) 242-7205.  
Res: (408) 659-5409. S: Tracy. Dy: HHC, 3-123  
Avn Regt, Ft. Ord. Rtg: AA. Qual: UH-60A.  
Time: 700 Hrs. Grad: Oct 85.

**HELLER, Kenneth E., (CPT) (M83) (Ken)**  
5730-1 Bailey Street, Fort Worth, TX 75644. Dy:  
(817) 288-1999. Res: (817) 539-4239. S: Bet-  
sy. Dy: Asst S-3, HHC, Av Bde, 2AD. Rtg: AA  
IP. Maint Crs: UH-60. Qual: UH-60A. Time:  
1,500 Hrs./Cdt 6 Grad: Mar 81. AM/1.

**HEMMINGER, Earl E., (CPT) (M81) 7395**  
Stream Way, Springfield, VA 22152. Dy: (703)  
664-1397. Res: (703) 866-0364. S: Donna. Dy:  
CAASD, Davison AAF, Ft. Belvoir. Rtg: AA.  
Qual: AH-1S. Grad: Oct 81.

**HERRING, Howard G. Jr., (CPT) (M87) Co. B,**  
8/158th Avn, P.O. Box 334, APO New York  
09165. Dy: SSA Pitt Ldr, Fliegerhorst Kaserne,  
Hanau FRG. Rtg: AA TP. Maint Crs: UH-1. S:  
F. Rtg: AA. Time: 520 Hrs. Grad: Oct 87.

**HERRLICH, Thomas J., (2LT) (M88) (Herris)**  
56 Forest Park Apts., Diode Drive, Enterprise,  
AL 36330. Dy: (205) 255-4102. Res: (205)  
393-4967. Dy: Student, E Co, 1-145 Avn. Rtg:  
AA. Time: 120 Hrs. Grad: Feb 89.

**HESSON, James M., Jr.**, (CPT) (M79) (Jim) 910 Derbyshire Drive, Dothan, AL 36303. Dy: (205) 255-8180. Res: (205) 793-5649. S: Debbie. Dy: Chief, Utility Aft Test Branch, USAF/VNDA, Ft. Rucker. Rtg: SAA TP. Maint Crs: CH-47, Qual: CH-47C UH-60. Time: 1,800 Hrs. Grad: Nov 78.

**HESTER, James R.**, (CPT) (M84) (Bob) 203 Calver Road, Sherwood, AR 72116. Dy: (501) 988-8535. Res: (501) 835-9198. S: Lynne R. Dy: Joint Readiness Trng Ctr, Little Rock AFB. Rtg: AA. Qual: AH-1S. Time: 770 Hrs. Grad: Mar 84.

**HICKS, George A.**, (CPT) (M82) RR 2, Box 170-A, Chandler, OK 74834. S: Lynne. Dy: TWI Student, Hughes Aft, Tucson, AZ. Rtg: SAA. Qual: AH-1S. Time: 1,975 Hrs. Grad: Jun 81, Past Tra, Northern Lights Chapter.

**HILDENBRAND, Robert C.**, (CPT) (M88) (Bob) 2002 Kingwood Drive, Killeen, TX 76543. Dy: (817) 288-5147. Res: (817) 690-1916. S: Marge. Dy: Company Cdr, Hsc 3-227th ABH, Ft. Hood. Rtg: AA Pilot. Qual: AH-1S UH-60A. Time: 1,000 Hrs. Grad: Nov 83.

**HODGES, Karl B.**, (CPT) (M86) 4th General Dispensary, P.O. Box, CMR 1456, APO NY 09175. Dy: Flight Surgeon, US Air Force, 7th Rg. AA.

**HOFF, Michael J.**, (CPT) (M87) (Mike) 6614 Morning View Court, Alexandria, VA 22310. Dy: (202) 274-5036. Res: (703) 339-1220. S: Lisa. Dy: Adjutant, USAFSC-AMC, Rtg: SAA. Qual: UH-60A. Time: 1,100 Hrs. Grad: Jun 80.

**HOLGUIN, Thomas J.**, (1LT) (M88) 621 Elderberry Drive, Fayetteville, NC 28311. Dy: (919) 396-1820. Res: (919) 488-4024. Dy: Aeroscout Platoon Ldr, C Trp, 1-17 CAV, 82d Abn Div. Rtg: AA. Time: 750 Hrs. Grad: Jan 86.

**HOLLINGSWORTH, Scott W.**, (CPT) (M83) (Scott) 113 Richard St, Daleville, AL 36322. Dy: (205) 255-5805. Res: (205) 588-6545. S: Vickie M. Dy: Avn Force Design Staff Officer, Rtg: AA. Time: 603 Hrs. Grad: Apr 83.

**HOLMES, Mark L.**, (1LT) (M87) 95-887 Makaulaua St., Mililani, HI 96789. Dy: (808) 555-6203. Res: (808) 523-1087. S: Monica. Dy: S-3 Air, HHT, 5th Sqn, 9th Cav, Schofield Bks. Qual: AH-1S. Time: 425 Hrs. Grad: Aug 86.

**HOLMES, Kevin C.**, (2LT) (M88) 31 Olsen Lane, Fort Rucker, AL 36362. Dy: (205) 255-3311. Res: (205) 598-3014. S: Kim. Dy: Legal Spec. Rtg: AA. Time: 180 Hrs. Grad: Nov 88.

**HOPKINS, Gerald J.**, (CPT) (M88) (Jerry) 43131 Victorville Place, Lancaster, CA 93534. Dy: (805) 277-4786. Res: (805) 942-1514. S: Mariellen. Dy: Pilot Aeronautical Engr, Edwards AFB. Rtg: AA. Maint Crs: FW. Qual: UH-60A. Time: 1,150 Hrs./Cdt 60 Grad: Sep 81, AM-1.

**HOSACK, Joseph R.**, (CPT) (M88) B Co, 1st MI Bn, APO New York 09457. Dy: ETS 337-5645/5345. Dy: B Co, 1st MI Bn. Rtg: AA. Time: 700 Hrs.

**HOWARD, Randall K.**, (CPT) (M86) (Randy) HHC, 4-58 Avn, APO SF 96301. Res: (816) 464-2059. S: Sherri. Dy: Bn S-4, HHC 4th Bn, 58th Avn. Rtg: AA. Qual: CH-47D. Time: 500 Hrs. Grad: Apr 85.

**HOWELL, Ronnie W.**, (2LT) (M88) 53 Forest Park Apts., Enterprise, AL 36330. Dy: (205) 255-3311. Res: (205) 347-0668. Dy: E-1-145, Ft. Rucker. Rtg: AA.

## H Aviation Officer Directory

**HOYT, Terry Lee**, (CPT) (M87) 524 Forest St, Hinesville, GA 31313. Dy: (912) 352-6718. Res: (912) 388-4051. S: Nicki. Dy: Co Cdr, B Co, 1-24th Avn Regt (Atk), Hunter Army Airfield. Rtg: AA. Qual: AH-1S AH-64A. Time: 700 Hrs. Grad: May 85.

**HUCKINS, Randall P.**, (2LT) (M88) (Hud) 2112 Richland, Garland, TX 75042. Dy: (205) 255-3311. Res: (214) 495-5912. Dy: Plt Ldr, 2/1 Cav, 2 AD, Ft. Hood. Rtg: AA. Time: 200 Hrs. Grad: May 89.

**HUGHES, Paula A.**, (CPT) (M87) 4602 N. Clearview Dr, Camp Hill, PA 17011. Dy: (717) 865-8857. Res: (717) 737-9661. Dy: Hel Sys Repair Pltn Ldr, Co F, 104th Avn, Ft. Indiantown Gap. Rtg: AA. Saf Crs: Mil. Time: 350 Hrs. Grad: Jun 85.

**HUMPHREY, David**, (CPT) (M86) 212 Edith Way, Daleville, AL 36322. Dy: (205) 255-3341. Res: (205) 588-8129. S: Cassandra. Dy: F Co, 1/13 Avn Regt, Ft. Rucker. Rtg: AA. Qual: AH-1S. Time: 670 Hrs. Grad: Feb 86.

**HUMPHRIES, Travis L.**, (CPT/P) (M85) 1023 Comanche Trail, Anniston, AL 36206. Dy: (205) 848-4367. Res: (205) 820-4855. S: Laurie. Dy: Chief, Combat Systems Branch, A Co, 701 MP Bn. Rtg: SAA. Time: 1,945 Hrs. Grad: Apr 76.

**HUNGERFORD, Dale A.**, (CPT/P) (M80) (The Beast) 5891 Fisher Ave, Fort Hood, TX 76544. Dy: (817) 288-3187. Res: (817) 539-4252. S: Maria. Dy: Cdr, 175 CAC, Ft. Hood. Rtg: AA TP. Maint Crs: UH-1 CH-47. Qual: CH-47D. Time: 850 Hrs. Grad: May 80.

**HUSEMANN, Wayne R.**, (CPT) (M82) HHQ, 3/58th Avn Regt, Box 88, APO NY 09025-3109. Dy: 4264-560. 011-49-7907-1655. S: Kathy. Dy: S-1, Adjutant, Schwaebisch Hall, West Germany. Rtg: AA.

**HUTMACHER, Clayton M.**, (2LT) (M88) (Sledge) 1442-A Werner Park, Fort Campbell, KY 42223-1188. Dy: (502) 798-5693. Res: (615) 431-3689. S: Shannon. Dy: D Co, 160th SOAR (Abn). Rtg: AA. Qual: UH-60A. Time: 1,350 Hrs. Grad: Jun 85.

## IIIIII - JJJJJJ

**ILSE, Lee F.**, (1LT) (M86) B Company, 2nd MI Bn, Box 325, APO New York 09359. Dy: ETS 421-4258/711-729-4258. Res: 711-349631. S: Debbie. Dy: Maint Ofcr, B Co, 2d MI Bn (AE), Stuttgart Army Airfield, FRG. Rtg: AA. Grad: Oct 86.

**IOOSS, Steven P.**, (2LT) (M88) 64 Lincoln Avenue, Binghamton, NY 13905. Dy: (205) 255-3311. Res: (607) 722-2906. S: Katherine. Dy: 2d ACR, Nurnberg, Germany. Rtg: AA. Time: 180 Hrs.

**ISAACSON, Roy P.**, (1LT) (M87) (ike) 91 Maas Drive, Fort Bragg, NC 28307. Dy: (919) 497-4215. S: Cynthia. Dy: Fr Plt Ldr, A/282 Avn, Ft. Bragg. Rtg: AA. Qual: UH-60A. Time: 550 Hrs. Grad: Jan 88.

**JACKSON, Robin L.**, (1LT) (M87) Box 93, A Company, Task Force 23, APO New York 09182. Dy: ETS: 352-7460. Res: 09331-7848. Dy: 4th Bde, 310, Giebelstadt, Germany. Rtg: AA. Time: 275 Hrs. Grad: Jun 88.

**JACKSON, William J.**, (CPT) (M83) (Jay) 3438-A Thompson Circle, Schofield Bks, HI 96857. Dy: (808) 655-6211. Res: (808) 624-1275. S: Doris. Dy: Co Cdr, HMC, 53rd Avn Bn (Assault). Rtg: AA TP. Qual: AH-1S. Time: 850 Hrs. Grad: Feb 83.

**JACOBSON, William C.**, (CPT) (M88) C Company, 2d Aviation Regiment, APO San Francisco 96524-0456. S: Michelle. Dy: Production Control, Camp Stanley, Korea. Rtg: AA. Maint Crs: OH-58. Time: 600 Hrs.

**JAMES, John E. Jr.**, (CPT) (M85) (Johnny J) P.O. Box 136, Fort Rucker, AL 36362. Dy: (205) 255-3344. Res: (205) 347-2338. S: Denise. Dy: E Co, 1/13th Avn. Rtg: AA. Maint Crs: UH-1 UH-60. Qual: UH-60A. Time: 750 Hrs. Grad: Aug 85.

**JAMISON, Terry J.**, (1LT) (M89) (T.J.) N Troop, 4/11 ACR, APO New York 09146. Dy: 3213-524. 06659-3835. S: Tawnya. Dy: Scout Plt Ldr, Fulda, W. Germany. Rtg: AA. Maint Crs: UH-1 OH-58. Time: 350 Hrs.

**JARRETT, Paul A.**, (CPT) (M83) (Tif) 106 C Brookview Drive, Ozark, AL 36360. Dy: (255) 586-5626. Res: (205) 774-4805. Dy: Doctrine Div, OCAT, Ft. Rucker. Rtg: AA. Time: 800 Hrs. Grad: Jan 83.

**JELLISON, Joseph B.**, (CPT) (M85) (Joe) 207 Auburn Drive, Enterprise, AL 36330. Dy: (255) 3344. Res: 347-3566. S: Lynne. Dy: Student, AMOC, Ft. Eustis. Rtg: AA TP. Maint Crs: UH-60. Time: 860 Hrs. Grad: Oct 85.

**JENNINGS, David C.**, (CPT/P) (M82) 303 Wimbledon Drive, Enterprise, AL 36330. Dy: (205) 255-2529. Res: (205) 393-2050. S: Annie. Dy: Cdr C Co, 2/229 ABH. Rtg: SAA. Qual: AH-1S AH-64. Time: 1,000 Hrs. Grad: Oct 80.

**JENNINGS, James**, (CPT) (M83) (Jay) P.O. Box 817, Fort Campbell, KY 42223-0817. Dy: (502) 798-2349. S: Lou Anne. Dy: D/160 Spec Ops Avn Gp. Rtg: AA. Qual: UH-60A. Time: 1,100 Hrs. Grad: Oct 83.

**JERNIGAN, David O.**, (2LT) (M88) 24 Galt Lane, Fort Rucker, AL 36362. Dy: (205) 255-3311. Res: (205) 598-8201. S: Brenda. Dy: Student Flight School, E Co, 1-145th Avn. Rtg: AA. Time: 60 Hrs.

**JESSEN, James C.**, (CPT) (M87) Box 734, Ft. Monmouth, NJ 07703. Dy: (201) 544-3520. Res: (201) 776-7640. Dy: AVRADA. Rtg: AA IP. Maint Crs: UH-1. Time: 3,300 Hrs.

**JOHNSON, Brett E.**, (CPT) (M83) 234 Pine Mt., Clarksville, TN 37042. Dy: (502) 798-3225. Res: (615) 552-3879. S: Jean. Dy: Prod Cntrl Ofcr, F Co, 160th SOAG (Abn), Ft. Campbell. Rtg: AA TP. Maint Crs: UH-1 UH-60A. Qual: UH-60A. Time: 850 Hrs. Grad: Aug 83.

**JOHNSON, Carl H.**, (CPT) (M81) Rr 1, Box 475, Killeen, TX 76542. S: Miley. Dy: Maint Ofcr, I Co, 158th Avn, Ft. Hood. Rtg: AA. Maint Crs: UH-1. Qual: UH-1. Time: 1,150 Hrs. Grad: Nov 81.

**JOHNSON, Dale N.**, (1LT) (M88) D Troop, 4/7 Cavalry, APO New York 09076. Dy: ETS 321-4715. Res: 060-42-8206. Dy: Aeroscout Plt Ldr, Budejing AAF. Rtg: AA. Time: 180 Hrs. Grad: Oct 88.

**JOHNSON, Robert L. Jr.**, (CPT) (M85) (Bob) 1802 Hooper St., Killeen, TX 76543. Dy: (817) 287-3710. Res: (817) 690-4401. Dy: 4-6 Cav Bn, S-3, Ft. Hood. Rtg: AA. Qual: AH-1S AH-64A. Time: 1,500 Hrs. Grad: Aug 86.

**JOHNSON, Theodore C.**, (CPT) (M88) 201 Boon Road, Fort Ord, CA 93941. Dy: (406) 647-5028. Res: (408) 899-7875. S: Kimberly F. Dy: E Co. Pres. of Monterey. Rtg: AA. Time: 530 Hrs. Grad: May 85.

**JOHNSON, Thomas C.**, (CPT) (M86) (Tom) 619 Blake Drive, Olathe, KS 66360. Dy: (205) 255-6606. Res: (205) 774-4319. S: Cindy. Dy: Bn XO, 1-13th (Avn), Ft. Rucker. Rtg: AA. Qual: AH-1S. Time: 900 Hrs. Grad: Jan 83.

**JOHNSON, Thomas W.**, (CPT) (M85) 205A Marshall Road, Carlisle, PA 17013-5001. Dy: (717) 245-3643. Res: (717) 256-4328. S: Carolyn. Dy: Chief, Logistics, Carlisle Bks. Rtg: AA. Time: 450 Hrs. Grad: May 84.

**JOHNSTON, Robert J.**, (2LT) (M89) (Rob) 1613-N North Main, Copperas Cove, TX 76522. Dy: (817) 288-9733. Res: (817) 542-1434. S: Janice. Dy: 1-227 Avn Regt, 1st Cav Div, Atk Plt Ldr, C Co. Rtg: AA. Qual: AH-1S. Time: 280 Hrs. Grad: May 84.

**JONES, Jay R.**, (CPT) (M85) 1337A Werner Park, Fort Campbell, KY 42223. S: Lam. Dy: Detach Cdr, 160th SOAG. Rtg: AA. Qual: CH-47D. Time: 1,050 Hrs. Grad: Jan 83.

**JONES, Kenneth S.**, (CPT) (M84) (Ken) 109 N. Harris, Fort Rucker, AL 36362. Dy: (205) 255-6475. Res: (205) 598-6053. S: Julie. Dy: Co Cdr, A Co 2/229 Avn Regt, Ft. Rucker. Rtg: SAA IP. Maint Csr: AH-1. Qual: AH-1S AH-64A. Time: 3,200 Hrs. Grad: Jul 81.

**JONES, Michael A.**, (1LT/PT) (M85) (Spike) 3945 Rosehill Road, Apt. 1108, Fayetteville, NC 28311-2452. Dy: (919) 396-1825. Res: (919) 488-6733. Dy: HHT 1-17 Cav, Ft. Bragg. Rtg: AA. Qual: UH-60A. Time: 500 Hrs. Grad: Jun 86.

**JONES, William R.**, (CPT) (M84) (Bill) HHC, 4th Brigade, P.O. Box 67, APO New York 09182. S: Sonia. Dy: Asst S-3, Opns, 4th Bde, 3ID, Giebelstadt AAF. Rtg: AA IP. Time: 950 Hrs. Grad: Mar 84.

**JORGENSEN, Dale N. Jr.**, (CPT) (M85) 95-652 Makamulua Street, Mililani, HI 96789. Dy: (808) 655-0219. Res: (808) 623-0613. Dy: Co. Cdr, Hqs and Service Co, 25th Avn Bn, Atk Rgt. Rtg: AA. Qual: UH-60A. Time: 600 Hrs.

## KKKKKKKKKKKK

**KAESER, Donald L.**, (CPT) (M88) 212 Calhoun Drive, Leesville, LA 71446. Dy: (318) 535-2838. Res: (318) 462-3754. S: Lynn. Dy: A Co, 1-5 Cdr, Ft. Polk. Rtg: AA TP. Qual: AH-1S. Time: 550 Hrs.

**KANE, Roland J.**, (2LT) (M89) (Rollie) 103 Old Town Square, Daleville, AL 36322. Dy: (205) 255-3311. Res: (205) 598-6238. Dy: E/1-145 Avn, Ft. Rucker. Rtg: AA. Grad: Aug 86.

**KARPIAK, Robert W.**, (CPT) (M87) (Bob) HHC, 4th Brigade, Box 2553, APO New York 09250. S: Mary. Dy: Asst S-3, 4th Bde, 1 AD. Rtg: AA. Qual: AH-1S. Time: 500 Hrs. Grad: Jan 85.

**KASTNER, Patrick J.**, (CPT) (M81) (Pat) 8307 Magic Leaf Road, Springfield, VA 22153. Dy: (202) 274-9572. Res: (703) 440-0782. S: Ellen. Dy: FASI Proponent Officer, HQ AMC. Rtg: AA. Time: 700 Hrs. Grad: Oct 81.

**KEE, Thomas J.**, (CPT) (M83) (Tom) P.O. Box 368, USAFS SINOP, APO New York 09133. Dy: Ft Opns USAFS, SINOP, TU. Rtg: SAA. Maint Csr: UH-1. Time: 2,604 Hrs. Grad: Nov 80.

## K Aviation Officer Directory

**KEIL, Paul T.**, (CPT/PT) (M84) (P.T.) 5 Oakdale Lake, Edwardsville, IL 62025. Dy: (314) 263-2222. Res: (618) 288-9721. S: Virginia. Dy: AVSCOM, St. Louis. Rtg: MAA SIP. Maint Csr: UH-1 OH-58 FW. Saf Csr: Mil. Time: 6,900 Hrs. C/ht 950 Grad: Oct 68. DFC3, AM/47.

**KELLER, Paul F.**, (1LT) (M87) 1978 Fairforest Drive, Fayetteville, NC 28304-2604. Dy: (919) 396-8913. Res: (919) 864-6389. S: Marri. Dy: Plt Ldr, 1 Co, 159th Avn Rgt, Ft. Bragg. Rtg: AA. Maint Csr: UH-1. Time: 250 Hrs. Grad: Dec 86.

**KELLY, Shawn A.**, (CPT) (M86) 329 Cunningham Lane, Clarksville, TN 37042. Dy: (502) 798-2138. Res: (615) 648-0908. Dy: 6-101 Cav. Rtg: AA. Time: 700 Hrs. Grad: Mar 89.

**KELLY, William J.**, (2LT) (M89) 204 Colony Drive, Enterprise, AL 36330. Dy: (205) 255-3311. Res: (205) 347-5186. Dy: E Co, 1-145th Avn, Ft. Rucker. Rtg: AA.

**KENDALL, John F.**, (CPT) (M83) (Jack) 160 N. Harris Drive, Fort Rucker, AL 36362. Dy: (205) 255-6056. S: Susan. Dy: Co Cdr, C Co, 1/223 Avn, Ft. Rucker. Rtg: AA IP. Qual: UH-60A. Time: 1,500 Hrs. Grad: Feb 83.

**KENDRICK, Newton P.**, (CPT) (M85) 4th Sqdn, 2d ACB, Box 10489, APO New York 09092. Dy: ETS 4614-825. Res: 09128-5663. Dy: Cdr, NOMAD Troop, 4th Sqdn, 2d ACB. Rtg: AA. Qual: AH-1S. Time: 1,070 Hrs.

**KENNEY, Stephen**, (CPT) (M88) C Co, 3-4 Avn, Box 1018, APO New York 09185. Dy: 01149-6131-469813. Res: 01149-6131-475369. S: Kimberly. Dy: Co Cdr, Mainz-Finthen, FRG. Rtg: AA. Qual: AH-1S. Time: 1,000 Hrs. Grad: Sep 85.

**KERN, Russell J.**, (CPT) (M84) (Russ) 10453 Palmyra Road, Oak Grove, KY 42262. Dy: AV 635-4063-3438. Res: (502) 885-6948. S: Jennifer. Dy: F Co, 160th Special Opns Avn Regt. Rtg: AA TP. Maint Csr: UH-1H. Qual: CH-47B/C. Time: 850 Hrs. Grad: Jul 83.

**KERNAN, Michael P.**, (CPT) (M81) (Bob) 2504 Greenbriar Drive, Killeen, TX 76541. Dy: (817) 287-4179. Dy: AFA Opns Ofcr, B Co 2-158 Avn, 6th Cav, Ft. Hood. Rtg: AA. Qual: CH-47D. Time: 800 Hrs. Grad: Jan 82.

**KICKBUSCH, David A.**, (CPT/PT) (M83) 11171 W. 17th Avenue, Apt. 1-104, Lakewood, CO 80215. Res: (303) 238-7536. Dy: Student - Co School Of Mines. Rtg: SAA. Qual: UH-60A. Time: 1,200 Hrs. Grad: Jun 80.

**KIMATA, Norman W.**, (CPT) (M86) (Wes) 8130-A Packard Court, Fort Meade, MD 20755. Res: (301) 674-6642. S: Mickey. Dy: U of MD, College Park. Rtg: SAA. Qual: AH-1S. Time: 1,500 Hrs. Grad: Mar 81.

**KING, James F.**, (1LT) (M89) (Sky King) 4 Simpson Drive, Daleville, AL 36322. Dy: (205) 255-3311. Res: (205) 598-8989. S: Cynthia. Dy: E/1-145th Avn Bn, 1st Avn Bde. Rtg: AA. Time: 122 Hrs.

**KIRKLAND, Benjamin A.**, (CPT) (M86) (Art) B Co, 2d Bn, 3d Avn Regt, APO New York 09182. S: Shannon. Dy: Cdr, Giebelstadt, FRG. Rtg: AA. Qual: AH-1S. Time: 700 Hrs. Grad: Dec 86.

**KIYOKAWA, Guy T.**, (2LT) (M87) 515 Ramona Court, No. 6, Monterey, CA 93940. Dy: (408) 242-3115. Dy: 237th Med Detach, Ft. Ord. Rtg: AA. Time: 450 Hrs.

**KLAACKEN, Merrill S.**, (1LT/PT) (M86) 8710 Hawk's Glen Loop SE, Olympia, WA 98503. Dy: (206) 967-2536. Res: (206) 456-3522. S: Brenda. Dy: HHC, S-4 2/9 Avn, Ft. Lewis. Rtg: AA. Qual: UH-60A. Time: 430 Hrs. Grad: Aug 86.

**KLEINKNECHT, Bradley J.**, (1LT) (M89) (Brad) 145 Gilgen Avenue NE, New Philadelphia, OH 44663-3401. Dy: (216) 497-8152. Res: (216) 343-8992. S: Jamie. Dy: Helicopter Subsystems Repair Plt Ldr, Det. 1, Co D, 137th Avn. Rtg: AA TP. Maint Csr: UH-1. Time: 600 Hrs. Grad: Jan 89.

**KLINE, Robert W.**, (CPT) (M82) (Bob) G Co, 3rd Avn Regt, APO NY 09182. Dy: 352-7422. Res: 09337-740. S: Lori. Dy: Co Cdr, Svc Co TF 23, 4th Bde, Giebelstadt Germany, 3d ID. Rtg: AA TP. Maint Csr: UH-1. Time: 900 Hrs.

**KLUTZ, Kevin P.**, (2LT) (M88) CMR 2, Box 13365, Fort Rucker, AL 36362. Dy: (205) 255-3311. Res: (205) 598-4952. Dy: E/1-145th. Rtg: AA.

**KNAPP, Warren D.**, (1LT) (M89) (Chip) 208 Rose Drive, Security, CO 80911. Dy: (719) 579-2612. Res: (719) 390-4591. Dy: A/1-145th. Rtg: AA. Time: 400 Hrs.

**KNAUF, William K.**, (1LT) (M87) (Kyle) D Trp, 5/17th Cav, APO SF 96224-0458. Dy: 730-3292. Dy: Plt Ldr. Rtg: AA. Time: 400 Hrs. Grad: Nov 87.

**KNECHT, Cecilia A.**, (2LT) (M88) 250 Edith Way, Daleville, AL 36322. Res: (205) 598-5491. Dy: Student, Ft. School, E-145. Rtg: AA.

**KNIGHT, William L. Jr.**, (CPT/PT) (M82) (Bill) 1009 Peppercorn Plwy, Fenton, MO 63026-4953. Dy: (314) 263-1016. Res: (314) 349-1892. Asst. SSG AMSAV-GS AVSCOM. Rtg: AA TP. Maint Csr: UH-60. Qual: UH-60A. Time: 480 Hrs./Cot 11. AM/1. Grad: Apr 82.

**KNIGHTON, Christine B.**, (CPT/PT) (M88) (Nicky) 2509-A Bermuda Drive, Killeen, TX 76542. Dy: (817) 287-0561. Res: (817) 634-3255. Dy: Co Cdr, Delta Co, Ft. Hood. Rtg: AA TP. Maint Csr: UH-1H. Qual: UH-60A. Time: 925 Hrs.

**KNIPPEL, Michael J.**, (CPT) (M82) (Mike) P.O. Box 61, Fort Rucker, AL 36362-0061. Res: (205) 598-8920. S: Laurie Ann. Dy: 1st AB (AA), USAVAV. Rtg: AA. Time: 670 Hrs. Grad: Oct 82.

**KNOTTS, John**, (1LT) (M89) 112 Valley View, Enterprise, AL 36330. Dy: (205) 255-6418. Res: (205) 347-4130. S: Sherri. Dy: Plt Ldr, D Co, 1/212. Rtg: AA IP. Time: 1,300 Hrs. Grad: Jan 86.

**KOBY, Edgar W.**, (1LT) (M88) C Troop, 5/6 Cav, APO New York 09457. Dy: Plt Ldr/Pilot, 5/6 Cav, V Corps. Rtg: AA. Grad: Nov 88.

**KOHLER, Konrad J.**, (CPT) (M89) P.O. Box 581, Fort Rucker, AL 36362. Dy: (205) 255-6501. Res: (205) 598-3725. S: Gina. Dy: B 1-10 Avn Regt (DCAT-CLD). Rtg: AA. Time: 535 Hrs.

**KOKOSKIE, Gregory A.**, (CPT) (M85) (Koko) 100 Foxhill Drive, Enterprise, AL 36330. Dy: (205) 255-3344. S: Vicki. Dy: F Co, 1/13 Avn. Rtg: Plt Ldr. Rtg: AA. Qual: AH-1S. Time: 700 Hrs.

**KOLB, William J.**, (CPT) (M82) (Bill) 136 Chase Court, Newport News, VA 23602. Dy: (804) 878-2567. Res: (804) 877-5705. S: Jenny. Dy: Cdr, A Co, 1/222 Avn Regt., Ft. Eustis. Rtg: AA TP. Maint Crs: UH-1. Qual: AH-1S. Time: 650 Hrs. Grad: Sep 82.

**KOPRA, Timothy L.**, (1LT) (M85) (Tim) 164 E. Glenwood Drive, Clarksville, TN 37040-3553. Dy: (502) 798-6858. Res: (502) 885-3491. Dy: HHT, 217 Cav, Ft. Campbell. Rtg: AA. Qual: AH-1S. Time: 650 Hrs. Grad: Aug 86.

**KORDENBROCK, James U. Jr.**, (CPT) (M85) (Jim) 32 Barkdale Drive, Savannah, GA 31419. Dy: (912) 352-5640. Res: (912) 920-2221. S: Christine. Dy: E Trp, 2/4 Cav, Hunter AAF, Ft. Stewart. Rtg: AA. Qual: AH-1S. Time: 750 Hrs. Grad: Sep 85.

**KOSTELECKY, Todd D.**, (1LT) (M88) 5/6 Cav, 12th Avn Bde, APO New York 09457. Rtg: AA.

**KRIEGER, David D.**, (CPT) (M88) 162 North Harris, Fort Rucker, AL 36362. Dy: (205) 255-7441. Res: (205) 598-2783. Dy: Ft Surgeon, USASAM. Rtg: AA.

**KRINGS, Troy D.**, (2LT) (M89) Forest Park # 82, Dixie Drive, Enterprise, AL 36330. Rtg: AA. (205) 347-0490. Dy: E Co, 1-145th Avn. Rtg: AA.

**KRUPCZAK, Michael J.**, (CPT/P) (M85) 7136 Secretariat Drive, Columbus, GA 31909. Dy: (404) 454-3522. Res: (404) 561-4948. S: Jaye Lynne. Dy: Instructor, US Army School of the Americas, Ft. Benning. Rtg: AA. Time: 410 Hrs. Grad: Oct 84.

**KUCH, Sherman L.**, (CPT) (M85) HHC 3 Bn 4 Avn, Box 113, APO New York 09185. S: Sharon. Dy: 3 Bn, 4 Avn Regt, Mainz-Finthen FRG. Rtg: AA. Qual: AH-1S. Time: 750 Hrs. Grad: Apr 86.

**KUCHINSKI, William D.**, (CPT) (M87) C Co, 2-3 Aviation Regt, APO New York 09182-5000. S: Sharon. Dy: Company Cdr, Giebelstadt, W. Germany. Rtg: AA. Qual: AH-1S. Time: 1,000 Hrs. Grad: Jun 85.

**KUMAR, Sanjal,** (CPT) (M85) 95-107 Lalai Place, Milliani, HI 96789. Dy: (808) 656-1184. Res: (808) 625-1055. Dy: Cdr, C Co, 53d Avn Bn, Schofield Bks. Rtg: AA. Maint Crs: UH-1 OH-58. Time: 900 Hrs.

**KUSILKA, Larry D.**, (CPT) (M86) 1006 Livingston Street, Daleville, AL 36322. Dy: (205) 255-5729. Res: (205) 598-3668. Dy: IF/IT Cdr, B-14th Avn, AFB. Rtg: AA. Qual: AH-1F. Time: 1,400 Hrs. Grad: Apr 83.



**LABLONDE, George T.**, (1LT) (M87) 204 Millstone Circle, Clarksville, TN 37042. Dy: (502) 798-3318. Res: (615) 647-3415. Dy: UH-60A Plt Ldr, C Co, 4-101 Avn Regt, Ft. Campbell. Rtg: AA. Qual: UH-60A. Time: 454 Hrs.

**LAGANELLI, John F.**, (2LT) (M89) D Co, 4-159th Avn, Box 848, APO New York 09359. S: Dian. Dy: Plt Ldr, Stuttgart AAF, Echterdingen, FRG. Rtg: AA. Qual: UH-58D. Time: 250 Hrs. Grad: Apr 89.

**LAGEMAN, Wendy Rao,** (CPT) (M86) HHC, 17th Aviation Bde, APO San Francisco 96301-0043. S: Jeffrey L. Dy: Force Structure/Modernization, 17th Avn Bde, Yongsan, Korea. Rtg: AA IP. Time: 1,200 Hrs. Grad: Nov 80.

## Aviation Officer Directory

**LAMB, Trent E.**, (1LT) (M87) G Company, 4th Aviation Regiment, APO New York 09111-2382. S: Catherine. Dy: Divarty Support Plt Ldr (OH-58D). Rtg: AA.

**LANE, Robert D.**, (CPT) (M87) (Bob) H Company, 227th Aviation, 3AD, Box 125, APO New York 09165. S: Bonny. Dy: Co. Cdr, Hanau, Germany. Rtg: AA. Qual: UH-60A. Time: 500 Hrs. Grad: Feb 86.

**LANG, Neal E.**, (CPT/P) (M71) 711 S. Broadway, Leavenworth, KS 66048-2529. Dy: (913) 684-4893. Res: (913) 651-3893. S: Patricia. Dy: Airlift Cdr, Sherman AAF, Ft. Leavenworth. Rtg: MAA IP TP. Maint Crs: UH-1 FW. Time: 4,800 Hrs./Cdt 997 Grad: May 69. DFC/1 AM/10. VP, Leavenworth Chapter. Past Pres, Mid-America Chapter.

**LAPORTE, Roy C.**, (CPT) (M82) 108 Colony Drive, No. 4, Enterprise, AL 36330. Dy: (205) 255-3344. Res: (205) 393-4605. Dy: Small Group Instr, F Co, 1/13th Avn Regt. Rtg: AA. Qual: AH-1S. Time: 798 Hrs. Grad: Apr 83.

**LARESE, William S.**, (CPT) (M87) 143 S. Shelat Circle, Savannah, GA 31410. Dy: (912) 352-6716. Res: (912) 897-7014. S: Julie. Dy: Co Cdr, B Co, 5th Atk Bn, 501 Avn Regt, Camp Long, Korea. Rtg: AA. Qual: AH-1S. Time: 1,432 Hrs. Grad: Jun 86. Treas, Coastal Empire Chapter.

**LARRABEE, Mark E.**, (CPT) (M74) 231 Castlekeep Court, Newport News, VA 23602. Dy: (804) 878-6852. Res: (804) 877-7863. S: Karen. Dy: Materiel Mgr, DCD/USAAFS, Ft. Eustis. Rtg: MAA TP. Maint Crs: CH-47. Time: 2,200 Hrs. Grad: Aug 74.

**LASSAN, Josef R. III,** (CPT) (M85) (Jojo) 906 Mill Drive, Savannah, GA 31419. Dy: (912) 352-5010. Res: (912) 827-2411. S: Kathy. Dy: 3d Bn, 24th Avn Regt, HAAF, S-4. Rtg: AA TP. Maint Crs: UH-1 UH-60. Qual: UH-60A. Time: 1,000 Hrs. Grad: Jul 83.

**LASSITER, Donald E.**, (1LT) (M87) (Don) 20778 Werner Park, Fort Campbell, KY 42223. Dy: (502) 798-5114. S: Patricia. Dy: 1-101, S-4. Rtg: SAA. Qual: AH-1S. Time: 1,575 Hrs. Grad: Oct 81.

**LAUER, James J.**, (CPT) (M84) 2d Bn, 501st Aviation, APO San Francisco 96271-0124. Dy: 753-6842. Res: 753-7965. S: Lynn. Dy: Bn-2, Camp Humphreys, Korea. Rtg: AA. Qual: UH-60A. Grad: Dec 83.

**LAWRENCE, David L.**, (CPT/P) (M83) (Dave) 2056-A Werner Park, Fort Campbell, KY 42223. Dy: (502) 798-2726. Res: (615) 431-4117. S: Sonya. Dy: Hqs S-101st Avn Regt, Ft. Campbell. Rtg: SAA. Qual: UH-60A. Time: 2,000 Hrs./Cdt 20 Grad: May 80.

**LAX, Thomas J.**, (2LT) (M88) (Buzz) 8008 W. Rockglen Court, Springfield, VA 22152. S: Anne Marie. Rtg: AA. Qual: UH-60A. Time: 185 Hrs. Grad: Apr 89.

**LAYA, Russell J.**, (CPT) (M85) (Russ) H Company, 1st Avn. Regt., Box 3054, APO New York 09250. Dy: ETS 467-2630/2643. Rtg: 09501-61719. Dy: Task Force Phoenix, 4th Bde, Katterbach, FRG. Rtg: AA. Qual: UH-60A. Time: 850 Hrs. Grad: Mar 85.

**LAYTON, Daniel J.**, (CPT) (M87) (Dan) 60 Durrett Drive, Clarksville, TN 37042. Dy: (502) 798-6462. Res: (615) 431-5327. S: Lois. Dy: C Trp, 217 Cav 101st Avn Bde (Aasit), Ft. Campbell. Rtg: AA. Qual: AH-1S. Time: 800 Hrs. Grad: Jan 85.

**LAZZARINI, Edward M.**, (CPT) (M86) 4905 Creekside Drive, Killeen, TX 76543. Dy: (817) 287-1999. Res: (817) 690-3339. Dy: S-3 Air Avn Bde 2AD. Rtg: AA. Time: 750 Hrs. Grad: Sep 86.

**LEFEVER, Kevin D.**, (2LT) (M86) 802 Whittle Hudson Rd, Ozark, AL 36360. Res: (205) 774-3840. S: Susan. Dy: E/6, Ft. Rucker. Rtg: AA.

**LEHMAN, Michael N.**, (CPT/P) (M85) (Mike) 5th Aviation Regiment, RAAF Base Townsville Qld, APO San Francisco 96211-0006. S: Carol S. Dy: Exchange Off (Australian Army), Townsville, Qld. Rtg: MAA IP. Qual: UH-60A. Time: 3,900 Hrs./Cdt 780 Grad: Jul 81. AM/20.

**LENK, John A.**, (CPT) (M84) HHC, CAB, 3AD, APO New York 09165. S: Jean. Dy: Asst Bde S-3. Rtg: AA. Qual: AH-64 CH-58 OH-58 UH-1H. Time: 750 Hrs. Grad: Jun 83. AM/3.

**LEWIS, Steve A.**, (CPT) (M83) (Lou) C Trp, 5/6 Cav, 12th Aviation Brigade, APO New York 09457. Dy: 06121-78-5459. Res: 06122-14239. S: Louise P. Dy: Cdr, Rtg: AA. Qual: AH-1S AH-64A. Time: 960 Hrs. Grad: Jun 82.

**LEYDEN, Richard G.**, (CPT) (M82) (Rich) 4826 E. Corte Vista, Sierra Vista, AZ 85635. Dy: (602) 538-2808. Res: (602) 458-0769. S: Barbara. Dy: B Co, SEMA Inst Div, USAFCS, Ft. Huachuca. Rtg: AA. Maint Crs: FW. Time: 900 Hrs. Grad: Dec 81.

**LILLIE, Michael W.**, (1LT) (M85) (Mike) B Co, 70th Trans Bn, APO New York 09028. S: Lisa. Dy: Coleman Barracks Sandhofen, Germany. Rtg: AA. Maint Crs: UH-1. CH-47D. Time: 560 Hrs. Sec, Rhine Valley Chapter.

**LINDSAY, John J.**, (2LT) (M88) 203 Walnut Drive, Enterprise, AL 36330. Dy: (205) 255-3311. Res: (205) 347-7713. Dy: IERW Student, E Co, 1-145. Rtg: AA.

**LITTLE, Denise A.**, (1LT) (M87) (Spike) A Company, 1-501st Aviation, APO San Francisco 96301. Dy: Plt Ldr, 1/501st Avn K16, Seoul, Korea. Rtg: AA. Qual: UH-58A. Time: 230 Hrs. Grad: May 88.

**LOFTIS, Stephen Ray,** (2LT) (M89) 1603 E. Andrews, No. 140, Ozark, AL 36360. Dy: (205) 255-3937. Res: (205) 774-5190. Dy: Ft School, 1/145th Aft B Co. Rtg: AA. Grad: Apr 90.

**LONG, David S.**, (CPT) (M83) (Dave) 18 Little Big Horn, Fort Irwin, CA 92310. Dy: (619) 388-4420. Res: (619) 386-1615. S: Judy. Dy: Aviation Observer Controller, National Training Center. Rtg: AA. Sd Ctr. Mil Civ. Qual: AH-1S. Time: 1,300 Hrs. Grad: Feb 82.

**LONG, Kevin W.**, (CPT) (M85) E Troop, 5/17th Cavalry, APO San Francisco 96224-0459. Dy: Trp Cdr, Comp Mobile, Korea. Rtg: AA. Qual: AH-1S. Time: 1,000 Hrs.

**LOPOLITO, Vincent K.**, (CPT) (M85) (Vince) 2 Pinon Pine Ct, St. Peters, MO 63376-4605. S: Donna. Rtg: AA TP. Maint Crs: UH-60. Qual: UH-60A. Time: 700 Hrs. Grad: Apr 81.

**LORD, Emory S.**, (CPT) (M79) (Steve) 37 Kirby Street, Fort Rucker, AL 36362. Dy: (205) 255-3973. Res: (205) 598-9278. S: Brigitte. Dy: Proj Off, Dir Combat Dev. Rtg: MAA IP. Maint Crs: UH-1. Qual: UH-60A. Grad: Jan 70.

**LOZANO, Michael A., (CPT) (M89) (Mike)** 799 Donnell Blvd. #6, Daleville, AL 36322. Dy: (205) 255-6418. Res: (205) 598-8668. Dy: Ptl Cdr, Lowe AHP, Ft. Rucker. Rtg: AA IP. Qual: UH-60A. Time: 2,000 Hrs. Grad: Jun 83.

**LUCK, Leon E., III, (2LT) (M88)** 98192 Golf Club Drive N., Bay St. Louis, MS 39520-9157. Res: (601) 255-4141. Dy: Aviator (15A), E Co, 1-145 Avn. Ft. Rucker. Rtg: AA.

**LUDWIG, James P., (CPT) (M81) (Jim)** 184 N. Harris Drive, Fort Rucker, AL 36362. Dy: (205) 255-2531. Res: (205) 598-3151. S. Leslie. Dy: DES, USAAVNC. Rtg: SAA SIP. Main: Ctr: AH-1 UH-1. Qual: AH-1S. Time: 1,800 Hrs. Grad: Jan 82.

**LUKOW, Herman R. II, (CPT) (M83)** 12 Ferguson Lane, Fort Rucker, AL 36362-2414. Dy: (205) 255-6418. Res: (205) 598-2169. S. Susan. Dy: Co Cdr, D Co, 1/212 Avn. Rtg: AA IP. Main: Ctr: UH-1H. Time: 1,500 Hrs. Grad: Jul 83.

**LUSK, Chris. B., (CPT) (M82)** 1051 Gaffney Road, Apt. 8, Bldg. 1051, Fort Wainwright, AK 99703-1321. Dy: (907) 353-6714. Res: (907) 356-1531. S. Stephanie. Dy: Cdr, C Troop, 4-9 Cav, 6th ID (L). Rtg: AA. Qual: AH-1S. Time: 1,150 Hrs. Grad: Jun 81.

**LUTZ, Colleen C., (2LT) (M89)** TF Skyhawk HQ, 4th Bde, 810 (M), APO New York 09185. S. James E., Dy: Asst. S-3, 3rd Army Airfield. Rtg: AA. Main: Ctr: UH-1. Grad: Nov 88.

**LUTZ, Monika M., (CPT) (M87) (Mimi)** P.O. Box 16268, Fort Ben Harrison, IN 46216. Dy: (317) 542-4791. Res: (317) 845-5860. Rtg: AA.

**LYTLE, Michael T., (CPT) (M88) (Mike)** 172 North Harris Drive, Fort Rucker, AL 36362. Dy: (205) 255-2807. Res: (205) 598-3184. S. Karena. Dy: E Co, 1/145th Avn. Rtg: AA.

## MMMMMMMMMM

**MABREY, Clark D., (CPT) (M84)** 43 South Nicholson Circle, Savannah, GA 31419. Dy: (912) 352-5517. Res: (912) 925-3073. S. Debra. Dy: Cdr, C Co, 3d Bn (Prov), 24th Avn Regt. Rtg: AA TP. Main: Ctr: UH-60. Qual: UH-60A. Time: 750 Hrs. Grad: Jan 84.

**MACCHIARELLA, Nicholas, (CPT) (M85)** D Troop, 4-4 Cav., Box 137, APO New York 09702. Dy: ETS 354-6318. S. Sue. Dy: Cdr. Rtg: AA. Qual: AH-1S. Time: 1,250 Hrs.

**MACIUBA, Tadeusz S., (CPT) (M81) (Ted)** 902 Kim Ave., Copperas Cove, TX 76522. Dy: (817) 787-2440. Res: (817) 547-6785. S. Terri. Dy: Cdr, E/22nd Avn, 1 Cav. Rtg: AA. Time: 550 Hrs. Grad: Apr 82. Past VP, Mid-America Chapter.

**MACNEALY, Richard E., (CPT) (M83) (Rem)** 137 Windridge, Harker Heights, TX 76543. Dy: (817) 287-7757. Res: (817) 698-4849. S. Ginger. Dy: Asst S-3, Apache Trng Bde, Ft. Hood. Rtg: AA TP. Main: Ctr: AH-1 OH-6A. Qual: AH-1S AH-6A. Time: 1,000 Hrs. Grad: May 83.

**MACWILLIE, Donald M., (CPT) (M84) (Skip)** 4801 Glass Mountain Drive, Killeen, TX 76543. Dy: (817) 287-8067. Res: (817) 690-2991. S. Sherri. Dy: Asst. S-3, 6 Cav Bde (Air Combat), Fort Hood. Rtg: AA. Qual: AH-1S UH-60A. Time: 1,180 Hrs. Grad: Mar 84.

**MADDOX, Beth Ann, (CPT) (M82)** 204 Springhouse Drive, Savannah, GA 31419. Dy: (912) 352-5114. S. Jerry. Dy: Cdr, HHC Avn

## M Aviation Officer Directory

Bde, Hunter AAF. Rtg: AA TP. Main: Ctr: UH-1. Time: 725 Hrs. Grad: Jan 82.

**MAGERKURTH, Brian W., (CPT) (M88) (B)** 4115 Barrett Drive, Newburgh, NY 12550. Dy: (914) 938-2054. Res: (914) 567-0705. S. Valerie. Dy: USMA Instr (Phys Ed), DPE, USMA. Rtg: AA. Qual: CH-47. Time: 700 Hrs. Grad: Mar 82.

**MAGNESS, John M., (1LT) (M87) (Mags)** R Tr, 4/2 ACR, Box 148, APO NY 09092. S. Angela. Dy: 4/2 ACR, III/V Ptl Ldr, Nurnberg, W. Germany. Rtg: AA. Qual: AH-1S. Time: 500 Hrs. Grad: Sep 87. Trea, Redcatcher Chapter.

**MAHANNA, Cory W., (CPT) (M84)** 5624 Watersplash Lane, Fayetteville, NC 28301. Dy: (919) 396-2733. Res: (919) 822-4879. S. Lori Kay. Dy: 2/159th Avn Regt, Ft. Bragg. Rtg: AA TP. Main: Ctr: AMOC CH-47. Qual: CH-47. Time: 1,300 Hrs. Grad: May 83.

**MAIBERGER, Robert M., (CPT) (M83) (Bob)** 300 Lakepark Road, Wayne, NJ 07470. Res: (201) 595-7449. Dy: H Co, 159th Avn Bn, 8-101st Fl. Campbell. Rtg: AA TP. Main: Ctr: UH-60. Qual: AH-1S UH-60A. Time: 972 Hrs. Grad: Aug 82.

**MAJOR, Richard K., (CPT) (M85) (Keith)** Box 10294, 4/2 ACR, APO New York 09092. Dy: 461-4820. Res: (507) 401-6178. S. Elise. Dy: HHT Cdr, Redcatcher Chap. Rtg: AA. Qual: AH-1S. Time: 450 Hrs. Grad: Sep 85.

**MAKS, Joseph D., (2LT) (M84)** 5406A Fourmet Court, Fort Polk, LA 71459. Dy: (318) 535-7928. Res: (318) 537-5860. S. Suzanne. Dy: Safety Officer/Evac Pilot, 36th Med. Det. Rtg: AA. Ssl Ctr: UH-60A. Time: 1,500 Hrs. Grad: Jul 84.

**MALEE, Thomas M., (1LT) (M89)** 117 Blackhawk Daleville, AL 36322-9314. Dy: (205) 255-5820. Res: (205) 598-1828. Dy: Instr Pilot, B Co, 1/223 Avn, ATB. Rtg: AA IP. Time: 1,000 Hrs.

**MALLORY, Robert P., (CPT) (M84) (Bob)** 9097 Blarney Stone Drive, Springfield, TN 22152. Dy: (202) 695-9536. Res: (703) 866-9241. S. Pat. Dy: HQDA ODCSOPS, Force Dev - Avn, Washington, DC. Rtg: AA. Qual: AH-1S. Time: 750 Hrs.

**MALVIN, Gregory A., (CPT) (M87)** 4301 E. Rancier, Apt. 716, Killeen, TX 76543. Dy: (817) 288-1338. Res: (817) 690-3266. Dy: Ops Off, 3/507th Medical Co (AA), Ft. Hood. Rtg: AA. Time: 425 Hrs. Grad: Apr 88.

**MANGUM, Kevin W., (CPT) (M83)** 117 Greenland Court, Clarksville, TN 37042. Dy: (502) 798-2858. S. Angel. Dy: S-3, 4-101 Avn Regt, Ft. Campbell. Rtg: AA. Qual: UH-60A. Time: 1,300 Hrs. Grad: Sep 83.

**MAPLES, David L., (CPT) (M87)** P.O. Box 33683, Fort Sill, OK 73503. Dy: (405) 531-6889. Res: (405) 536-6127. S. Jeanne. Dy: HNB, 5/30 Fl. Rtg: AA. Grad: May 84.

**MARASCHIELLO, Michael F., (CPT) (M86)** 3410-D Victoria Circle, Killeen, TX 76543. Dy: (817) 690-6210. S. Roxie. Dy: HSC, 3-1 AAHB. Rtg: AA. Qual: UH-60A. Time: 350 Hrs. Grad: Nov 87.

**MARBACH, Deborah A., (1LT) (M87)** 310 Baumann Drive, Killeen, TX 76541. Dy: (817)

288-1013. Res: (817) 628-1873. S. Greg. Dy: CEWI Ptl Ldr, D/227th Avn Regt, CAB, 1st Cav Div. Rtg: AA. Main: Ctr: UH-1 UH-60 EH-60. Qual: UH-60A.

**MARCK, David W., (CPT) (M80)** 3109 Chisholm Trail, Killeen, TX 76541. Dy: (817) 287-6377. S. Carol Ann. Dy: Co Cdr HST 5/17th Cav, 6th Cav Bde, Prod Cntrl Ofc, K Co, 158th Avn, 13th COSCOM. Rtg: SAA TP. Main: Ctr: AH-1. Qual: AH-1S UH-60A. Time: 1,100 Hrs. Grad: Aug 81.

**MARCONI, James P., (CPT) (M82)** HSC 308th AHB, APO NY 09165. S. Sandra. Dy: CART Team, Ft. Sheridan, IL. Rtg: AA. Qual: AH-1S. Time: 1100 Hrs. Grad: Sep 82.

**MARKS, Tommy L., (CPT/P) (M88)** 39 Marvelles Road, Eatontown, NJ 07724. Dy: (201) 532-1596. Res: (201) 398-7576. S. Trudy. Dy: Contracting Mgmt Ofc, HQ CECOM. Rtg: AA. Qual: UH-60A. Time: 600 Hrs. Grad: Jun 82. Past VP, Fort Rucker Chapter.

**MARTIN, Brian K., (1LT) (M89) (B.K.)** 435 Hylcliff Drive, Apt. 603-C, Watertown, NY 13601. Dy: (315) 772-7216. Res: (315) 782-6360. S. Kelley. Dy: Exec Ofc, D Co, 3-25 AHB, Ft. Drum. Rtg: AA. Grad: Dec 88.

**MARTIN, Edward J., (CPT) (M85)** HSC, 2/1 Avn, APO NY 09250. Dy: 4672-807. Res: 09802-7616. S. Suzanne. Dy: HSC, Co Cdr, Uatterbach, Frg. Rtg: AA. Qual: AH-1S. Time: 850 Hrs.

**MARTINEZ, Axel, (CPT) (M84)** P.O. Box 4664, APO MIA 34001. S. Jennifer L. Dy: (507) 284-4702. Res: (507) 284-4635. Dy: BW S-4, Ft. Kobbe. Rtg: AA. Qual: CH-47C. Time: 700 Hrs. Grad: Jan 84.

**MARTINSEN, Kelli, (CPT) (M89) (K.J.)** 402 Robin Lane, Enterprise, AL 36330. Dy: (205) 255-4605. Res: (205) 347-2993. S. Tonil. Dy: IP, C Co, 1-212 Avn Tng Bde. Rtg: AA IP IFE TP SIP. Time: 4,000 Hrs. Grad: May 78.

**MASON, Bradley J., (CPT/P) (M82)** HHC, 1/228th Avn Regt., APO Miami 34006. Dy: 204-4257. Res: 286-3280. S. Michele. Dy: 8th XO, 1-228th Avn Regt. Rtg: AA. Qual: UH-60A. Time: 800 Hrs. Grad: Nov 81. Past Pres, Tucan Chapter.

**MASON, Reginald P., (CPT) (M87)** (Reggie) 98-1712 Kaahumanu St., Apt. A, Pearl City, HI 96782-1850. Dy: (808) 656-2888. Res: (808) 455-4862. S. Sandra. Dy: Co Cdr, B Co, 1-25th Avn, Schofield Bks. Rtg: AA. Main: Ctr: AH-1 OH-58. Qual: AH-1S. Time: 370 Hrs. Grad: Apr 87.

**MASTERSON, Peggy A., (2LT) (M87)** 4/159th Aviation Regiment, Box 247, APO New York 09359. Dy: Ptl Ldr, A Co, 4/159th Avn Regt, Stuttgart Army Airfield. Rtg: AA. Time: 250 Hrs.

**MATHEWSON, Michael H., (CPT) (M75) (Mike)** 342 Oakland Road, Madison, AL 35758. Dy: (205) 842-0819. Res: (205) 461-7964. S. Jim Michele. Dy: Army Tactical Missile Sys Proj Mgmt Ofc, Redstone Arsenal. Rtg: AA. Past Pres.

**MATSON, Jerry F., (CPT) (M84)** 104 Peacock Rd, Daleville, AL 36322-9736. Dy: (205) 255-3341. Res: (205) 598-2088. S. Susan. Dy: SSI Team Ldr, AVNOAC Instr, Ft. Rucker. Rtg: AA. Qual: AH-1S. Time: 800 Hrs. Grad: Mar 81.

**MAYNARD, Larry D., (CPT) (M81)** A Trp, 5/6, 12th Avn Bde, APO NY 09457. S. Ann Christine. Dy: Asst. S-3, 5th Sqdn, 6th Cav,

Wiesbaden Airbase, FRG. Rig: SAA IP. Qual: AH-15 AH-64. Time: 1,490 Hrs. Grad: Apr 81.

**MAYS, Brian K., (CPT/P) (M82) HHC**, 4th Brigade, APO New York 09185. S: Dee. Dy: 4th Bde Adjutant, HQ 4th Bde, 8th ID (Mech). Rig: SAA. Qual: AH-15. Time: 1,050 Hrs. Grad: Mar 81.

**MCCANN, Henry C., (CPT) (M84) (Hank) Rd** 3, Box 591-C, Milford, DE 19963. Dy: (302) 422-4277. Res: (302) 335-4772. S: Kaye. Dy: Gen Mgr, McCann, Inc. Rig: AA. Time: 1,100 Hrs. Grad: Aug 80.

**MCCARTY, Michael, (1LT) (M85) (Mic) P.O.** Box 621, Fort Polk, LA 71459-0621. S: Melanie. Dy: Asst S-3, 1-SAV, Ft. Polk. Rig: AA. Qual: AH-1S. Grad: Dec 75.

**MCCLELLAN, Thomas L., (CPT) (M88) (Tom)** E Troop, 47 Cavalry, APO New York 09076. S: Shelley A. Dy: Troop Cdr, Budingen, W. Germany. Rig: AA TP. Maint Crs: OH-58. Qual: AH-1S. Time: 700 Hrs. Grad: Oct 83.

**MCCLUNG, Joseph J., (CPT) (M85) (Well)** Hung, 3307 Melody Manor, Cincinnati, OH 45239. Res: (513) 923-3189. Dy: Ft. Eustis. Enroute To Korea. Rig: AA. Maint Crs: OH-58. Qual: AH-1S. Time: 550 Hrs.

**MCCONNELL, G. Scott, (CPT) (M85) (Scott)** 1517 Iris Avenue, Killeen, TX 76543. Dy: (817) 288-3538. Res: (817) 690-5291. S: Kathryn. Dy: Co Cdr, 3-1 Avn, Ansbach, FRG. Rig: AA. Qual: AH-1S AH-64A. Time: 735 Hrs. Grad: Nov 85.

**MCCONVY, Timothy F., (1LT) (M87) (Tim)** 715 Stevens Street, Steilacoom, WA 98388. Dy: (206) 967-7513. Res: (206) 588-3281. Dy: Ft Pitt Rd, Co, 2/9th Avn Regt, Ft. Lewis. Rig: AA. Qual: UH-60A. Time: 350 Hrs. Grad: May 86.

**MCCURDY, Craig P., (CPT) (M84) 615 Todd** Trail, Newport News, VA 23602. Dy: (804) 878-6599. Res: (804) 249-6231. S: Nancy. Dy: USAARL. Rig: MAA TP. Maint Crs: AH-1. Qual: AH-1S. Time: 2,200 Hrs./Cbt 550 Grad: May 71. AM/12.

**MCCORMAN, Kenneth W., (2LT) (M87) 100** N. Harris Dr, Fort Rucker, AL 36362-2358. Dy: (301) 255-2542. Res: (301) 598-6127. Dy: Pilot, Aeroscout Plt Ldr, 2/101 Avn Regt, 101st Abn Div (AASLT). Rig: AA.

**MC FARLAND, David, (CPT) (M85) 701 R.S.** Bradley Blvd, Clarksville, TN 37042. Dy: (502) 798-6318. Res: (615) 645-5258. S: Colleen. Dy: 2/17th Cav, A Trp, Ft. Campbell. Rig: AA. Time: 720 Hrs. Grad: May 85.

**MCGAUGHEY, James P. IV, (CPT/P) (M82)** (Jim) Box 207, APO New York 09052. S: Kam. Dy: Opns Ofc, USAEUR ADCSLOG-MRM. Rig: AA TP. Maint Crs: UH-1. Time: 550 Hrs. Grad: Feb 81.

**MCHALE, Janice F., (CPT) (M82) 508 Sun** Meadows Drive, Harker Heights, TX 76543. Dy: (817) 287-1996. Res: (817) 698-2874. S: Timothy. Dy: S-4 2/158 Avn Regt, 6th Cav Bde, Ft. Hood. Rig: AA. Maint Crs: UH-1. Qual: UH-60A. Time: 625 Hrs. Grad: Oct 82.

**MCINTIRE, David L., (CPT/P) (M82) 5786** Summit Meadow Drive, St. Charles, MO 63303. Dy: (314) 263-3197. Dy: AVSCOM, FW Product Mgr, St. Louis. Rig: MAA IP TP. Maint Crs: UH-1 FW. Grad: Jan 72.

**MCKEARN, Mark J., (CPT) (M82) (Mac) HHC**, 2d AD (FWD), APO NY 09355. S: Kathy. Dy: Cdr, D Trp, 2/1 Cav, Garlstedt, Frig. Rig: AA.

## M Aviation Officer Directory

Maint Crs: UH-1 OH-58. Qual: AH-1S. Time: 900 Hrs. Grad: Aug 82.

**MC KEELEY, Max A., (CPT) (M82) (Mad Max)** 203 Arapaho Ct, Enterprise, AL 36330. Dy: (205) 255-5626. S: Ellen. Dy: OCAT SSG-LHX, Ft. Rucker. Rig: AA. Qual: AH-1S. Time: 500 Hrs. Grad: Jun 82.

**MCKENNEY, Paul J., (CPT) (M84) 213 Iota** Avenue, Manikato, MN 56001. S: Elizabeth. Dy: Co Cdr, Manikato Recruiting Co. Rig: AA. Time: 826 Hrs.

**MCKNIGHT, Claudia V., (CPT) (M87) 103 Kelli** Drive, Ozark, AL 36360. Dy: (205) 255-2414. Res: (205) 774-4498. Dy: Pilot Cdr/Instructor Pilot, B Co, 1/212th Avn Regt, Ft. Rucker. Rig: AA IP. Time: 800 Hrs. Grad: Dec 85.

**MCKNIGHT, James W., Jr., (CPT/P) (M81)** (Jim) 3645 Stucky Road, Bozeman, MT 59715. Dy: (406) 994-5475. Res: (406) 994-2359. S: Ann. Dy: 4th ROTC Regt Mt St U. Rig: MAA SIP TP. Qual: AH-1S. Time: 4,050 Hrs./Cbt 1,085 Grad: Sep 70. AM/43 DFC/2.

**MCCLEAN, Michael J., (1LT) (M87) (Mike) A** Co, 1st MI Bn (AE), APO NY 09457. Dy: AV 337-5026/5208. Dy: Ft Pitt Ldr, Wiesbaden, FRG. Rig: AA. Time: 975 Hrs. Grad: Sep 87.

**MCMANON, Jeanette M., (CPT) (M83) 142** Cunningham Place, Clarksville, TN 37042. Dy: (502) 798-5761. Res: (615) 647-3014. S: Michael. Dy: C Co, 7-101 Avn Regt, Ft. Campbell. Rig: AA. Maint Crs: UH-1 CH-47D. Qual: CH-47D. Time: 600 Hrs. Grad: Dec 84.

**MCMANUS, Scott A., (CPT) (M86) 310** Melbourne Drive, Enterprise, AL 36330. Dy: (205) 255-4212. Res: (205) 347-4541. S: Melanie. Dy: Cdr, A Co, 1 Bn 212 Avn Bde, USAARVC. Rig: AA IP. Time: 1,000 Hrs. Grad: May 83.

**MCMICKLE, William D., (2LT) (M89) 1380** West Concord Drive, Clarksville, TN 37042. Dy: (615) 798-6463. Res: (615) 647-9849. S: Anna F. Dy: B Trp, 2/17th Cavalry. Rig: AA. Qual: AH-1S. Time: 225 Hrs.

**MCMILLIN, Joe L. J., (2LT) (M86) (Burt) 505** Briarwood, Apt. H-8, Enterprise, AL 36330. Dy: (205) 255-3311. Res: (205) 347-5917. Dy: E Co, 1/145 Avn, Ft. Rucker. Rig: AA.

**MCMULLEN, Joseph D., (1LT) (M86) (Willie)** Nelson 3507 B Hereford, Killeen, TX 76542. Dy: (817) 288-1009. Res: (817) 526-2058. S: Sade. Dy: Scout Plt Cdr, D Co, 227th Avn Regt, 1CD. Rig: AA. Time: 750 Hrs.

**MCNAMARA, Robert A., (CPT) (M85) 36** Camelot Apts, Dothan, AL 36303. Res: (205) 793-3553. Dy: Ft. Rucker A1 ATB. Rig: AA IP. Maint Crs: UH-1. Time: 1,350 Hrs.

**MCQUAIN, Paul M., (CPT) (M83) 4640 Beverly** Dr, Ne, Olympia, WA 98506. Dy: (206) 967-3909. Res: (206) 456-5354. S: Barbara. Dy: Cdr, D Co, 1/9 Avn Regt, Ft. Lewis. Rig: SAA TP. Maint Crs: CH-47B, CH-58A, C. Qual: CH-47B, CH-60A. Time: 1,200 Hrs. Grad: May 79.

**MCVEIGH, Joseph W., (CPT) (M84) 23 Oak** Ridge West, St. Peters, MO 63376. Dy: (314) 263-1310. Res: (314) 281-2955. S: Donna. Dy: Aero Engr, AVSCOM. Rig: SAA IP. Qual: UH-60A. Time: 2700 Hrs.

**MECHELS, Steven A., (1LT) (M87) 401 Decker,** Wichita, KS 67235. Dy: (913) 823-5031. Res: (316) 721-0311. Dy: D Co, 135 Avn KSARNG, Salina, KS. Rig: AA. Time: 340 Hrs. Grad: May 88.

**MEDLEY, Brent A., (2LT) (M87) (Smedley)** 1206 Bertrand, Apt. B, Manhattan, KS 66502. Dy: (913) 862-9151. Res: (913) 537-6800. Dy: Co A, 1/108th Avn Bn (1st Plt, Ft. Ldr), Topeka. Rig: AA. Time: 425 Hrs. Grad: Sep 87.

**MERKEL, Kenneth O., (1LT) (M86) 722 East** 50th Street, Savannah, GA 31405. Dy: (912) 352-6608. Res: (912) 355-1678. Dy: C Co, 5th Bn (ATK) 501st Avn Regt, Hunter AAF. Rig: AA. Qual: AH-1S. Time: 650 Hrs. Grad: Dec 86.

**MERROW, Jane, (CPT) (M85) (Old Town)** Square, Apt. 500, Daleville, AL 36322. Dy: (205) 255-4431. Res: (205) 598-4524. S: Glen. Dy: Student, Avn Ofc Adv Course, Ft. Rucker. Rig: AA. Time: 463 Hrs.

**MERTINS, Michael D., (CPT) (M89) 103 Edin-** burgh Drive, Enterprise, AL 36330. Res: (205) 347-3536. S: Cheri. Dy: Advance Course Grad, UH-60 IP, 1-223d Avn Regt, Ft. Rucker. Rig: AA IP. Maint Crs: UH-60. Qual: UH-60A. Time: 700 Hrs.

**MIDDLETON, Steven A., (CPT) (M83) (Steve)** Capt 3, APO San Francisco 96301-0040. S: Stephanie. Dy: Cdr, HHD, CSCT-3, Yonkers, NY. Rig: AA. Qual: AH-1S. Time: 730 Hrs. Grad: Apr 83.

**MILLARD, Christine J., (2LT) (M89) 719 Mat-** thews Avenue, Ozark, AL 36360. Dy: (205) 255-3311. Res: (205) 774-3949. S: Donald. Dy: E Co, 1-145th Avn Regt, Ft. Rucker. Rig: AA.

**MILLER, Christopher, (CPT) (M86) (Toher)** 7463 Towchester Court, Alexandria, VA 22310-3637. S: Corinna Sue. Dy: Rotary Wing ID Maint Ofc, Davidson AAF, Ft. Belvoir. Rig: AA TP. Maint Crs: UH-1. Qual: CH-47D. Time: 800 Hrs. Grad: Jul 83.

**MILLER, Edwin C., (CPT) (M88) (Ed) 1233** Preswick Circle, Harker Heights, TX 76543. Dy: (817) 287-2400. Res: (817) 698-2324. S: Susie. Dy: Co Cdr, HHC, 2-58 Avn Regt (ATC), Ft. Hood. Rig: AA. Maint Crs: UH-1. Time: 525 Hrs.

**MILLER, James C., (CPT) (M88) (Chris) 37** Olsen Lane, Fort Rucker, AL 36362. Dy: (205) 255-5820. Res: (205) 598-2866. S: Sue Ellen. Dy: HHD, 1/223 Avn. Rig: AA IP. Maint Crs: UH-1. Qual: UH-60A. Time: 1,400 Hrs.

**MILLER, Jon C., (CPT) (M85) HSC, 3rd MI Bn** (AE), Box 703, APO San Francisco 96271-0154. Dy: 82-753-9304. Res: 82-753-9394. Dy: Asst S-4, Camp Humphreys, Korea. Rig: AA. Qual: UH-1. Time: 1,910 Hrs. Grad: Feb 86.

**MINADEO, Gary A., (CPT) (M83) (Gary) 9200** North Plaza, Apt. 201, Austin, TX 78753. Res: (512) 866-8626. S: Elisha. Dy: Graduate Student, University of Texas, USAUSD, Ft. Benjamin Harrison. Rig: AA. Qual: UH-58D. Time: 990 Hrs. Grad: Feb 81.

**MISNER, Jeffrey L., (CPT) (M83) 511E Alex-** ander Place, West Point, NY 10996. Dy: (914) 938-4811. Res: (914) 446-6482. S: Erin. Dy: Math Instr. Rig: SAA. Qual: AH-1S. Time: 1,200 Hrs./Cbt 27 Grad: Aug 80. AM/1.

**MITCHELL, Max H., (CPT) (M80) 6946** Brockwood Street, Fayetteville, NC 28314. Dy: (919) 396-8583. Res: (919) 867-9313. S: Kendra. Dy: Adj, 82d Avn Bde. Rig: AA TP.

Qual: AH-1S AH-64. Time: 1,050 Hrs. Grad: Jun 81.

**MIZE, James D.,** (CPT) (M87) (Jim) P.O. Box 163, APO New York 09185-2213. S: Sharon. Dy: HHC, 3-4 Avn Regt, Fintin, AAF. Rtg: AA TP. Qual: AH-1S. Time: 713 Hrs. Grad: May 81.

**MONTMANN, James E.,** (CPT) (M82) 4119 Beechmont Lane, Durham, NC 27707. Res: (919) 493-3354. S: Katherine. Dy: Instr. USMA. Rtg: AA. Qual: AH-1S. Time: 700 Hrs. Grad: Sep 82.

**MOLINELLI, David L.,** (CPT) (M84) 2801 Nisqually View Pl NE, Olympia, WA 98506. Dy: (206) 967-7132. Res: (206) 456-8132. S: Tammy. Dy: Cdr. C Trp, 1-9 Cav, Ft. Lewis. Rtg: AA. Qual: AH-1S. Time: 750 Hrs. Grad: Apr 87. Past VP, Redcatcher Chapter.

**MOLONEY, Michael C.,** (1LT) (M87) (Mike) Box 99, 225th GSAC, APO New York 09182. Dy: ETS 352-7458. Res: 09-366-1023. Dy: Battalion S-2, Task Force 23, Giebelstadt, Germany. Rtg: AA. Time: 525 Hrs. Grad: Jul 87.

**MONAGLE, Daniel J.,** (CPT) (M84) R Trp, 4th Sgdn 11th ACR, APO NY 09146. Dy: R Trp Cdr, Fulda, FRG. Rtg: AA. Qual: AH-1S. Time: 900 Hrs. Grad: Sep 85.

**MOONEY, William K.,** (1LT) (M87) 1436-B Werner Park, Fort Campbell, KY 42223. Dy: (502) 798-3286. Res: (615) 431-4277. Dy: B Trp, 217th Cav, Ft. Campbell. Rtg: AA.

**MOORE, Bruce,** (CPT) (M83) P.O. Box 5680, Fort Hood, TX 76544. Dy: (817) 288-3893. Res: (817) 699-2637. Dy: Cdr, D Co (AVUM) 3d Bn, 1st Avn, APACHE Trng Bde. Rtg: AA TP. Maint Crs: UH-60. Qual: UH-60A. Time: 680 Hrs.

**MOORE, Chris,** (1LT) (M86) 3701 Pilgrim, Killeen, TX 76543-5263. Dy: (817) 287-3187. Res: (817) 690-6305. S: Terry Sue. Dy: Pil Dr, 2175th CAC, 215th Avn Regt, 6CB (AC), Ft. Hood. Rtg: AA.

**MOORE, David R.,** (CPT) (M85) 555 Buckeye Lane, Clarksville, TN 37042. S: Laura A. Dy: 1-101 AHB, Ft. Campbell, KY. Rtg: AA. Qual: AH-1S AH-64. Time: 80 Hrs. Grad: Feb 85.

**MOORE, Edmund C.,** (CPT) (M89) (Ned) P.O. Box 698, Fort Campbell, KY 42223. Dy: (502) 798-6002. Res: (615) 552-8042. Dy: Asst S-3, Trng, Avn Bde, 101st Avn Regt (AASLT), Ft. Campbell. Rtg: AA. Qual: UH-60A. Time: 750 Hrs.

**MOORE, Greta Lynne,** (CPT) (M82) A Co, 7-15th Avn Regt., SFTS DET, Box 36, APO New York 09140. S: Dwight. Dy: Systems Repair Platoon Ldr, Storck Bks. FRG. Rtg: AA TP. Maint Crs: UH-1 UH-60. S: Cdr. Mil. Qual: UH-60A. Time: 650 Hrs. Grad: Oct 81.

**MOORE, Laura,** (CPT) (M87) 555 Buckeye Lane, Clarksville, TN 37042. S: Dave. Dy: 6-101st Avn Regt, Ft. Campbell, KY. Rtg: AA. Qual: OH-58A UH-1. Time: 500 Hrs.

**MOORE, Michael B.,** (CPT) (M87) HHT 517th Cavalry, APO San Francisco 96251. Dy: AV 734-2852. Res: AV 734-2897. S: Betsy. Dy: Sgdn S-4, 517th Cav. Rtg: AA. Qual: AH-1S. Time: 220 Hrs. Grad: Nov 87.

**MOORE, Steven D.,** (CPT) (M85) 493 Winchester Drive, Watsonville, CA 95076. S: Maryjon. Dy: Naval Post Grad Schl, Monterey. Rtg: SAA. Qual: AH-1S. Time: 1,280 Hrs. Grad: Jul 81.

**MOORE, Wayne A.,** (CPT/P) (M85) (WAM) 430 Cook Drive, Clarksville, TN 37042. Dy: (509) 798-6561. Res: (615) 553-0005. S: Cynthia.

## M Aviation Officer Directory

Dy: Bn S-3, HHC 6-101 Avn Regt. Rtg: AA. Qual: UH-60A. Time: 1,250 Hrs. Past Sec, Air Assault Chapter.

**MOORE, William P.,** (CPT) (M87) (Bill) University of S. Alabama, Mobile, AL 36608. Dy: (205) 460-6341. S: Beabe. Dy: ROTC, Univ of S. Al. Rtg: AA IP. Maint Crs: UH-1. Time: 1,399 Hrs. Grad: May 82.

**MORCOMB, Scott R.,** (1LT) (M87) 101 St. George Blvd., No. 107, Savannah, GA 31419. Res: (912) 925-2864. S: Janna. Dy: HSC XO 224th MI Bn (AE), Hunter AAF. Rtg: AA. Qual: FW. Time: 750 Hrs. Grad: Feb 88.

**MORELLI, Mark D.,** (2LT) (M88) 108 Colony Dr., No. 10, Enterprise, AL 36330. Dy: (205) 255-3311. Res: (205) 393-3422. Dy: E/1-15th. Rtg: AA. Qual: AH-1S. Time: 150 Hrs. Grad: Jul 89.

**MORGAN, Robert P.,** (CPT/P) (M82) (Bob) A Co, MI Bn (LI), APO Miami 34042-8000. Res: (813) 625-2077. Dy: Bn S-3, Palmerola Abn, Honduras. Rtg: SAA. Qual: RC-120, G. Time: 2,000 Hrs. Grad: Jul 80. Past VP, Stuttgart Chapter.

**MORGAN, Terry V.,** (1LT/P) (M88) 717 Crestwood Drive, Apt. 11, Manhattan, KS 66502. Dy: (913) 239-3863. Res: (913) 776-9317. S: Deirdre. Dy: Target Acquisition Plt Ldr, D Co, 1st Avn Regt, Ft. Riley. Rtg: AA Pilot. Maint Crs: OH-58D AHP. Time: 510 Hrs. Grad: Mar 87.

**MORTON, Sanford,** (CPT) (M84) (Chip) 206 Allegheny Drive, Enterprise, AL 36330. Dy: (205) 255-3344. Res: (205) 347-2854. S: Jackie. Dy: Plt Ldr, B Co, 2/501st Avn. Rtg: AA. Qual: CH-47D. Grad: Jun 84.

**MORZANO, Gregory S.,** (2LT) (M88) 505 Briarwood Court, Apt. J7, Enterprise, AL 36330. Res: (205) 347-7455. Dy: IERW Student, E Co, 1-145 Avn. Rtg: AA.

**MOUNT, David M.,** (1LT) (M87) (Dave) B Co 2/159 Avn Regt, Hunter AAF, GA 31409. S: Susan. Dy: CH-47 Pilot. Rtg: AA. Qual: CH-47D. Time: 200 Hrs. Grad: Jun 87.

**MUDD, Michael G.,** (CPT) (M86) 53 Kirby Street, Fort Rucker, AL 36362. Dy: (205) 558-4086. Res: (205) 598-3382. S: Debbie. Dy: Company Cdr, F Co, 1-14th Avn. Rtg: AA IP. Maint Crs: CH-47 UH-1. Qual: CH-47D. Time: 920 Hrs. Grad: Jan 83.

**MUDDO, John T.,** (CPT) (M87) (Mud) 110 Pinecrest Loop, Enterprise, AL 36330. Dy: (205) 255-4171. Res: (205) 393-2653. S: Letitia. Dy: R&D Staff Off, Test/Eval Div, Ft. Rucker. Rtg: AA IP. Maint Crs: UH-1H. Time: 1,600 Hrs. Grad: Aug 82.

**MUHL, Gerald M.,** (2LT) (M89) (Gerry) 309 Green Street, Athens, GA 35611. Dy: (205) 255-4401. Res: (205) 598-8517. S: Deborah. Dy: D Co, 83d Bn, Redstone Arsenal. Rtg: AA.

**MURRAY, Barry G.,** (CPT) (M85) (Barry) 1109 186 Street Court E., Spanaway, WA 98387. S: Peggy. Dy: Co Cdr, UH-60 Co, B Co, 9th Avn Regt, Ft. Lewis. Rtg: AA. Qual: UH-60A. Time: 700 Hrs. Grad: Apr 86.

**MYERS, Earl C., II,** (CPT) (M87) U.S. Army PEP, Box X23, APO New York 09150. S: Val. Dy: US Army Personnel Exchange Officer, 670

Sgdn, Army Air Corps Ctr. Rtg: SAA IP. Maint Crs: UH-1H. Qual: AH-1S. Time: 1,600 Hrs. Grad: Oct 81.

## NNNNNNNNNN

**NAGEL, Joseph R.,** (1LT) (M87) (Joe-Bob) 207th Avn Co, Box 218, APO New York 09102-5000. Dy: ETS 370-8990. S: Kathy. Dy: 207th Avn Co, Heidelberg, Germany. Rtg: AA. Time: 700 Hrs. Grad: Jan 89.

**NAPIER, Edward P. Jr.,** (CPT) (M85) (Butch) 136 Burbank Boulevard, Savannah, GA 31419. Dy: (912) 352-8644. Res: (912) 925-0828. S: Phyllis. Dy: S-3 Victory Bde, Hunter AAF. Rtg: MAA SIP. Maint Crs: UH-1 UH-60. Qual: UH-60A. Time: 4,100 Hrs./Cot 919 Grad: Mar 67. AM/21.

**NEAL, Gordon S.,** (CPT) (M81) (Scott) P.O. Box 71441, Fort Bragg, NC 28307-1441. Dy: (919) 432-7771. Res: (919) 822-6811. S: Sandy. Dy: S4, 2/82d Avn Bde, 82d Avn Div. Rtg: AA. S: Cdr. Mil. Qual: UH-60A. Time: 540 Hrs. Grad: Oct 81.

**NEELY, James P.,** (CPT) (M78) (Irish) 4810 84th Avenue, West, Tacoma, WA 98467-1820. Dy: (206) 967-4913. Res: (206) 564-1752. S: Susan Dawn. Dy: Trp Cdr, E Trp (AVUM), 1-9 Cav, Ft. Lewis. Rtg: SAA TP. Maint Crs: UH-1. Qual: UH-60A. Time: 1,600 Hrs. Grad: Jun 79.

**NEILL, Andrew L.,** (CPT) (M87) (Charger) 20380 Amanda Court, Colorado Springs, CO 80908. Dy: (805) 277-4643. Dy: Student, Navy Tpt Schl, Patuxent River NAS, Md. Rtg: MAA IFE SIP. Qual: AH-1S. Time: 5,300 Hrs./Cot 1,359 Grad: Aug 69. AM/28.

**NEILSON, Robert D.,** (CPT) (M82) (Bob) P.O. Box 3847, Fort Stewart, GA 31314-3847. Dy: (912) 767-8145. S: Lisa. Dy: E/4, HHC, DISCOM, 24th ID (Mech), Ft. Stewart. Rtg: AA TP. Maint Crs: UH-1. Time: 700 Hrs. Grad: Apr 82.

**NELSON, Eric M.,** (CPT) (M85) 104 Hudson Court, Ozark, AL 36360. Dy: (205) 255-5020. Res: (205) 774-6055. S: Kathy. Dy: UH-60 Project Officer, Directorate of Combat Developments. Rtg: AA. Qual: UH-60A. Time: 1,200 Hrs. Grad: Dec 83.

**NELSON, Michael S.,** (CPT) (M82) (Mike) 3523 Worley St., Fayetteville, NC 28311. Dy: (919) 432-7770. Res: (919) 822-2474. S: Katie. Dy: HHC 1/82 Avn Bde, Ft. Bragg. Rtg: AA. Qual: UH-60A. Time: 1,000 Hrs. Grad: Oct 82.

**NELSON, Randy C.,** (CPT) (M85) 5/6 Cavalry, Wiesbaden, APO New York 09457. S: Woni. Dy: Trp Cdr, Wiesbaden, FRG. Rtg: SAA IP. Qual: AH-1S AH-64A. Time: 2,100 Hrs.

**NELSON, Robert K.,** (2LT) (M85) 15910 York Road, Sparks, MD 21152. Res: (301) 472-9385. Dy: HHC, 29th Avn Bde, MDARNG. Rtg: AA. Qual: UH-1H. Time: 300 Hrs.

**NELSON, Rockney T.,** (CPT) (M86) (Rocky) C Co, 1st Bn (Atk), 2nd Aviation Regt., APO San Francisco 96524-0253. S: Jacqui. Dy: Cdr. Rtg: AA. Qual: AH-1S. Time: 1,000 Hrs. Grad: Mar 84.

**NETHERLAND, Scott F.,** (CPT) (M83) 2208 Crowspoint Drive, Austin, TX 78748. Dy: (512) 471-6065. Res: (512) 282-8156. S: Jacque. Dy: USA Student Detach, Univ of Tx/Austin. Rtg: AA. Qual: UH-60A. Time: 1,250 Hrs. Grad: Dec 83.

**NIELEN, Richard H., (CPT) (M80)** (Rich) 733-058 Willow Lake Cir., Virginia Beach, VA 23452. Dy: (804) 464-8297. Res: (804) 486-8513. Dy: Amphibious Group Two, Norfolk. Rtg: SAA. Qual: AH-1S. Time: 1,250 Hrs. Grad: Jan 80.

**NIIT, Donald R., (2LT) (M89)** 506 Livingston Street, Daleville, AL 36322. Dy: (205) 255-3160. Res: (205) 598-8584. Dy: E-1-145 Avn. Ft. Rucker. Rtg: AA.

**NOEGEL, David E., (2LT) (M88)** 1040 Woodview Drive, Ozark, AL 36360. Dy: (205) 255-3311. Res: (205) 774-1066. Dy: OBC/Ft School, E-1-145 Fort Rucker. Rtg: AA. Maint Ctr: UH-1. Time: 90 Hrs.

**NORRIS, Keith S., (CPT) (M82)** 201 Candlewood Drive, Enterprise, AL 36330. Dy: (205) 255-3160. Res: (215) 393-2997. S: Pamela E. Dy: Chief, Officer Mgmt Branch, USAAVNC. Rtg: AA IP. Time: 1,500 Hrs. Grad: Oct 82.

**NORTHROP, Kurt R., (CPT) (M87)** 3539 Rolls Avenue, Fayetteville, NC 28301. Dy: (919) 432-6098. Res: (919) 488-4409. S: Carol S. Dy: Adjutant S-1, HHC 1/82 Avn. Rtg: AA. Qual: UH-60A. Time: 500 Hrs. Grad: May 84.

**NORVELL, Harlow W., (CPT) (M83)** 1421 Kingsley Lane, Carson City, NV 89701. Dy: (702) 677-5223. Res: (702) 883-7410. S: Cindy. Dy: Cdr 1150th Med Det (AH-Arm), 1/113th Avn. Rtg: AA TP. Maint Ctr: UH-1 CH-54. Time: 2,000 Hrs. Grad: May 83.

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**O'BRIEN, Janice M., (CPT) (M85)** (Jan) 18 Simpson Drive, Daleville, AL 36322. Dy: (205) 255-3341. Res: (205) 598-4927. Dy: AVOAC 89-3. Ft. Rucker. Rtg: AA. Qual: UH-60A. Time: 600 Hrs. Grad: Sep 85.

**O'BRIEN, Thomas J., (CPT/P) (M82)** (OB) 4901 Dusty Dawn, Corpus Christi, TX 78413. Dy: (512) 939-2434. Res: (512) 994-1813. S: Ale. Dy: Avn Maint Off, CCAD. Rtg: SAA TP. Maint Ctr: UH-1. Qual: UH-60A. Time: 1,100 Hrs. Grad: Sep 81.

**OGLE, Jack T., (1LT) (M85)** (Jack) 521 Mountain Sunrise Pl., Tucson, AZ 85704. Dy: (602) 624-7514. Res: (602) 742-0167. S: Diane. Dy: Ft Cdr AZNG WAATS Marana. Rtg: SAA IP. Qual: AH-1S. Time: 5,000 Hrs. Grad: Dec 76. SRVP, Old Tucson.

**OGLESBEE, David L., (CPT) (M87)** 7 Whittington Court, Savannah, GA 31419. Dy: (912) 352-6406. Res: (912) 925-3365. S: Linda. Dy: Cdr, HSC 1/24 Avn Regt, Hunter AAF. Rtg: AA. Qual: UH-60A. Time: 1,050 Hrs. Grad: May 85.

**OLIVER, Terence B., (CPT) (M87)** (Terry) 9 Markham, Fort Bragg, NC 28307. Dy: (919) 236-5085. Res: (919) 436-5313. S: Sukl. Dy: Opns Officer, HHC XVIII Abn Corps. Rtg: SAA. Time: 1,005 Hrs. Grad: Oct 80.

**OLLSTEIN, Bruce W., (1LT) (M88)** 505 Mail Boulevard, Apt. 319, Savannah, GA 31406. Dy: (912) 352-6919. Dy: Pitt Ldr, Observation Plt, Hunter Army Airfield, Savannah. Rtg: AA. Time: 900 Hrs. Grad: Jul 87.

**OLSON, Dennis M. Jr., (CPT) (M84)** 406 Ernest, Deridder, LA 70634. Dy: (318) 535-4534. Res: (318) 463-9602. S: Valerie G. Dy: Attack Co Cdr, B Co, 1-5 Avn Regt, Fort Polk. Rtg: AA. Qual: AH-1S. Time: 825 Hrs. Grad: Dec 83.

## Aviation Officer Directory

**OLSON, Keith E., (2LT) (M88)** 505 Briarwood, Apt. M3, Enterprise, AL 36330. Dy: (205) 255-3311. Res: (205) 347-0436. Dy: Ft School, E-1-145 Avn. Ft. Rucker. Rtg: AA.

**O'NEIL, Timothy J., (CPT) (M85)** (T.J.) 507 Briarwood, Apt. 16A, Enterprise, AL 36330. Res: (205) 393-6231. S: Jeannene. Dy: Avn Adv Course, Ft. Rucker. Rtg: AA. Maint Ctr: UH-1. Time: 580 Hrs. Grad: Jan 86.

**OPENSHAW, Shane T., (1LT) (M87)** 11400 White Bluff Road, Apt. 45, Savannah, GA 31419. Dy: (912) 352-5887. Res: (912) 925-1096. S: Suzanne. Dy: Exec Ofcr, B Co, 3d Bn (Prov) 24th Avn Regt, Hunter AAF. Rtg: AA. Qual: UH-60A. Time: 650 Hrs. Grad: Sep 87.

**O'SHEA, Barry M., (CPT) (M86)** HHC, 4/159 Aviation, Box 678, APO New York 09359. S: Sarah. Dy: Bn Ft Opns Off, Stuttgart AAF. Rtg: AA. Time: 700 Hrs. Grad: Jan 86.

**OTT, Rosanne F., (2LT) (M88)** 103 Springdale Ave., Apt. 2B, Enterprise, AL 36330. Dy: (205) 255-3311. Res: (205) 347-6426. Dy: E Co, 1-145 Avn. Ft. Rucker. Rtg: AA.

**OWEN, Edward H., (CPT) (M83)** (Ed) 4712 Sequoia Drive, Columbus, GA 31909-3425. Dy: (404) 544-2303. Res: (404) 569-0928. S: Elizabeth. Dy: Chief Avn Mgt, Lawson Army Airfield, Ft Benning. Rtg: SAA. Maint Ctr: UH-1. Qual: UH-60A. Time: 1,500 Hrs. Grad: Jul 82. Past Trea, Follow Me Chapter.

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**PACE, Alva L., (CPT) (M87)** (Big Al) 1805 Kingswood Drive, Killeen, TX 76543. Dy: (817) 287-8156. Res: (817) 699-0302. Dy: B Co, 2/158th Avn Regt, 6th Cav Bde (AC) Ft. Hood. Rtg: AA. Qual: CH-47D. Time: 975 Hrs. Grad: Feb 83.

**PALMA, Randy M., (1LT) (M86)** (R.P.) 2124 Boston Terrace, Colorado Springs, CO 80904. Dy: (303) 340-9846. Res: (719) 473-8273. S: Teri. Dy: Aeroscout Plt Ldr. Rtg: AA. Qual: AH-1S. Time: 540 Hrs. Grad: Sep 87.

**PAQUETTE, Derek J., (CPT) (M83)** 27 Fowler Lane, Fort Rucker, AL 36362. Dy: (205) 255-3551. Res: (205) 598-2429. S: Kathy. Dy: Pitt Cdr, D Co, 1-14th Avn. Avn Tng Bde, Ft. Rucker. Rtg: AA IP. Qual: AH-1S AH-64. Time: 1,300 Hrs. Grad: Dec 83.

**PARKER, David K., (CPT) (M81)** (Dave) 300 Greenwood Avenue, Apt. D-6, Clarksville, TN 37040. Dy: (502) 798-3318. Dy: 4-101 Bn, Co C Cdr. Rtg: SAA IP. Qual: UH-60A. Time: 3,250 Hrs. Grad: Nov 80.

**PARKER, Thomas O., (CPT) (M86)** (Tom) B Co, 6/158 Aviation Rgt, Box 91, APO New York 09185-4050. Dy: 6121-785477. Res: 6121-712919. S: Trina. Dy: Cdr, Wiesbaden Air Base, Wiesbaden, FRG. Rtg: AA. Qual: CH-47D. Time: 800 Hrs. Grad: Aug 85.

**PARKS, Wayne A., (CPT) (M85)** C Trp, 2/6 Cav, Box 059, APO NY 09140. Dy: 08841-834674-783. Res: 08841-1369. Dy: Trp Cdr, C Trp, 12-6 Cav, Wiesbaden, West Germany. Rtg: AA. Qual: AH-1S AH-64A. Time: 1,000 Hrs.

**PARRISH, Mark A., (1LT) (M88)** (Mark) 4800 Cedarhill Circle, Apt. B, Killeen, TX 76543. Dy: (817) 288-3675. Res: (817) 699-4189. S: Allison. Dy: XO, Hqs & Hqs Co, APACHE Trng Bde, Ft. Hood. Rtg: AA. Qual: AH-64A. Time: 250 Hrs.

**PARRISH, Michael D., (1LT) (M85)** 1103 Rosebrook Drive, Clarksville, TN 37042. Dy: (502) 798-5410. Res: (615) 552-0417. S: Judy. Dy: Bn Adjutant, Ft. Campbell. Rtg: AA. Qual: AH-1S. Time: 850 Hrs. Grad: Aug 86.

**PASCO, Michael H., (1LT) (M87)** 5th Avn Det, APO NY 09145. Dy: Exec Ofcr, 5th Avn Det, The Netherlands. Rtg: AA.

**PATE, David S., (CPT) (M86)** (Spook) 1230 N. Frace, Tacoma, WA 98406. Dy: (206) 967-5991. Res: (206) 759-3347. S: Debbie. Dy: Secretary Of General Staff, 4th ROTO Region, Hq. Ft. Lewis. Rtg: AA. Qual: AH-1S. Time: 530 Hrs. Grad: Mar 84.

**PATRICK, John V., (1LT) (M85)** (JP) 109 E. Birch Hill Road, No. 3, Fairbanks, AK 99712. Dy: (907) 353-7064. Res: (907) 457-5703. Dy: Ft. Wainwright, AK. Rtg: AA.

**PATTERSON, Mark C., (1LT) (M88)** A Company, 5/159th Aviation, APO New York 09025. Dy: 426-4655. Res: 0791-2636. S: Deanna. Rtg: AA. Qual: CH-47D. Time: 350 Hrs. Grad: Mar 88.

**PATTON, Scott E., (CPT) (M81)** 3403 Prince George, San Antonio, TX 78230. Res: (512) 696-2445. S: Pamela. Dy: Student, AH-64 Qual Ctr, Ft. Rucker. Rtg: AA. Time: 930 Hrs. Grad: Oct 80.

**PAYNE, Kim D., (2LT) (M88)** 1158 Woodbridge Drive, Montgomery, AL 36116. Res: (205) 281-7100. S: Sheila. Dy: Section Ldr, 1/33 Med Co (AA). Rtg: AA. Time: 200 Hrs. Grad: Apr 89.

**PEARMAN, Gerald M., (1LT) (M86)** P.O. Box 60982, Savannah, GA 31420. Dy: Pitt Ldr AH-1, 2-4 Avn Regt, Hunter Army Airfield, Ga. Rtg: AA. Qual: AH-1S AH-64A. Time: 440 Hrs. Grad: Jul 87.

**PEELE, Loren D., (CPT/P) (M80)** 710 S. 141st Street, Tacoma, WA 98444. Dy: (206) 967-3776. Res: (206) 536-0777. S: Linda. Dy: Cdr, A/2-9 Avn Regt, Fort SAA TP. Maint Ctr: UH-1 UH-60. Qual: UH-60A. Time: 1,400 Hrs. Grad: Jan 80.

**PELLETIER, Robert M., (CPT) (M84)** 6910 Hampton Way, M-12, Columbus, GA 31907. Dy: Cdr, HSC 1-227, Ft. Hood. Rtg: AA. Qual: UH-60A. Time: 530 Hrs. Grad: Mar 86.

**PERKINS, Jeffery A., (CPT) (M85)** (Perky) 100-B Lawton NBU 30-B, Ft. Huachuca, AZ 85613. Dy: (602) 458-8191. S: Jill. Dy: MI Officers Adv Course, Ft. Huachuca. Rtg: AA. Maint Ctr: UH-1 OH-58. Time: 750 Hrs. Grad: Jan 86. Past Sec, Stuttgart Chapter.

**PERRIN, Mark W., (CPT) (M85)** (Doc) 2006 Newton Road, Hampton, VA 23663. Res: (804) 851-7736. S: Annie. Dy: HQDA, DCOSPS, Pentagon, Washington D.C. Rtg: AA. Maint Ctr: UH-1. Time: 1,000 Hrs. Grad: Mar 85.

**PERRY, Billy C., (1LT) (M89)** 138-C West Concord Drive, Clarksville, TN 37042. Dy: (502) 798-9309. Res: (615) 552-3967. Dy: C 3/01 Avn. Ft. Campbell. Rtg: AA. Qual: AH-1S. Time: 250 Hrs. Grad: Dec 88.

**PERRY, Kenneth J., (CPT) (M85)** (K.P.) 78th Avn Bn (P), Box 19, APO San Francisco 96343-0084. Dy: Japan 233-4243/4284. Res: Japan 233-6622. S: Deborah. Dy: HSC, Cdr,

78th Avn Bn (P), Camp Zama, Japan. Rtg: AA. Qual: UH-60A. Time: 1,600 Hrs. Grad: Aug 84.

**PETE, Jeffrey**, (CPT/P) (M85) 838 Elliott Drive, Bel Air, MD 21014. Dy: (301) 278-4674. Res: (301) 836-8258. S: Marcia. Dy: Test Project Ofcr, C-17/LHX, APG, HQ TCOM. Rtg: SAA IP. Qual: AH-1S UH-60A. Time: 1,580 Hrs. Grad: Sep 73.

**PETERSON, Bradley G.**, (CPT) (M86) HHC, USAISEC-EUR, Box 224, APO New York 09056. Dy: ETS 383-7086. S: Sharon. Dy: Plans Officer, Ops Div, USAISEC-EUR, Worms, Germany. Rtg: SAA IP. Maint Ctr: OH-58. Time: 2,700 Hrs.

**PETERS, Donald L. Jr.**, (CPT) (M84) 4219 B Calle Barona, Sierra Vista, AZ 85635. S: Donna. Dy: Student, Mil Advanced Course. Rtg: AA. Maint Ctr: UH-1H. Time: 750 Hrs.

**PETERSON, Richard P.**, (1LT) (M88) (Pete) A Co, 2/4th Avn, APO NY 09185. Dy: 06131-469-773. Res: 06131-384805. S: Kerry B. Dy: Pitt Ldr, OH-58C Scout Plt, Mainz-Finthen, FRG. Rtg: AA. Time: 400 Hrs. Grad: May 88.

**PETRIK, Gregory D.**, (CPT) (M88) P.O. Box 524, Springfield, SD 57062. S: Barbara. Dy: AQAC, Ft. Rucker, AL. Rtg: AA. Time: 1,300 Hrs. Grad: Dec 85.

**PETRING, Michael B.**, (CPT) (M86) (Mike) A Company, 2-4 Aviation, APO New York 09185. Dy: A Co, 3-4 Avn, Finthen, AAF FRG. Rtg: AA. Time: 665 Hrs.

**PETTY, Frank S.**, (CPT/P) (M80) 2022 Encino Belle, San Antonio, TX 78259. Dy: (817) 280-6917. Res: (817) 472-6619. S: Beth. Dy: Trng With Industry, Bell Hqtr, Ft. Worth. Rtg: SAA TP. Maint Ctr: UH-1 CH-47. Qual: CH-47. Time: 1,050 Hrs. Grad: Apr 79. Past Treas, Rhine Valley Chapter.

**PHANEUF, Alan M.**, (CPT) (M88) HHC, 7-159 Avn Regt, Box 703, APO NY 09061. Dy: 421-6269. S: Carol. Dy: Cdr, HHC, 7-159 Avn Regt, Neillingen, FRG. Rtg: AA TP. Maint Ctr: AH-1. Qual: AH-1S. Time: 785 Hrs. Grad: Dec 83.

**PHILBIN, Michael C.**, (2LT) (M89) (Galvano) 56 Forest Park Apts., Enterprise, AL 36330. Dy: (205) 255-3311. Res: (205) 393-4967. Dy: E Co, 1-145 Avn, Ft. Rucker. Rtg: AA.

**PHILLIPS, Chris A.**, (CPT) (M88) 59 Boyce Lane, Fort Rucker, AL 36362. Dy: (205) 255-6403. Res: (205) 598-6633. S: Lisa. Dy: Cdr, B 1-11 Avn. Rtg: AA. Qual: UH-60A. Time: 887 Hrs. Grad: Oct 81.

**PHILLIPS, G. Dexter**, (CPT) (M85) RR 1, Box 134, Daleville, AL 36322. Dy: (205) 598-2802. S: Christie. Dy: F Co, 1-13th Avn Regt, Ft. Rucker. Rtg: AA. Time: 930 Hrs.

**PHILLIPS, Richard T.**, (1LT) (M85) (Rich) 5670-2 Large St, Fort Hood, TX 76544. Dy: (817) 288-9124. Res: (817) 539-5334. S: Joyce A. Dy: 3/507th Med Co (AA), 13th COSCOM. Rtg: AA.

**PICCOLO, John D.**, (2LT) (M88) P.O. Box 811, Fort Rucker, AL 36362. Dy: (205) 226-3311. Res: (205) 598-2687. S: Molly. Dy: Ft School, E Co, 1-145 Avn. Rtg: AA.

**PIERCE, John M.**, (CPT) (M78) (Mike) RD 1, Box 744, Beaver Dams, NY 14812. Res: (807) 862-6372. S: Maureen. Rtg: AA TP. Maint Ctr: UH-1 UH-60. Qual: UH-60A. Time: 710 Hrs. Grad: Apr 77.

## P Aviation Officer Directory

**PIERCE, William A.**, (CPT) (M82) (Bill) 4308 29th Ave. SE, Lacey, WA 98503. Dy: (206) 967-7929. S: Sue. Dy: Co Cdr, C Co 2-9 Avn Regt, Ft. Lewis. Rtg: AA. Qual: UH-60A. Time: 650 Hrs. Grad: Mar 83.

**PIERSANTE, Michael P.**, (CPT) (M86) (Mike) 2184 Winteressa Lane, Springfield, VA 22152-3841. Dy: (703) 664-2019. Res: (703) 866-0998. S: Mary Ellen. Dy: Davison Avn Cndt, Ft. Belvoir. Rtg: AA. Maint Ctr: UH-1 FW. Time: 1,300 Hrs. Grad: Jul 83.

**PINIGIS, Dennis J.**, (CPT) (M87) 102 Pineleaf Circle, Enterprise, AL 36330. Dy: (205) 255-5987. Res: (205) 393-2941. S: Kyung. Dy: A/1-14th Avn, Ft. Rucker. Rtg: AA IP. Maint Ctr: AH-1. Qual: AH-1S. Time: 900 Hrs. Grad: Dec 85.

**PITT, Gregory L.**, (CPT/P) (M82) (Ace) OMC Somalia, Mogadishu, DGS, Washington, DC 20520-2360. S: Cindy. Dy: C-12 Embassy Pilot, American Embassy, Somalia, Africa. Rtg: SAA. Maint Ctr: UH-1 FW. Time: 1,600 Hrs. Grad: Apr 81.

**POLANOWICZ, John W.**, (CPT) (M87) 1021 Polk St., No. 10, Salinas, CA 93906. Dy: (408) 242-5033. Res: (408) 449-3814. S: Kathleen. Dy: Co Cdr, B/3-123 Avn Regt, CAB Ft. Ord. Rtg: AA. Qual: UH-60A. Time: 980 Hrs. Grad: Jan 85.

**POLCZYNSKI, Richard L.**, (CPT) (M82) 700 Cayce Drive, Clarksville, TN 37042. Dy: (502) 798-5717. Res: (615) 352-1512. S: Cassandra. Dy: B Co, 7th 101st Avn Regt, Ft. Campbell. Rtg: AA. Qual: CH-47D. Time: 1,200 Hrs. Grad: Feb 81.

**POLLARD, Wayne A.**, (CPT) (M89) 13 Donovan Lane, Fort Rucker, AL 36362. Res: (205) 598-2140. S: Sherry. Dy: Directorate of Avn Propensity, Ft. Rucker. Rtg: AA. Qual: AH-1S.

**POLSON, John D.**, (CPT/P) (M84) (Doug) 2610 Phyllis Drive, Copperas Cove, TX 76522. Dy: (817) 288-3525. S: Kim. Dy: S-33/1 ATB. Rtg: AA. Qual: AH-1S AH-64A. Time: 100 Hrs. Grad: Oct 89.

**PONCE, Joseph A.**, (LT) (M89) 377 Medical Company, P.O. Box 272, APO San Francisco 96301. Dy: 41-6362. Dy: 377th Med Co Air Ambulance, Seoul Airbase (K-16), Korea. Rtg: AA. Qual: UH-60A. Time: 300 Hrs.

**POOLE, Erik K.**, (2LT) (M89) 2610 Reeve Circle, Apt. 1912, Colorado Springs, CO 80906. Dy: (719) 579-2526. Res: (719) 527-1116. S: Helen. Dy: ECHO Co, Task Force, 4th Avn Bde, Ft. Carson. Rtg: AA. Time: 190 Hrs. Grad: Jan 89.

**POPE, Talmadge D.**, (CPT) (M85) C Company, 2d Aviation Regiment, APO San Francisco 96324-0456. S: Michelle. Dy: Maintenance Officer. Rtg: AA TP. Maint Ctr: UH-60. Qual: UH-60A. Time: 1,100 Hrs. Past VP, Indianapolis Chapter.

**POUND, Diane M.**, (CPT) (M87) 464 Youngs Mill Lane, Newport News, VA 23602. Dy: (804) 878-6814. Dy: 1st Staff/Fac, Ft. Eustis, VA. Rtg: AA. Maint Ctr: UH-1.

**PRESTRIDGE, George N.**, (CPT) (M85) (Neal) 140 Austin Loop, Fort Benning, GA 31905. Dy: (404) 545-3418. Res: (404) 689-0955.

S: Susan. Dy: Airfield Ops Ofcr, DPTM Avn Div, Lawson AAF, Fort. AA. Qual: CH-47D. Time: 500 Hrs. Grad: Dec 84.

**PROULX, Michael D.**, (CPT) (M89) (Mike) 202 Holly Hill Road, Enterprise, AL 36330. Res: (205) 347-9395. Dy: HHD Cdr, 1/212 ATB. Rtg: AA. Maint Ctr: FW. Time: 1,200 Hrs. Grad: Feb 83.

**PRUITT, David N.**, (CPT) (M82) (Dave) 23 Le Moyne St, Fort Bragg, NC 28307-1892. Res: (919) 497-3017. S: Patricia. Dy: B Trp, 1/17 Cav, 82d Avn. Rtg: AA. Qual: AH-1S. Time: 1,100 Hrs. Grad: Dec 81.

**PRUITT, Michael L.**, (2LT) (M88) P.O. Box 35202, Fort Wainwright, AK 99703. Dy: (907) 356-7912. Res: (907) 488-4004. Dy: A Co, 4/123rd Avn Bn. Rtg: AA. Time: 200 Hrs. Grad: Sep 88.

**PULGENCIO, Bruce D.**, (1LT) (M85) 2674 Elden Ave, No. B, Costa Mesa, CA 92627-4603. Dy: (714) 548-4672. S: Kathy. Dy: C Trp, 1-18 Cav, Los Alamitos. Rtg: AA. Time: 750 Hrs. Grad: Sep 85.

**PURVIS, James W.**, (CPT) (M88) (Jim) 752 Crown Point Drive, Colorado Springs, CO 80906. Dy: (719) 579-2753. Res: (719) 576-7614. S: Lorraine E. Dy: A Co Cdr, Ft. Carson. Rtg: AA. Qual: AH-1S. Time: 500 Hrs.

## QQQQ - RRRR

**QUAGLIO, Kenneth L.**, (CPT) (M83) 215 Austin Loop, Fort Benning, GA 31905. Dy: (404) 545-5311. S: Valerie. Dy: 498th Med Co (AA) Ops Ofcr. Rtg: AA IP. Qual: UH-60A. Time: 1,300 Hrs. VP, Follow Me Chapter.

**QUINCEY, Dennis E.**, (CPT) (M83) (Quinc) 3405-A Kanell Loop, Wahiawa, HI 96786. Dy: (808) 544-2656. Res: (808) 624-3546. S: Paula. Dy: Operations Officer, Wheeler AFB. Rtg: SAA IP. Sfr Ctr: Mil CV. Time: 1,800 Hrs. Grad: Jun 79.

**RAMIREZ, Aguilas C.**, (2LT) (M88) 17 Fowler Lane, Fort Rucker, AL 36362. Dy: (205) 255-3311. Res: (205) 598-2100. Dy: Avn Student, E Co, 1-145th Avn. Rtg: AA.

**RAMIREZ, Charles J.**, (CPT) (M87) (Chuck) 14 Moonlight, Irvine, CA 92715. Res: (714) 854-2497. S: Marie. Dy: Van Nuys ANG Base, 305th Infantry/Avn Bn. HHC. Rtg: AA.

**RANEY, Roger J.**, (CPT) (M89) 5408 Fairfield, Mesa, AZ 85205. Dy: (602) 891-3914. Res: (602) 396-3566. S: Kathleen. Dy: ARPRO-MDHC. Rtg: AA TP. Maint Ctr: UH-1 AH-64A. Qual: AH-64A. Time: 750 Hrs. VP, Arizona Chapter.

**REAVES, Eugene W. IV**, (CPT/P) (M81) (Chip) SFTS Det, UASSB, APO New York 09165. S: Lori. Dy: Cdr, SFTS DET, XO UASSB, Hanau. Rtg: MAIA IP. Time: 3,900 Hrs./Cdt 990 Grad: Nov 69. DFC, AM/8. Past Sec, Wings of the Devil Chapter.

**REES, David F.**, (CPT) (M81) (Dave) 4420 Park Blvd, Louisville, KY 40209. Res: (502) 366-8273. S: Ok Sun. Dy: USAR Control Group, St. Louis. Rtg: SAA IP. Maint Ctr: UH-1. Qual: AH-1S. Time: 1,100 Hrs. Grad: Nov 79.

**REIDER, Bruce J.**, (CPT) (M84) 112 Blackhawk Drive, Enterprise, AL 36330. Dy: (205) 255-3344. Res: (205) 393-3399. S: Janet. Dy: SGI Team Ldr, Ft. Rucker. Rtg: AA IP. Qual: AH-1S. Grad: Dec 82.

**REILLY, Kevin T.**, (CPT) (M86) 301 Fairfield Drive, Enterprise, AL 36330. Dy: (205) 255-2616. Res: (205) 347-8544. Dy: Florence, Dy: B Co, 1/10 Avn. Rtg: AA. Time: 627 Hrs. Grad: Jan 86.

**REINWALD, Bernard C.**, (1LT) (M87) (Ben) H Co, 4th Avn Regt, APO NY 09457-2383. Dy: 06121-337-5408. Res: 06121-608998. Dy: Army Aviator, Wiesbaden, W. Germany. Rtg: AA. Qual: UH-60A. Time: 400 Hrs.

**REISWEBER, Mark A.**, (CPT) (M83) (Reis) 803 Melbourne, Enterprise, AL 36330. Dy: (205) 255-2810. Res: (205) 393-3698. S: Deborah Ann. Dy: Co Cdr, G Co, 1/145th Avn, 1st Bde (Air Assault). Rtg: AA IP. Time: 1,000 Hrs.

**REMALY, Steward E.**, (CPT) (M87) 390 Sango Road, Clarksville, TN 37043. Res: (615) 358-3158. S: Wendy. Dy: D Co, 5-101 Avn Regt, Ft. Campbell. Rtg: AA TP. Qual: UH-60. Time: 900 Hrs.

**REUSCH, Ronald**, (CPT) (M85) (Ron) H Company, 4th Aviation Regiment, APO New York 09185. Dy: 01149-6131-469840. Res: 01149-6132-75158. S: Kathleen. Dy: Quickfix Pit Ldr, Finthen AAF, W. Germany. Rtg: AA. Maint Csr: UH-60. Time: 800 Hrs.

**REYES, Hugo E.**, (1LT) (M89) 804 Livingston, Daleville, AL 36322. Dy: (205) 255-3311. Dy: E1-145 Avn. Rtg: AA.

**REYNOLDS, Judd E.**, (1LT) (M89) 2408 Kirk Circle, Killeen, TX 76543. Dy: (817) 287-1370. Res: (817) 526-9340. Dy: HSC, 3/227 AHB, APACHE Trng Bde, Ft. Hood. Rtg: AA. Maint Csr: UH-1 UH-60. Qual: UH-60A. Time: 200 Hrs. Grad: Oct 88.

**RHODES, Richard C.**, (CPT/PT) (M82) (Rick) 3716 Adirondack Drive, Colorado Springs, CO 80918. Dy: (719) 579-5198. S: Vicki. Dy: Asst Division Aviator, HHC, 4th Avn Bde. Rtg: SAA IP. Maint Csr: UH-1. Time: 1,800 Hrs. Grad: May 81.

**RHYNEANCE, George H.**, (CPT) (M85) 612 Manning Drive, Copperas Cove, TX 76522. Dy: (817) 287-4462. Res: (817) 547-7057. S: Cristina. Dy: S3, 1st Bn, 227th Avn Regt, 1st Cav Div, Ft. Hood. Rtg: AA. Qual: AH-1S AH-64A. Time: 900 Hrs. Grad: Jan 84.

**RICE, Daniel A.**, (CPT) (M88) 2500 Scenic Crest, No. 8, El Paso, TX 79930. Dy: (915) 568-8314. Res: (915) 565-5113. Dy: R Trp, 4/3 ACR, Cdr. Rtg: AA. Time: 600 Hrs. VP, Sun-bowl Chapter.

**RICE, Frederick L.**, (2LT) (M88) 505 Briarwood Drive, Apt. H3, Enterprise, AL 36330. Dy: (205) 255-3937. Res: (205) 347-1897. Dy: E Co, 1/145th.

**RIDDLE, Kyle M.**, (CPT) (M85) A Company, 3d ATC Bn, 58th Aviation Regiment, APO New York 09457-5000. Dy: AV 337-5451. S: Angela. Dy: XO, Wiesbaden, FRG. Rtg: AA. Time: 520 Hrs. Grad: Jan 85.

**RINEHART, Marcus**, (CPT) (M84) (Mark) 29 Fort Missaria, Missoula, MT 59801. Dy: (406) 243-4191. Res: (406) 721-8382. S: Barbara. Dy: ROTC Instructor, University of Montana. Rtg: SAA. Qual: AH-1S. Time: 1,300 Hrs. Grad: Jan 80.

**RITZMAN, Juliette T.**, (1LT) (M86) (Ma'am) 3435 D Thompson Circle, Wahiana, HI 96786. Dy: (808) 865-2546. Res: (808) 624-7882. S: Marlin. Dy: HHC, 53rd Avn Bn, Schofield Bks. Rtg: AA. Qual: UH-60A. Time: 400 Hrs. Grad: Aug 87.

## R Aviation Officer Directory

**RIZZI, Glenn A.**, (CPT) (M85) 105 Washington Ave, Enterprise, AL 36330. Dy: (205) 255-5729. Res: (205) 393-4976. Dy: B Co, 1/14th Avn Bn, Ft. Rucker. Rtg: AA IP. Time: 600 Hrs. Grad: Jan 85.

**ROBBINS, Neil B.**, (1LT) (M85) (Brad) H Co., 227th Aviation, Box 126, APO New York 09165-5000. S: Lisa. Dy: Bn S-2, Task Force Viper. Rtg: AA. Qual: UH-60. Time: 800 Hrs.

**ROBERTS, Cynthia Ann**, (2LT) (M89) (Cindy) 315 Mary's Oak Drive, Clarksville, TN 37042. Dy: (502) 798-3247. Res: (615) 552-4549. Dy: 7-101 Avn Regt. Rtg: AA. Qual: CH-47D. Time: 300 Hrs. Grad: Aug 88.

**ROBERTS, Joel E.**, (1LT/P) (M87) (Joe) 2nd Mt Bn (AE), Box 256, A Co, APO New York 09359. Dy: 0711-421-4122. Res: 0711-348-1106. S: Tish. Dy: OV/1 Mohawk Pilot, Echterdingen, Stuttgart AAF. Rtg: AA. Time: 300 Hrs. Grad: Nov 87.

**ROBINSON, Keith W.**, (1LT/P) (M85) 3202 Paintrock Drive, Killeen, TX 76542. Dy: (817) 287-4404. Res: (817) 634-0570. Dy: Ride-a-camp/ADC, HHC, 1CD, Ft. Hood. Rtg: AA. Qual: AH-64A. Time: 640 Hrs. Grad: Aug 86.

**RODGERS, David P.**, (CPT) (M86) 10 Montfield Lane, Fort Rucker, AL 36382. Dy: (205) 255-4505. Res: (205) 598-5347. S: Catherine. Dy: Instr, DCAAT, Ft. Rucker. Rtg: AA. Qual: OH-58C. Time: 600 Hrs.

**ROLLINS, Craig C.**, (1LT) (M88) (Craig) HHC, 12th Bde, (Fit Det), APO NY 09457. Dy: AV 337-5113. Dy: 01149-6122-52255. Dy: Ops Officer/Pit Ldr, Wiesbaden, Germany. Rtg: AA. Time: 725 Hrs. Grad: Jul 87.

**ROMIGH, Robert V.**, (CPT) (M87) 4th Brigade, Box 40, APO New York 09182. S: Claudia. Dy: Dep Subcommunity Cdr, Giebelstadt, FRG. Rtg: AA IP. Qual: UH-60A. Time: 1,400 Hrs.

**RONEY, John P.**, (1LT) (M85) 131 Brian Court, Daleville, AL 36322. Dy: (205) 255-3263. Res: (205) 598-3570. Dy: E Co, 1-14 ATB, Section Ldr. Rtg: AA IP. Maint Csr: OH-58. Qual: AH-1S. Time: 800 Hrs. Grad: Sep 86.

**ROSE, Michael S.**, (CPT) (M84) (Mike) PSC Box 2684, APO MIA 34004. Dy: 507-84-4066. Res: 507-87-5037. S: Judy. Dy: 617th SOAD (A), Ft. Kobbe, Panama. Rtg: AA. Qual: UH-60A. Time: 1,300 Hrs. Grad: Jul 83.

**ROSE, Robert H.**, (2LT) (M88) 118 Colony Drive, Enterprise, AL 36330. Dy: (205) 255-3311. Dy: 5/501st ROK. Rtg: AA. Qual: AH-1S. Grad: May 89.

**ROTH, Barry A.**, (CPT) (M85) (B) 307 Chickasaw Road, Enterprise, AL 36330. Res: (205) 393-6108. S: Brigitte. Dy: Avn Maint Pit Ldr, Ft. Lewis. Rtg: AA TP. Maint Csr: AMOC. Qual: UH-60A. Time: 750 Hrs. Grad: Aug 85.

**ROUNDING, Bradley N.**, (CPT) (M84) HHC, 12th Avn Bde, APO NY 09457. Dy: 337-5494. S: Suzanne. Dy: Assistant Bde S-3, Wiesbaden, Germany. Rtg: AA. Qual: AH-1S AH-64A. Time: 1,000 Hrs. Grad: Jan 82.

**ROUVIERE, Richard C.**, (2LT) (M88) 914 29th Place, No. C, San Pedro, CA 90731. Res: (213) 548-0477. Dy: C Trp, 1/18 Cav, Los Alamitos. Rtg: AA.

**ROYAR, Kenneth T.**, (2LT) (M88) 20A-1 Apache Drive, Enterprise, AL 36330. Dy: (205) 255-3311. Res: (205) 393-2402. Dy: E Co, 1-145 Avn. Rtg: AA.

**ROZMAN, Sheryl A.**, (CPT) (M80) 2008 Laurel Glen Drive, Harrisburg, PA 17110-3432. Dy: (717) 865-8728. Res: (717) 867-3595. S: Gerry. Dy: Asst Branch Chf, FS&B, EAATS, Ft. Indiantown Gap. Rtg: SAA IP. Maint Csr: UH-1. Time: 1,500 Hrs. Grad: Apr 81.

**RUSSELL, Marvin N.**, (CPT) (M83) (Marv) D Company, 2-4 Aviation Battalion, APO New York 09185. S: Darlene. Dy: Cdr, D Co, 2-4 Avn Bn. Rtg: AA TP. Maint Csr: UH-1. Time: 675 Hrs. Grad: Jan 83.

**RUSSELL, Rex A.**, (CPT) (M84) 1580 N. Millford Creek La., Marietta, GA 30060. S: Wendie. Dy: Student, GA Tech. Rtg: SAA. Qual: AH-1S. Time: 1,500 Hrs. Grad: Aug 81. Past SRVP, Thunderbolt Chapter.

**RYDER, Stephen K.**, (CPT) (M89) 1106 Academy Street, Watertown, NY 13602. Dy: (315) 772-7810. Res: (315) 782-2436. S: Elizabeth. Dy: Cdr, D Co, 3-25 Assault Hqtr Bn, Ft. Drum. Rtg: SAA TP. Maint Csr: UH-1. Time: 1,200 Hrs. Grad: Jan 83.

## SSSSSSSSSSSSSSSS

**SAFLIN, Stephen T.**, (CPT) (M84) 327 Meadow Avenue, Charleroi, PA 15022. Dy: (412) 938-4074. Res: (412) 483-8412. S: Stephanie. Dy: CA Univ of PA. Rtg: AA. Time: 2,010 Hrs. Grad: Mar 84.

**SALAZAR, John M.**, (1LT) (M88) Box 281, 205th Aviation Company, APO New York 09185. Dy: 334-3856. Res: 001-06131-364187. Dy: CH-47 Fit Pit Ldr, Mainz-Finthen, Germany. Rtg: AA. Qual: CH-47D. Time: 700 Hrs.

**SALES, Vance, M. Jr.**, (CPT) (M84) HHT 4th Sgdn 11th ACR, APO NY 09146. Dy: ETS 321-3423. Res: 001-49-661-72334. S: Tamara. Dy: Sgdn S3, 4/11 ACR Fulda, FRG. Rtg: AA. Qual: AH-1S. Time: 1,400 Hrs. Grad: Aug 82.

**SANBORN, Scott E.**, (1LT) (M89) Q Troop, 4th Squadron, 2 ACR, P.O. Box 10345, APO New York 09092-0216. Dy: 09128-70-823. Res: 0911-898553. S: Sandra. Dy: Attack Pit Ldr, Feucht AAF, W. Germany. Rtg: AA. Time: 220 Hrs. Grad: Sep 88.

**SANDERS, Jody S.**, (CPT) (M87) 220 Skyline Drive, Daleville, AL 36322. Dy: (205) 255-4989. Dy: D-1 223 Avn Regt, Ft. Rucker. Rtg: AA. Qual: AH-1S. Time: 520 Hrs.

**SANHUEZA, Hugo S.**, (CPT) (M85) (Schtdue) 5218 West Nighthawk Way, Tucson, AZ 85741. Dy: (602) 624-7514. Res: (602) 744-3619. S: Kimberly. Dy: Admin & Svcs Branch Chief, Westm ARNG Avn Trng Site, Silver Bell AHP. Rtg: AA. Qual: UH-60A. Time: 550 Hrs.

**SAVAGE, Wade R.**, (CPT) (M85) G Co, 4th Avn Regt, APO NY 09111. S: Ronda. Dy: Maint Ofc, G Co, 4th Avn Regt, Bad Kreuznach, FRG. Rtg: AA TP. Maint Csr: UH-1 UH-60. Qual: UH-60A. Time: 750 Hrs. Grad: Apr 84.

**SCANTLAN, Donald L.**, (CPT) (M86) 7323A Gardner Hills, Fort Campbell, KY 42223. Dy: (502) 798-5870. Res: (615) 431-4974. S: Cathy. Dy: Maint Pit Ldr, Ft. C, 1F-160 SOAR (Abn). Rtg: AA TP. Maint Csr: UH-60. Qual: UH-60. Time: 1,200 Hrs.

**SCHANDORF, Roy J.,** (CPT) (M81) P.O. Box 351, Fort Rucker, AL 36362. Dy: (205) 255-5987. Res: (205) 774-5020. S: Yvonne. Dy: A/V-14th Avn Regt. Rtg: AA IP. Qual: AH-1S. Time: 1,000 Hrs. Grad: Jun 80.

**SCHILLER, Stephen M.,** (1LT) (M87) (Schill) 142-A Stone Court, Fort Riley, KS 66442. Dy: (913) 238-2883. Res: (913) 784-5401. S: Rhonda. Dy: Aeroscout Pil Ldr, C Co, 1-1 Avn. Rtg: AA. Qual: AH-1S. Time: 600 Hrs.

**SCHISLER, James S.,** (CPT/P) (M86) (Scott) D Co, 5-158th Aviation, Bde 862, APO New York 09039. Dy: ETS 328-7268-8632. Res: 069-561-398. S: Nancy. Dy: Cdr, D Co, 5-158th Avn Regt, Maurice Rose AHP, Bonames, FRG. Rtg: AA. Qual: AH-1S. Time: 510 Hrs. Grad: Feb 81.

**SCHMIDT, John K.,** (CPT) (M86) 4326 Down's Square, Belcamp, MD 21017. Dy: (301) 278-5843. Res: (301) 272-3431. Dy: Avn Psych Hel, AAF, Ft Surg. Rtg: AA.

**SCHOLLCRAFT, David E.,** (1LT) (M87) B Company, 6158, Box 48, APO New York 09185. Dy: 334-3858. Res: 06130-6801. S: Desi. Dy: B-158 Avn Regt, Finthen, FRG. Rtg: AA. Time: 300 Hrs.

**SCHUH, Robin R.,** (CPT) (M86) 165 N. Harris Drive, Ft Rucker, AL 36362. Dy: (205) 255-5987. Res: (205) 598-3265. S: Erin. Dy: Pil Ldr, A Co, 1-14 Avn. Avn Tng. Rtg: AA IP. Maint Crs: UH-1 AH-1. Qual: AH-1S. Time: 700 Hrs.

**SCHULZ, Robert R.,** (CPT) (M86) (Bob) HHC, 4th Squadron, 2nd ACR, APO New York 09092. S: Iris. Dy: Asst S-3, 4th Sqn, 2nd ACR, Deutch AAF. Rtg: AA. Time: 730 Hrs. Grad: Feb 85.

**SCHUROT, Louis P.,** (CPT) (M89) 24 Ferguson Lane, Fort Rucker, AL 36362. Dy: 255-2482. Res: (205) 599-4739. S: Sandy. Dy: Project Ofcr, DOTO, Ft. Rucker. Rtg: AA. Qual: AH-1S. Time: 700 Hrs. Grad: Sep 86.

**SCHVANEVELDT, Kent N.,** (CPT) (M85) (Swamy) A Co, 3rd MI Bn (AE), APO San Francisco 96271. Dy: 753-7698. Res: 53-4865. S: Lori. Dy: Spec Elec Mission Act Comm, Elec Pil Ldr, Camp Humphreys, Korea. Rtg: AA TP. Maint Crs: UH-1. Time: 950 Hrs. Grad: Sep 84.

**SCHWARZ, Charles R.,** (CPT) (M81) (Charley) HHC, CAB DSCC, APO New York 09165. Dy: 322-7735. S: Mae. Dy: Dep Subcomm Cdr. Rtg: AA TP. Maint Crs: AH-1. Qual: AH-1S. Time: 1,050 Hrs. Grad: Nov 80.

**SCHWARZ, Michael J.,** (CPT) (M88) (Mike) HHD, 70th Trans Bn (AVIM), APO NY 09028. S: Gabriele. Dy: Co Cdr, Coleman AAF, Sandhufen, W. Germany. Rtg: AA. Time: 950 Hrs. Grad: Sep 86.

**SCOTT, Jerry D.,** (CPT) (M83) HQ, 4th Bn, 229th AHR, Box PT, APO New York 09140. S: Peggy. Dy: Bn S-1. Rtg: SAA. Qual: AH-1S. Time: 1,050 Hrs. Grad: Apr 83.

**SEAMANDS, Gregory M.,** (CPT) (M85) (Spoke) 406 Old Town Square, Daleville, AL 36322. Res: (205) 598-9419. S: Tammy. Dy: E Co, 1/13th Avn Regt. Rtg: AA. Qual: AH-1S. Time: 750 Hrs.

**SEAY, Wallace J.,** (CPT) (M87) (Jay) 1983 Oakwalk Farms Pkwy, No. 2801, San Antonio, TX 78218. Dy: (512) 536-2844. Dy: Resident, Aerospace Medicine, AMEDD Student Det, Ft. Sam Houston, TX. Rtg: AA Fit Surg.

**SELLING, Brian R.,** (CPT) (M87) (Brian) HHD 1-212 Aviation Abn, Fort Rucker, AL 36362.

## S Aviation Officer Directory

Dy: (205) 255-2228. Res: (205) 347-1517. Dy: S-1, Adjutant. Rtg: AA IP. Time: 1,400 Hrs. Grad: Jul 83.

**SEWALL, Robert D.,** (CPT) (M85) (Bob) 105 Patricia Lane, Daleville, AL 36322. Dy: (205) 255-6571. Res: (205) 598-5264. S: Sina. Dy: DES, Ft. Rucker. Rtg: AA. Time: 860 Hrs. Grad: Dec 84.

**SEYMOUR, Kenneth H.,** (CPT) (M85) (Ken) 3618 Sweetheart Court, Fairfax, VA 22033. S: Mary Ellen. Rtg: AA TP. Maint Crs: UH-1. Time: 600 Hrs. Grad: Sep 84.

**SHEA, William P.,** (CPT) (M88) (Bill) 46 Fisher Road, Middletown, CT 06457-2502. Dy: (203) 627-4845. Res: (203) 344-9036. S: Carolyn. Dy: Asst. S-3, HHC 1/169 Avn Regt, Windsor Locks. Rtg: AA. Time: 500 Hrs. Grad: Apr 86.

**SHENK, Michael L.,** (2LT) (M88) 17 Olsen Drive, Fort Rucker, AL 36362. Dy: (205) 255-3311. Res: (205) 598-1510. S: Julianne B. Dy: Ft Student, E Co, 1-145 Avn. Rtg: AA. Grad: Sep 89.

**SHERLOCK, Nancy J.,** (CPT) (M83) (Nancy) 2109 Firestone Drive, League City, TX 77573. Dy: (713) 483-9651. Res: (713) 538-1405. S: Nancy. Dy: Fit Simulation Engr, USARSPACE, NASA/JSC Detachment, Houston. Rtg: SAA SIP. Maint Crs: UH-1 OH-58 U-21. Time: 2,300 Hrs. Grad: Oct 82.

**SHERLOCK, Richard J.,** (CPT) (M82) A Company, 1/501st Aviation, APO San Francisco 96301-0011. Dy: 741-6376. Res: 741-6541. S: Nancy. Dy: Cdr, A/V-501st Avn Regt. Rtg: SAA IP IFE. Maint Crs: UH-1. Time: 1,600 Hrs. Grad: Dec 81.

**SHERMAN, Rodney D.,** (CPT) (M87) 5/501st Attack Battalion, APO San Francisco 96397-0420. Dy: 721-3916. S: Marsha. Dy: 5/501st Aik Bn, Camp Long, Korea. Rtg: AA. Qual: AH-1S. Time: 1,300 Hrs. Grad: Jan 84.

**SHERRELL, Chandler C.,** (1LT) (M86) (Skip) 142 Harris Drive, Fort Rucker, AL 36362. Dy: (205) 255-2808. Res: (205) 598-6241. S: Lauri. Dy: Aide-de-Camp to the Asst Commndr, Ft. Rucker. Rtg: AA. Time: 480 Hrs.

**SHIMUNEK, Richard D.,** (CPT) (M81) 105 Ladd Street, Enterprise, AL 36330. Dy: (205) 598-6736. Res: (205) 347-1771. S: Donna. Dy: Cdr HHC 31st Spt Bn. Rtg: AA. Qual: AH-1S. Time: 900 Hrs. Grad: Aug 80.

**SHOOD, Brian P.,** (1LT) (M87) 120 B Aspen, Spring Lake, NC 28390. Dy: (919) 396-3717. Res: (919) 497-6157. Dy: Atk Pil Ldr, D Tpt, 1/17 Cav, Ft. Bragg. Rtg: AA. Maint Crs: UH-1 AH-1. Qual: AH-1S. Time: 400 Hrs. Grad: May 86.

**SHORT, Steven M.,** (1LT) (M86) E Co 3d ATC Bn, 58th Avn Regt, APO NY 09028. Dy: 382-4163. Res: 49-06204-74212. S: P.J. Dy: XO, Echo Co, 3rd ATC Bn, 58th Avn. Regt, Mannheim, FRG. Rtg: AA. Time: 350 Hrs. Grad: Feb 87.

**SHOTTS, Christopher,** (2LT) (M88) C Company, 7/158th Aviation Regiment, APO New York 09457. S: Tamara Michelle. Dy: UH-60A Hcpr Co, Wiesbaden Air Base, Wiesbaden, FRG. Rtg: AA. Qual: UH-60A. Time: 280 Hrs.

**SHUE, Grady V.,** (2LT) (M89) Task Force 23, 4th Bde, 3rd ID, APO New York 09182. Res: (704) 983-1125. Dy: Task Force 23, 4th Bde, 3rd ID, Giebelstadt, FRG. Rtg: AA. Qual: UH-60 EH-60. Time: 170 Hrs. Grad: Mar 89.

**SIMMONS, James M.,** (CPT) (M84) (Mike) HSC, 2-1 Avn Regt, Box 2271, APO NY 09250. S: Susan. Dy: Bn S-3, Kattersbach AAF, FRG. Rtg: AA. Qual: AH-1S. Time: 1,500 Hrs./Cbt 6. Grad: Sep 82.

**SIMON, Wayne S.,** (CPT) (M88) HHT 4/4 Cavalry, Box 18, APO New York 09702. Rtg: AA. Qual: AH-1S. Time: 500 Hrs. Grad: Nov 83.

**SIMONSON, Keith D.,** (CPT) (M82) (Si) 2811 Main Avenue, Copperas Cove, TX 76522. Dy: (817) 287-4311. Res: (817) 542-3461. S: Ginger. Dy: Co Cdr, 1-3 Avn Regt, 2AD. Rtg: AA TP. Maint Crs: UH-1 AMOC. Qual: AH-1S UH-60A. Time: 900 Hrs. Grad: Sep 82. Past Vice, Stuttgart Chapter.

**SINGER, Bennett E.,** (1LT) (M87) HHC 3/4 Aviation, APO New York 09185. Dy: Atk Hcpr Pil Ldr, Fintin Army Airfield, Mainz, Germany. Rtg: AA. Qual: AH-1F.

**SINGLETON, William L.,** (CPT) (M84) (Bill) 71159 Avn Regt., Box 237, APO NY 09061. S: Vicki. Dy: Bn S-4, Nellingen, Germany. Rtg: AA. Maint Crs: AH-1. Qual: AH-1S. Time: 560 Hrs. Grad: May 80.

**SKAGGS, Michael R.,** (CPT/P) (M83) (Mike) 39 Russell Avenue, Fort Monmouth, NJ 07703. Dy: (201) 544-2122. Res: (201) 389-2626. S: Janet. Dy: AVRAIDA, Ft. Monmouth. Rtg: AA. Qual: UH-60A. Time: 1,100 Hrs./Cbt 55 Grad: Dec 82. VP, Monmouth Chapter.

**SKOWRONSKI, Stephen,** (CPT) (M82) (Steve) 159th Medical Company, Box 72, APO New York 09175-3624. S: Carol. Dy: S-2/3, 421st Evac Bn, Darmstadt, FRG. Rtg: AA. Qual: UH-60A. Grad: Jun 82.

**SLAGLE, George P.,** (CPT) (M85) Svc Co, 2-3 Avn Regt., Box 106, APO NY 09182-5000. Dy: (205) 255-6606. Dy: Service Co Cdr, Giebelstadt, FRG. Rtg: AA TP. Maint Crs: UH-1. Time: 1,100 Hrs. Grad: Oct 81.

**SLATTERY, Michael P.,** (1LT) (M88) (Slat) P.O. Box 372, Fort Campbell, KY 42223. Dy: (502) 798-3944. S: Karen. Dy: Sys Intct Ofcr, Hsc, 150th SOAG (Abn). Rtg: SAA IP. Qual: CH-47D. Time: 2,300 Hrs. Grad: Aug 80.

**SMIDT, Jonathan J.,** (CPT) (M87) (Jon) 416 W. 3rd Street, Junction City, KS 66441. Res: (913) 328-6245. S: Joyce. Dy: Co Cdr, HHC, 1-1 Avn, Ft. Riley. Rtg: AA. Qual: AH-1S UH-60A. Time: 525 Hrs.

**SMITH, Dennis J.,** (CPT) (M88) 907A Lami, St. Louis, MO 63104. Dy: (314) 263-1450. S: Susan R. Dy: PM-ASE. Rtg: AA. Maint Crs: AH-1. Qual: AH-1S.

**SMITH, Dennis D.,** (2LT) (M89) (Terri) 50 Forest Park Dixie Dr., Enterprise, AL 36330. Dy: (205) 255-3311. Res: (205) 393-1617. Dy: E Co, 1-145th Avn. Rtg: AA.

**SMITH, George R.,** (CPT) (M85) 16 Montiel Lane, Fort Rucker, AL 36362-2313. Dy: (205) 255-3344. Res: (205) 598-9069. Dy: F Co, 1-13 Avn Regt. Rtg: AA. Past VP, Wings of the Devil Chapter.

**SMITH, James T.,** (CPT) (M87) (J.T.) HHC 2/2 Aviation Regiment, APO San Francisco 96524-0460. S: Barbee. Dy: Bn S-4, Camp Stanley, Korea. Rtg: AA TP. Maint Crs: OH-58. Qual: AH-1S. Time: 600 Hrs. Grad: Jan 85.

# S Aviation Officer Directory

**SMITH, Jay Q.**, (CPT) (M82) 124 N. Cherry Street, Whitewater, WI 53190. Dy: (414) 473-2372. Res: (414) 472-5254. S. Jackie. Dy: U of WI ROTC Dept. Rtg: AA. Maint Crs: UH-60. Qual: UH-60A. Time: 485 Hrs. Grad: Oct 81.

**SMITH, Jay W.**, (CPT) (M83) S Trp, 4th Sgdn, 2d ACR, APO New York 09092. Dy: Trp Cdr, S Trp 4/2 ACR, Feucht AAF, Nuernberg, Rgt: AA. Qual: UH-60A. Time: 1,000 Hrs. Grad: Aug 82.

**SMITH, Mark A.**, (CPT) (M81) (Smitty) 300 Colony Drive, Apt. C, Enterprise, AL 36330. S: Barbara. Dy: Ft Instructor, UNC Inc., Burnside, OH. Rtg: SAA IP TP, Maint Crs: OH-58. Time: 2,000 Hrs. Grad: Feb 82.

**SMITH, Paul N.**, (CPT) (M82) 108 Wildwood Dr, Enterprise, AL 36330. Dy: (205) 255-2108. Res: (205) 347-4916. S: Cindy. Dy: TSM-APACHE, Ft Rucker. Rtg: AA IP. Time: 1,558 Hrs. Grad: Dec 82.

**SMITH, Philip M.**, (CPT/P) (M86) (Mike) D.A.O. U.S. Embassy, Singapore, FPO San Francisco 96699-0001. Res: (303) 574-5160. S: Patti. Dy: Exchange Ofcr, Singapore Air Force. Rtg: AA IP. Maint Crs: UH-1. Qual: AH-1S. Time: 2,100 Hrs. Grad: Jul 79.

**SMITH, Roger D.**, (CPT) (M83) 201 Valleyview Drive, Enterprise, AL 36330. Dy: (205) 255-5063. Res: (205) 347-3200. Dy: Ft. Rucker, Actl Sys Mgr, CAST DTD. Rtg: AA IP. Maint Crs: UH-1. Time: 1,800 Hrs. Grad: Oct 83.

**SMITH, Stephen C.**, (CPT) (M85) (Smitty) 25 Logan, Fort Rucker, AL 36362. Dy: (205) 255-6008. Res: (205) 598-6689. S: Ann M. Dy: Section Ldr/JP, A Co, 1-14 Avn ATB, Rtg: AA IP. Maint Crs: AH-1. Qual: AH-1S. Time: 850 Hrs. Grad: Oct 85.

**SMYTHE, Daniel R.**, (1LT) (M87) (Dan) H Co, 4th Avn Regt, APO New York 09457-2383. Res: (205) 347-2359. S: Kimberly. Dy: UH-60A Pit Ldr, Wiesbaden Air Base, Wiesbaden, W. Germany. Rtg: AA. Qual: UH-60A. Time: 300 Hrs. Grad: Jul 88.

**SOLANO, Frank**, (CPT) (M85) (Slick) 1064 Quail Hollow Drive, Sierra Vista, AZ 85635. Dy: (602) 533-3587. Res: (602) 458-4527. S: Teresa. Dy: Attending Mil Ofcr Adv Course, Ft Huachuca. Rtg: AA. Qual: UH-60A. Time: 700 Hrs.

**SOLMS, William M.**, (1LT) (M87) (Bill) 401 Twin Creek Drive, Apt. 10A, Killeen, TX 76543. Dy: (817) 287-9887. Res: (817) 690-5120. Dy: S2, 4-6 Cav, 6 CBAC, Ft. Hood. Rtg: AA. Qual: AH-64. Time: 700 Hrs. Grad: Aug 86.

**SONIAR, Robert W.**, (CPT) (M88) (Friendly Bob) 210 Harland Creek Drive, Enterprise, AL 36330. Dy: (205) 255-6517. Res: (205) 347-6229. S: Linda. Dy: A Co, 1/11th Avn Regt, Ft. Rucker. Rtg: AA.

**SOOS, John A.**, (CPT) (M85) 1 Company, 4th Aviation, 8th Infantry Division, APO New York 09185. S: Ellen. Dy: I Co, 4th Avn 8th ID, Mainz, FRG. Rtg: AA TP. Maint Crs: UH-1. Saf Crs: MIL. Time: 900 Hrs.

**SORRELL, William K.**, (CPT) (M88) (Bill) 4/2 ACR, Box 10273, APO New York 09092. Dy: 001-09128-70801. Dy: AVUM Company Cdr, Feucht Army Airfield, Frg. Rtg: AA. Maint Crs: AH-1. Qual: AH-1S UH-60A. Time: 600 Hrs. Grad: Dec 83.

**SOUDER, Timothy P.**, (CPT) (M87) (Tim) 16 Argall Place, Newport News, VA 23602. Dy: (804) 727-3030. Res: (804) 875-0343. S: Gail

Lynn. Dy: ORSA Proj Ofcr, HQ, TRAC, Ft. Monroe. Rtg: AA. Maint Crs: UH-1 CH-47. Time: 3,000 Hrs. Grad: Aug 74.

**SOUTHAUD, William C.**, (CPT) (M88) (Clark) A Company, 2/501 Aviation, APO San Francisco 96271. Dy: 753-6912. Res: 753-8076. Dy: Opns Ofcr, A Co, 2/501st Avn, Camp Humphreys, Korea. Rtg: AA. Qual: CH-47D. Time: 400 Hrs. Grad: Jan 88.

**SOVINE, John W., Jr.**, (CPT) (M83) 18 Markham St, Fort Bragg, NC 28307-1806. Dy: (919) 432-0667. Res: (919) 436-3590. S: Kathy. Dy: Asst Division Avn Officer, 82nd Airborne Division. Rtg: AA IP. Qual: UH-60A. Time: 2,300 Hrs. Grad: Jun 79.

**SPALDING, Carolyn A.**, (1LT) (M87) Hunter AAF, POB 42054, Savannah, GA 31409. Dy: (912) 352-5087. Res: (912) 925-8153. Dy: Pilot, Hunter AAF. Rtg: AA. Time: 700 Hrs.

**SPEAR, Russell B.**, (1LT) (M87) (Russ) 10725 Abercorn Ext., Apt. 5, Savannah, GA 31419. Dy: (912) 352-5887. Res: (912) 925-6042. Dy: Pit Ldr, B 3/24 Avn Regt. Rtg: AA. Qual: UH-60A. Time: 650 Hrs. Grad: Aug 87.

**SPENCER, Michael A.**, (CPT) (M88) (Spence) 9353 Viscount, No. 2086, El Paso, TX 79925. Dy: (915) 568-8853. Res: (915) 592-2055. S: Daniela. Dy: 4/3 Acr, Ft. Bliss. Rtg: AA. Qual: AH-1S. Time: 900 Hrs. Grad: Jan 86.

**SQUIRE, Brendan E.**, (CPT) (M85) 1527 A Werner Park, Fort Campbell, KY 42223. Dy: (502) 798-7268. Res: (615) 431-3709. S: Melanie. Dy: D Co, 325th Med Bn, Ft. Campbell. Rtg: AA. Qual: UH-60A. Time: 900 Hrs. Grad: Jun 86.

**STAMMERJOHN, Daniel M.**, (1LT) (M86) (Dan) 7008 35th Street West, Tacoma, WA 98466. Res: (206) 565-4566. S: Amy. Dy: HMC 2/9 Avn Regt, Ft. Lewis. Rtg: AA. Qual: UH-60A. Time: 400 Hrs. Grad: May 87.

**STASHAK, Frank J.**, (CPT/P) (M78) 3220 Oak Creek Drive West, Colorado Springs, CO 80906. Dy: (719) 579-2952. S: Lori. Dy: S-3, 4th Avn Bn Task Force. Rtg: AA TP. Maint Crs: UH-1. Time: 1,200 Hrs. Grad: Dec 79.

**STEELE, Paul M.**, (CPT) (M86) 3111 Furman Lane, No. 202, Alexandria, VA 22306. Dy: (703) 664-4073. Res: (703) 768-6796. S: Estela. Dy: CAC (H) USADAC, Fort Belvoir. Rtg: AA. Time: 650 Hrs. Grad: Nov 85. VP, Washington DC Chapter.

**STEELE, Tie H.**, (CPT) (M83) 2505 Phyllis Drive, Copperas Cove, TX 76522. Dy: (817) 287-6915. Res: (817) 542-5183. S: Mary. Dy: AVUM Pit Ldr, E Co, 4th Bn, 3d Avn Regt. Rtg: AA TP. Maint Crs: UH-60. Qual: UH-60A. Time: 600 Hrs. Grad: Jul 83.

**STEPAT, Fredrick D.**, (CPT) (M87) (Rick) 511 East 52nd Street, Savannah, GA 31405. Dy: (912) 352-5465. Res: (912) 233-7727. Dy: Avn Safety Officer, Avn Bde. Rtg: AA. Maint Crs: UH-60. Saf Crs: MIL. Qual: UH-60A. Time: 700 Hrs. Grad: Sep 83.

**STEWART, Debbie**, (CPT) (M82) 8th Bn, 158th Av, APO NY 09165. Dy: 06187-23233. S: Jimmy. Dy: Co Cdr, Service Co, TP Viper, Hanau, Germany. Rtg: AA TP. Maint Crs: UH-1. Qual: UH-60A. Time: 950 Hrs. Grad: Jun 81.

**STEWART, James R.**, (CPT) (M89) (Jim) 2415 Anzio Street, Fort Irwin, CA 92310. Dy: (619) 386-3180. Res: (619) 386-2741. S: Margie. Dy: Chief, Avn Med Svc, USAMEDDAC, Ft. Irwin. Rtg: AA. Grad: Mar 88.

**STIREWALL, William S.**, (CPT) (M85) (Scott) P.O. Box 75, Hinesburg, VT 05461. S: Carrie. Dy: APACHE Trng Bde, Ft. Hood. Rtg: AA. Qual: AH-1S. Time: 630 Hrs. Grad: Aug 85.

**STOCKHAUSEN, Richard C.**, (CPT) (M85) (RHC) HHC, 4th Bde, Box 2703, APO NY 09250. S: Diana. Dy: HHC 4th Bde, 1st AD, Katterbach, W. Germany. Rtg: AA. Qual: AH-1S AH-64A. Grad: Jul 84.

**STOKES, David L.**, (CPT) (M85) 103 Creek Court, Enterprise, AL 36330. Dy: (205) 255-6418. Res: (205) 393-2611. Dy: D Co, 1-212 Avn, ATB, Ft. Rucker. Rtg: AA IP. Maint Crs: UH-1H. Time: 950 Hrs. Grad: Oct 85.

**STONER, James A. III**, (1LT) (M87) 2-6 Cav, P.O. Box 063, APO New York 09140. Dy: 4674-784. Dy: Aerosocut Pit Ldr, AH-64 Cav Sqdn, Ilesheim, FRG, 2nd Sgdn, 6th Cav. Rtg: AA. Maint Crs: FW. Saf Crs: Civ. Time: 1,250 Hrs. Grad: Dec 88.

**STORY, Allen T.**, (CPT) (M82) (Big Al) 29 Johnson Street, Fort Rucker, AL 36362. Dy: (205) 255-4223. S: Darlene. Dy: Chief, Combat Bde, Doctrine Div, DCAT, Rtg: AA. Qual: UH-60A. Time: 800 Hrs. Grad: Feb 82.

**STORY, William S.**, (1LT) (M86) (Peabody) 5592-1 Large Street, Fort Hood, TX 76544. Dy: (817) 287-3745. Res: (817) 539-5165. S: Lisa. Dy: Pit Ldr, A Co, 1-3 Avn, 2AD, Rtg: AA. Maint Crs: UH-1 OH-58. Time: 350 Hrs. Grad: Aug 86.

**STOVALL, Jann E.**, (CPT) (M84) HQ III Corps (Fwd), APO New York 09145. S: Susan. Dy: Opns Ofcr, III Corps (Fwd), Maastricht, NL. Rtg: AA. Time: 950 Hrs. Grad: Jun 84.

**STRATMAN, Cortney J.**, (CPT) (M74) DAO US Embassy Singapore, FPO SF 96699-0001. S: Colleen. Dy: Personnel Exchange Ofcr, Rep of Singapore Air Force. Rtg: SAA IP SIP TP. Maint Crs: UH-60 UH-1 CH-47 AH-1. Qual: AH-1S UH-60A. Time: 3,800 Hrs. Grad: Sep 74. AM/1.

**STRINGER, Kevin D.**, (2LT) (M89) (Kev) A Company, 2/4 Aviation Regiment, APO New York 09185. Dy: 334-3208-3781. Res: 06131-43390. Dy: Exec Ofcr, HHC, 4th Bde, 81st, Mainz Finthen Army Airfield, FRG. Rtg: AA. Time: 205 Hrs. Grad: Mar 88.

**STULL, Alan M.**, (1LT) (M84) 4351-8 9th Street, Fort Wainwright, AK 99703. Dy: (907) 353-6503. Rtg: (907) 356-1901. S: Lori. Dy: Adjutant 4-9 Cav. Rtg: AA. Time: 930 Hrs. Grad: Jul 85.

**STURGEON, Jack E.**, (1LT/P) (M87) P.O. Box 3053, Milliani, HI 96789. Dy: (808) 855-6232. Res: (808) 824-7678. Dy: Bn S1 Adjutant, 53rd Avn Bn. Rtg: AA. Time: 600 Hrs. VP, Aloha Chapter. Past VP, Aloha Chapter.

**STYER, John A.**, (2LT) (M89) 40-D Apache Drive, Enterprise, AL 36330. Dy: (205) 255-3311. Res: (205) 393-4128. S: Deana Lea. Dy: Ft Student, E/1-145 Avn, Ft. Rucker. Rtg: AA.

**SUBLETT, Chester A.**, (1LT) (M87) (Chet) 932 Mesquite Drive, Barstow, CA 92311. Dy: (919) 386-3086. S: Elizabeth. Dy: OFFOR Air Pit Ldr, C Co, 3/159th Avn Regt, Ft. Irwin. Rtg: AA. Time: 875 Hrs. Grad: Dec 88.

**SULLIVAN, Christopher**, (CPT) (M89) (Sully) 1st Battalion (Aik), 2nd Aviation Regiment, APO San Francisco 96524-0250. Dy: AV 732-7202. Rtg: Cdr. Co. A, 1st Bn (Aik), 2d Avn Regt, Korea. Rtg: AA. Qual: AH-1S. Time: 1,700 Hrs. Grad: Feb 82.

**SULLIVAN, David W.**, (CPT) (M86) 4717-A Republican Road, Fayetteville, NC 28311. Dy: (919) 396-5424. Res: (919) 630-1476. Dy: Bn S-2, HHG, 2/159th Avn. Ft. Bragg. Rtg: AA. Qual: CH-47D. Time: 775 Hrs. Grad: Jul 85.

**SULLIVAN, James W.**, (1LT) (M87) (Jim) 8339 Zircon Dr. SW #22, Tacoma, WA 98489. Dy: 9th Cav Bde, Ft. Lewis. Rtg: AA. Qual: UH-60A. Time: 500 Hrs.

**SUMMERS, Timothy F.**, (CPT) (M89) 45 Woodland Drive, Staunton, VA 24401. Dy: (205) 255-3344. Res: (703) 866-6742. S: Jennifer. Dy: A Co, 2-159 Avn Regt, Ft. Bragg. Rtg: AA. Qual: CH-47D. Time: 570 Hrs. Grad: Aug 84.

**SUTTON, Douglas M.**, (CPT) (M83) (Doug) HHC 4th Brigade, APO New York 09185. Dy: 334-3825-9738. Res: 06132-2270. S: Monica Jean. Dy: Asst Bde S3, 4th Bde, 8th (M), FRG. Rtg: AA. Qual: AH-1S. Time: 900 Hrs./Cbt 13 Grad: Jun 82. AM/1.

**SWAFFORD, David F.**, (CPT) (M85) (Dave) 120 Harrison Drive, Daleville, VA 26322. Dy: (205) 585-8179. Res: (205) 347-2423. S: Martha. Dy: Branch Chief, Aviation Development, Test Activity. Rtg: SAA TP. Maint Crs: UH-1 UH-60 FW. Sd Crs: Civ. Qual: UH-60A. Time: 2,000 Hrs. Grad: Nov 79.

**SWANSON, Joe E.**, (CPT) (M86) 100 Red Cloud Road, Fort Rucker, AL 36362. Res: (205) 598-6124. S: Terri. Rtg: SAA TP. Maint Crs: UH-1H. Qual: AH-1S. Time: 1,050 Hrs. Grad: Jun 82.

**SWITZER, Michael R.**, (1LT) (M83) (Switz) 4165 West Meadow, Apt. 1177, Colorado Springs, CO 80906. Dy: (719) 579-3516. Res: (719) 576-2584. Dy: Ah-1 Pit Ldr, C/1-A Avn, Ft. Carson. Rtg: AA. Qual: UH-60A. Time: 580 Hrs. Grad: May 86.

**SZCZEPKOWSKI, Dean E.**, (1LT) (M87) (Ski) 95-699 Makaiolani Street, Mililani, HI 96789. Dy: (808) 655-0720. Res: (808) 623-9938. Dy: A Co, 53 Avn Bn, Schofield Bks. Rtg: AA. Qual: UH-60A. Time: 700 Hrs. Grad: Feb 88.

**SZEMAN, Edward M.**, (CPT) (M88) (Mickey) B Company, 4/159th Avn, Box 538, APO New York 09359. Dy: 4214-120-221. Res: 0711-853338. S: Becky. Dy: Cdr, Stuttgart, W. Germany. Rtg: AA.

**SZEMPRUCH, Robert J.**, (CPT) (M86) 27 Olsen Drive, Fort Rucker, AL 36362. Dy: (205) 255-3344. Res: (205) 598-6682. S: Linda. Dy: E Co, 1/13 Avn Regt, Ft. Rucker. Rtg: AA. Time: 670 Hrs.

## TTTTTTTTTT

**TAGGART, Thomas J.**, (CPT) (M88) 105 Wellington Street, Enterprise, AL 36330. Dy: (205) 255-7449. Res: (205) 347-4566. S: Linda. Dy: Aeromedical Subjects Instr/Aviator USA School of Avn Medicine. Rtg: AA. Time: 1,500 Hrs. Grad: Jan 79.

**TALLMAN, James C.**, (CPT) (M85) (Craig) 211 Hickory Bend, Enterprise, AL 36330. Dy: (205) 255-3341. Res: (205) 347-2474. S: Kathleen. Dy: SGI Team Ldr, F Co, 1-13 Avn Regt. Rtg: AA. IP. Time: 1,300 Hrs. Grad: Feb 83.

## T Aviation Officer Directory

**TAPPAN, Walter C.**, (CPT) (M89) 65 East Harris Drive, Fort Rucker, AL 36362. Dy: (205) 255-3311. Res: (205) 598-4668. S: Laura. Dy: Cdr, E Co, 1/145 Avn Regt. Rtg: AA. IP. Qual: CH-47D. Time: 900 Hrs.

**TARR, Andrew M.**, (CPT) (M81) (Andy) 5101 Ne Laurekrest Lane, Seattle, WA 98105. Res: (206) 524-6559. Dy: Student, Univ of WA. Rtg: AA. Qual: AH-1S. Time: 800 Hrs. Grad: Mar 80.

**TARUTANI, Jerome M.M.**, (CPT) (M87) 94-1183 Kips A Place, No. 8, Waipahu, HI 96797. Dy: (808) 656-1258. Res: (808) 677-1220. Dy: Production Control Officer, Wheeler AFB. Rtg: AA TP. Maint Crs: UH-1H. Sd Crs: Mil. Qual: UH-60A. Time: 550 Hrs.

**TAUBER, Eric S.**, (CPT) (M84) (E.T.) 201 Colony Drive, No. 18, Enterprise, AL 36330. Dy: (205) 255-3341. Res: (205) 347-5557. S: Julie. Dy: Avn Adv Course, Ft. Rucker. Rtg: AA. Time: 750 Hrs. Grad: Aug 85.

**TAYLOR, Barry P.**, (CPT) (M85) 102 Pratt Drive, Enterprise, AL 36330. Dy: (205) 255-4720. Res: (205) 393-2144. S: Pam. Dy: Cdr Shell Army Airfield, Ft. Rucker, 1-14 Avn Bn. Rtg: AA. Time: 488 Hrs. Grad: Jan 85.

**TAYLOR, Mark C.**, (1LT) (M87) 604 Mary Jane, Killeen, TX 76543. Dy: (817) 288-1418. Res: (817) 554-8279. Dy: Atk Pit Ldr, 1/227 Avn Regt, 1st Cav Div, Ft. Hood. Rtg: AA. Qual: AH-64A. Time: 320 Hrs. Grad: Apr 88.

**TAYLOR, Ronald K.**, (CPT) (M88) (Ron) 405 Hastings, Belton, TX 76513. Dy: (817) 287-6326. Res: (817) 939-3269. S: Linda. Dy: S-1 1st Sqdn, 6th Cav, 8th Cav Bde, Ft. Hood. Rtg: AA. Qual: AH-64A. Time: 600 Hrs. Grad: Aug 86.

**TETRAULT, Glenn T.**, (CPT) (M83) 4267 Oakland Avenue, Fort Knox, KY 40121. Dy: (502) 624-2511. Res: (502) 942-3750. S: Laura Ann. Dy: Small Grp Instr/AR Adv Cr. Rtg: MAA IP. Maint Crs: UH-1. Qual: AH-1. Time: 3,000 Hrs./Cbt 700 Grad: Mar 71. AM/19. Past SRVP, Thunderbolt Chapter.

**TEWES, Laura L.**, (1LT) (M86) 501 Iroquois Dr, Enterprise, AL 36330. Res: (205) 347-5892. S: Vincent. Dy: E Co, 1/13th Avn, Ft. Rucker. Rtg: AA. Time: 285 Hrs. Grad: Nov 87.

**THIBODEAU, Mark A.**, (2LT) (M88) (Thib) RR 3, Box 292, No. 88, Enterprise, AL 36330. Dy: (205) 255-3311. Res: (205) 347-7612. Dy: Student/IERW, E Co, 1-145 Avn. Rtg: AA. Time: 59 Hrs. Grad: Jun 89.

**THOMAS, Kelly J.**, (CPT) (M83) P Tnp 4/2 ACR, Box 263, APO NY 09092-0216. S: Sue. Dy: Air Cav Tpr Cdr. Rtg: SAA. Qual: AH-1S. Time: 1,800 Hrs./Cbt 32 Grad: May 82.

**THOME, Michael N.**, (CPT) (M83) 107 Candlewood Drive, Enterprise, AL 36330-9724. Dy: (205) 255-3551. Res: (205) 393-2596. S: Selina. Dy: D Co, 1-14 Avn, Ft. Rucker. Rtg: AA. IP. Qual: AH-1S. Time: 1,300 Hrs. Grad: Jan 83.

**THOMPSON, Harry H.**, (CPT) (M80) 114 Margatha Drive, Savannah, GA 31406. Dy: (912) 352-5887. Res: (912) 355-5793. S: Mary Kay. Dy: Bn S-3, 3-24th Avn Regt, Hunter AAF. Rtg: AA. Qual: AH-1S. Time: 1,100 Hrs. Grad: Sep 80.

**THOMPSON, John W.**, (2LT) (M88) N Troop, 2 CAS, 2 ACR, P.O. Box 10108, APO New York 09092-0216. Dy: ETS 4614-825. Res: 0911-884-104. S: Lashelle. Dy: Atk Pit Ldr, Air Cav Tpr, Feucht Army Airfield, Nurnberg, Germany. Rtg: AA. Grad: Dec 88.

**THOMPSON, Ralph C.**, (1LT) (M89) C Company, 2/3 Aviation, APO New York 09182. S: Patti. Dy: Atk Pit Ldr, Giebelstadt AAF, FRG. Rtg: AA. Qual: AH-1S. Time: 300 Hrs. Grad: Aug 88.

**THORSEN, Timothy J.**, (CPT) (M79) HHC CAB 3d Ad, APO New York 09165. Dy: 3288279. Res: 0618371912. S: Dottie. Dy: Asst Divn Ofcr, Frankfurt, FRG. Rtg: AA. IP. Maint Crs: UH-1H. Time: 1,500 Hrs. Grad: Jun 80.

**THRASH, Christopher B.**, (1LT) (M87) Tnp C, 3 Sgdn, 7th Cav, APO New York 09028-5000. Dy: 1-49-6217-529-5215. Dy: Atk Hcpr Pit Ldr, Coleman Bks, FRG. Rtg: AA. Qual: AH-1S. Time: 350 Hrs. Grad: Feb 88.

**THURSTON, Timothy J.**, (2LT) (M88) 1330 N. Finley Point Road, Polson, MT 59960. Res: (406) 887-2554. S: Caroline. Dy: 9th Cav Bde, Ft. Lewis. Rtg: AA. Maint Crs: TP. Sd Crs: UH-60. Qual: UH-60A. Time: 278 Hrs.

**TILLAR, Donaldson P.**, (2LT) (M88) 200 Natchez, Enterprise, AL 36330. Dy: Flight School, Ft. Rucker. Time: 100 Hrs. Grad: Feb 89.

**TIMMONS, Max**, (CPT) (M86) P.O. Box 672, Fort Huachuca, AZ 85613-0672. S: Elizabeth. Dy: USA Intelligence Ofcr Adv Course, Ft. Huachuca. Rtg: AA. Maint Crs: UH-1. Time: 810 Hrs. Grad: Nov 85.

**TISDALE, Valen S.**, (2LT) (M87) (Val) 938 London Green Way, Colorado Springs, CO 80906. Dy: (719) 579-4594. Res: (719) 540-9373. S: Lisa A. Dy: III/V Pit Ldr, 1-4 Avn Regt, Ft. Carson. Rtg: AA. Time: 300 Hrs.

**TODD, Maurice L.**, (CPT) (M82) (Lin) USMOG, UNTSO, APO NY 09672-0008. Dy: Military Observer, UN Truce Supervision Organization. Rtg: AA. Maint Crs: UH-1 CH-47 AH-1. Time: 800 Hrs. Grad: Sep 82.

**TOLMACHOFF, Mark A.**, (1LT) (M88) (Hawk) 2053 Anlu Place, Pearl City, HI 96782. Dy: (808) 656-6122. Res: (808) 458-8508. Dy: Asst S-3, 1-25 Avn Regt, Schofield Bks. Rtg: AA. Qual: AH-1S. Time: 450 Hrs.

**TOTH, David A.**, (2LT) (M88) 1603 East Andrews Ave, Apt. 13C, Ozark, AL 36360. Dy: (205) 255-3311. Res: (205) 774-8635. S: Geraldine M. Dy: E Co, 1/145 Avn, Ft. Rucker. Rtg: AA. Time: 120 Hrs. Grad: Jun 89.

**TOUCHET, Joseph E.**, (2LT) (M88) 304 Meadowgreen Drive, Clarksville, TN 37040. Dy: (615) 798-4692. Res: (615) 552-3706. S: Caroline. Dy: D Tnp, 2/17 Cav, Ft. Campbell. Rtg: AA. Qual: UH-60A. Time: 840 Hrs. Grad: Apr 85.

**TOUMAJAN, Juliana L.**, (2LT) (M88) 661-11 Bartons Landing, Fayetteville, NC 28314. Dy: (919) 398-4122. Res: (919) 487-0886. S: Stephen. Dy: 1/159th Avn, Ft. Bragg. Rtg: AA. Qual: UH-60A. Time: 164 Hrs. Grad: Apr 89.

**TOWER, Martin J.**, (1LT) (M87) 0 Troop, 4/2 ACR, Box 10204, APO New York 09082. Dy: Pit Ldr, Atk Hcpr, Feucht, FRG. Rtg: AA. Qual: AH-1S. Time: 730 Hrs. Grad: Sep 85.

**TRANG, Jeffrey A.**, (CPT) (M85) (Jr) 2603 Tortoise Lane, Killeen, TX 76542. Dy: (817) 287-1999. Res: (817) 628-7525. S: Dianna.

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**MCDONNELL DOUGLAS**

Dy: Asst S3 (Ops) HHC, Avn Bde, 2d AD. Rtg: AA. Qual: AH-1S AH-64. Time: 900 Hrs. Grad: Sep 84.

**TRAYLOR, John M., (1LT) (M86) (J.T.) HSC** 2-4 Aviation, APO New York 09185. S: Karole. Dy: Spt Plt Ldr, HSC 2-4 Avn, Finthen, W. Germany. Rtg: AA. Qual: AH-1S. Time: 525 Hrs. Grad: Dec 86.

**TRESKY, William D., (CPT) (M80) (Bill)** 19th Cmmc, APO NY 09457. S: Stephanie. Dy: Chief, Avn Div, Wiesbaden, FRG. Rtg: SAA TP. Maint Csr: AH-1 UH-1. Qual: AH-1S. Time: 1,335 Hrs. Grad: Apr 81.

**TRIPLETT, David S., (1LT) (M86)** 3011-P Walnut Creek, Raleigh, NC 27608. Dy: 919-733-2555. AV 582-9181. Res: 919-851-3141. S: Susan. Dy: Cdr B Co, 1/130 AHB, NCARNG. Rtg: AA. Qual: AH-64. Time: 1,000 Hrs. Grad: Mar 85.

**TROLLAN, Vincent P., (1LT) (M86) (Vince)** S Trp, 4/11th ACR, APO NY 09146. S: Suzanne. Dy: Plt Ldr, Fulda FRG. Rtg: AA. Qual: UH-60A. Time: 500 Hrs. Grad: Nov 86.

**TROMETER, Paul, (CPT) (M86)** 146 Almont Avenue, West Seneca, NY 14224. Dy: E Co, 142d Avn Regt, Niagara Falls, NY. Rtg: AA. Maint Csr: UH-1.

**TROUTMAN, Dawn M., (2LT) (M88) (Charlie)** 2206 Kilpatrick Avenue, Erie, PA 16503. Dy: (255) 255-2313. Dy: C Co, 1-501st Avn, Camp Page, Korea. Rtg: AA. Qual: UH-60A. Grad: Mar 89.

**TRUMBULL, Harry E., (CPT) (M88)** 103 Candlewood Drive, Enterprise, AL 36330. Dy: (205) 255-4212. Res: (205) 393-1756. S: Debra. Dy: Co A, 1-212th Avn, Alb, Ft Rucker. Rtg: AA. Qual: UH-60A. Time: 1,600 Hrs.

**TURNER, Richard J., (1LT) (M87) (Rich)** 1603 East Andrews, Apt. 7A, Ozark, AL 36360. Res: (205) 774-3048. S: Arny H. Dy: Adv Course 89-04, E Co, 1/13 Avn, Ft. Rucker. Rtg: AA. Time: 300 Hrs. Grad: Feb 88.

**TWIGG, Theodore W., (CPT/P) (M87)** 407 Antler Dr, Enterprise, AL 36330. Dy: (205) 255-5057. Res: (205) 347-1649. S: Sabrina. Dy: HHC, 1-14th Avn, Rtg: AA. Qual: UH-60A. Time: 1,030 Hrs. Grad: May 82.

## UUUUU - WWW

**ULSH, Gregory J., (CPT) (M89)** 6955 Calamar Drive, Fayetteville, NC 28314. Dy: (919) 432-9877. Res: (919) 864-3177. S: Natasha. Dy: HHC 2/82 Avn Bde (CASS). Rtg: AA. Qual: UH-60A. Time: 900 Hrs. Grad: Oct 83.

**VALENTINE, John E., (CPT) (M89)** N Troop, 4/11 ACR, APO New York 09146. Dy: Cdr, N Trp, 4/11 ACR, Fulda, W. Germany. Rtg: AA. Qual: AH-1S. Time: 2,200 Hrs. Grad: Oct 81.

**VALENTINE, Mark E., (CPT/P) (M80)** 6108 Bayonne, Columbus, GA 31909. Dy: (404) 545-3915. Res: (404) 561-2714. S: Patti. Dy: Avn Branch Instr, Ft. Benning. Rtg: AA. Qual: UH-60A. Time: 700 Hrs.

**VAN RENSSLAER, H.B., Jr., (CPT) (M86)** (Rig) The Yacht "Flute" Flagship Yacht Haven, St. Thomas, USVI 00802. Rtg: AA.

**VANBREKE, William J., (2LT) (M89)** 1330 E. Andrews, Ozark, AL 36360. Dy: (205) 255-4102. Res: (205) 774-6323. S: Stephanie. Dy: E Co, 1-145th Avn Regt, Ft. Rucker. Rtg: AA.



## Aviation Officer Directory

**VANDENBROCK, Scott P., (CPT) (M88)** 17 Irwin Street, Fort Rucker, AL 36362. Dy: (205) 255-3102. Res: (205) 598-4312. S: Mindy Lou. Dy: Textron Aviation Board, Ft. Rucker. Rtg: AA. IP. Time: 1,800 Hrs. Grad: Apr 83.

**VANDENGRIFT, Kennard A., (CPT) (M86)** (Alan) 208 Edith Way, Daleville, AL 36322. Dy: (205) 255-2366. Res: (205) 598-4326. S: Elizabeth. Dy: Cdr, A Co, 1/223d. Rtg: AA. AF. IP. Time: 1,000 Hrs. Grad: Dec 81.

**VAN ORMAN, Susan E., (1LT) (M87)** 232 Tunisia, Fort Ord, CA 93941. Dy: (408) 242-3691. Res: (408) 394-1319. S: Matthew. Dy: Platoon Leader, B Co, 3-123rd Avn. Regt. Rtg: AA. Qual: UH-60A. Time: 900 Hrs. Grad: Nov 87.

**VARNER, Carol L., (CPT) (M85)** 1130 James Taylor Road, Moody, AL 35004-2612. Dy: (205) 338-9407. Res: (205) 640-4227. Dy: XO, 991st Medical Detachment (AA), Crowswell, AL. Rtg: AA. Time: 750 Hrs. Grad: Oct 85.

**VENUS, Helga, (CPT) (M87)** P.O. Box 53457, Fort Benning, GA 31905. Dy: (404) 545-2410. Dy: Service Platoon Ldr, 498th Medical Co (AA). Rtg: AA. Qual: UH-60A. Time: 850 Hrs. Grad: Jul 84.

**VIANA, Alfred, (CPT) (M83)** 4809 E. Hobart St, Mesa, AZ 85205. Dy: (602) 991-3506. Res: (602) 985-4236. S: Tracy. Dy: Contr, ARPD. Rtg: AA. TP. Maint Csr: UH-1 AMOC. Qual: AH-1S AH-64A. Time: 800 Hrs. Grad: Oct 82.

**VINING, Kenneth A., (CPT) (M84)** 28 Cloverdale, St. Charles, MO 63303. Dy: (314) 623-1687. Res: (314) 926-2078. S: Kathy. Dy: Aerospace Engr, USAFVSCOM (AMSAV-ECU), St. Louis. Rtg: AA. Qual: UH-60A. Time: 1,030 Hrs. Grad: Feb 84.

**VIOLA, James A., (CPT) (M85)** (Toby) 3700 Buena Vista Road, Apt. 195, Columbus, GA 31906. Dy: (404) 689-5388. Res: (404) 689-1268. S: Sophia. Dy: IOAC, Ft. Benning. Rtg: AA. S. C. Mil. Qual: AH-1S. Time: 1,000 Hrs. Grad: Jan 86.

**VITULLO, Roland E., (CPT) (M84)** 4th Sqdn, 11 ACR, Bx 281, APO NY 09146. S: S Trp Cdr, 4/11 ACR, Fulda, W. Germany. Rtg: AA. Qual: UH-60A. Time: 1,000 Hrs. Grad: Nov 84. VP, Thunderbolt Chapter.

**VOGLER, Louis, (1LT) (M87)** 4th Squadron, 2 ACR, APO New York 09092. Dy: Asst S-1, Feucht AAF. Rtg: AA. Qual: AH-1S. Time: 600 Hrs. Grad: Jul 87.

**VOGT, Lance A., (CPT) (M89)** 1772 Theresa Drive, Clarksville, TN 37043. Rtg: AA.

**VON RINTEL, James J., (CPT) (M82)** (Jim) 5110 Evergreen Knoll Cr., Alexandria, VA 22303. S: Bonnie. Dy: Soldier Support Center. Rtg: AA. Maint Csr: UH-1 AH-1 OH-58. Time: 1,400 Hrs. Grad: Jul 80.

## WWWWW - ZZZZ

**WAGNER, Keith C., (CPT) (M86)** (Wags) 32 S. Nicholson Circle, Savannah, GA 31419. Dy: (912) 352-5110. Res: (912) 827-8429. S: Tana. Dy: Hunter AAF Cdr, Victory Bde, Hunter AAF. Rtg: AA. Maint Csr: UH-1 U-21. Time: 700 Hrs. Grad: May 85.

**WAGNER, Scott D., (CPT) (M82)** 977 Pine Tree Way, Lancaster, PA 17601. Dy: (717) 898-0890. Res: (717) 898-7295. S: Betsy. Dy: Program Mgr, TSC Educational Systems, Inc. Rtg: SAA. IP. Qual: AH-1S. Time: 1,500 Hrs. Grad: Oct 82.

**WAGNER, Scott K., (2LT) (M89)** CMR 2, Box 13741, Fort Rucker, AL 36362. Dy: (205) 255-3311. Res: (205) 598-3333. Dy: E Co, 1-145th Avn Regt. Rtg: AA.

**WALKER, Gary S., (CPT) (M82)** 8903 Autumn Line Loop, Olympia, WA 98503. Dy: (206) 967-4996. Res: (206) 459-9527. S: Linda. Dy: Asst Avn Div Ofcr, 9 ID. Rtg: SAA. Qual: UH-60A. Time: 1,400 Hrs. Grad: Jul 80.

**WALLER, Henry H., III, (CPT) (M81)** (Bucky) 1111 Tyler Drive, Copperas Cove, TX 76522. Dy: (817) 288-9019. Res: (817) 542-2362. S: Valerie. Dy: Avn Maint Ofc, A Co, 15th Mil Bn, Ft. Hood. Rtg: AA. TP. Maint Csr: UH-60 UH-1. Qual: UH-60A. Time: 1,100 Hrs. Grad: Dec 79.

**WALSH, Guy J., (CPT) (M84)** 3349 Pinegrove, Huntsville, TX 77340. Dy: (409) 295-3669. Res: (409) 294-0540. S: Karen. Dy: Asst Professor of Military Science, Sam Houston State University. Rtg: AA. Time: 355 Hrs. Grad: Sep 84.

**WALTERS, Robert G., (CPT) (M88)** (Bob) 144 Tide Ave, Monterey, CA 93940. Res: (408) 372-6188. Dy: Cdr, B Trp, 2-9 Cav, 7th ID, Ft. Ord. Rtg: AA. Time: 760 Hrs. Grad: Dec 82.

**WARDLAW, David E., (CPT) (M87)** (Dew) H Co, 1st Avn Regt, Box 1841, APO New York 09250. S: Leslie. Dy: Cdr, Forward Avn Maint Co (AAVUM). Dy: Phoenix, 1st Avn Regt, 1st Avn, FRG. Rtg: AA. Qual: UH-60A. Qual: UH-60A. Time: 900 Hrs. Grad: May 84.

**WATSON, Terri, (CPT) (M85)** A Co, 1st Mil Bn (AEB), APO New York 09457. Dy: 337-6393/6391. Dy: Communications Electronics Ofcr, Wiesbaden AB, FRG. Rtg: AA. TP. Maint Csr: PW. Time: 750 Hrs. Grad: May 85. Treva, Taurus Chapter.

**WEBB, Charles M., (CPT) (M82)** 602 Iroquois St, Enterprise, AL 36330. Dy: (205) 255-3341. S: Sue. Dy: F Co, 1-13th Avn, Ft. Rucker. Rtg: AA. Time: 700 Hrs. Grad: Jul 83.

**WEBB, Russell L., (1LT) (M89)** 4817 Old Field Road, Fayetteville, NC 28304. Dy: (919) 396-7300. Res: (919) 423-2613. S: Sheri. Dy: Bn. Adjutant, 2nd Bn, 159th Avn Regt, Ft. Bragg. Rtg: AA. Qual: CH-47. Time: 700 Hrs.

**WEBER, Eric C., (2LT) (M86)** AASF 4 Scottville Rd, Rochester, NY 14624. Dy: (716) 235-5088. Res: (716) 225-1655. Dy: S: Christine. Dy: Maint Test Pilot, AASF #4, Rochester. Rtg: AA. TP. Maint Csr: UH-1. S. C. Mil. Qual: UH-1. Time: 500 Hrs. Grad: May 85.

**WEBER, Patrick A., (2LT) (M89)** 409 Springdale Ave, Enterprise, AL 36330. Dy: (205) 255-3311. Res: (205) 347-7191. S: Anela. Dy: E Co, 1-145th Avn Regt, Ft. Rucker. Rtg: AA.

**WELDON, Marcus J., (CPT) (M83)** 7600 Wood Hollow Drive, Apt. 1117, Austin, TX 78731. Dy: (512) 479-0308. Res: (512) 338-4690. S: Lauren D. Dy: Flight Operations Officer. Rtg: AA. Qual: AH-1S. Grad: Nov 83.

**WELLS, Stephen M., (CPT) (M88)** 5/6 Cav, 12th Avn Bde, APO New York 09457. S: Linda. Dy: Sgdn Act Maint Ofcr, Wiesbaden AB, FRG. Rtg: AA. Maint Csr: UH-1. Qual: UH-60A. Time: 750 Hrs. Grad: Oct 83. Past Sec, Mid-America Chapter.

**WENNESON, Thomas H., (1LT) (M88) (Tom)** 5/6 Cav, 12th Avn Bde, APO NY 09457. S: Anne. Dy: Platoon Ldr, C Trp 5/6 Cav (APACHE), Wiesbaden FRG. Rtg: AA. Qual: AH-64A. Time: 350 Hrs.

**WERNER, Paul D., (CPT) (M88) 56th Aviation Company, APO New York 09028. S: Mila. Dy: Service Plt Ldr, Coleman Bks, FRG. Rtg: AA TP. Maint Crs: UH-1. Time: 500 Hrs. Trea, Rhine Valley Chapter.**

**WESTPHAL, Steven D., (CPT) (M87) (Steve)** 1051 Angela Drive, Clarksville, TN 37042. Res: (615) 552-4558. S: Wendy. Dy: Ops Officer, A Co, 160th Avn Regt. Rtg: SAA IP. Qual: AH-1S. Time: 1,950 Hrs. Grad: May 81.

**WHEELER, William W., (1LT) (M85) (Bill)** 220th AHC, Box 2714, APO NY 09250. S: Valerie. Dy: Plt Ldr Kattenbach. Rtg: AA. Qual: UH-60A. Time: 700 Hrs. Grad: Oct 86.

**WHITE, B. Gordon, (CPT) (M81) (Gordon)** 421 Warner Pk Rd, Manhattan, KS 66502. Dy: (913) 239-2417. Res: (913) 776-6026. S: Kathryn. Dy: Sqdn XO, HHT 1-4 Cav, Ft. Riley. Rtg: SAA. Qual: AH-1S. Time: 1,000 Hrs. Grad: Apr 81.

**WHITE, Karen K., (CPT) (M80) PO Box 267, B Co, 2d MI Bn, APO NY 09359-0518. S: Frank. Dy: HHS Co, 2d MI Bn, Echterdingen, FRG. Rtg: AA TP. Maint Crs: UH-1. Time: 1,900 Hrs. Past VP, Old Ironsides Chapter.**

**WHITE, Mitchell-Doree, (1LT) (M89) 933-C Kingsbury Drive, Clarksville, TN 37043. Dy: (502) 798-6704. Res: (615) 648-4350. S: Michael D. Dy: Plt Ldr, C/5-101 Avn Regt. Rtg: AA. Time: 489 Hrs.**

**WHITE, Michael E., (CPT/P) (M86) D V 35-4, Edwards AFB, CA 93523. Dy: (805) 277-4784. Res: (805) 258-4609. S: Kathryn. Dy: Army Engr Ft. Edwards AFB, Rtg: MAA TP. Maint Crs: UH-1. Qual: AH-1S CH-47D UH-60A. Time: 4,500 Hrs./Cdt 800 Grad: Jun 71. DFC/1 AM/28.**

**WHITFIELD, F. Craig, (CPT) (M85) (Craig)** 2078 B Werner Park, Fort Campbell, KY 42223-1104. Dy: (502) 798-4402. Res: (615) 431-6904. S: Anne Marie. Dy: Asst S-3, HQ, Avn Bde. Rtg: AA. Qual: UH-60A. Time: 500 Hrs. Grad: Nov 84.

**WHITNEY, Randy W., (CPT) (M84) C Company, 1st Battalion, 501st Aviation, APO San Francisco 96208-0250. Dy: C Co, 1st Bn, 501st Avn, Camp Page, Korea. Rtg: AA. Qual: UH-60A. Time: 725 Hrs. Grad: Oct 83.**

**WIANT, Shawn E., (CPT) (M83) Box 76, HHT 4th Squadron, 2d ACR, APO New York 09092-0216. S: Diana. Dy: Cdr, HHT, 4th Sqdn, 2d ACR, Feucht Army Airfield, FRG. Rtg: AA. Time: 650 Hrs. Grad: Nov 84.**

**WILEY, Carl D., (CPT) (M81) F Troop, 1/17 Cavalry, Fort Bragg, NC 28303. Dy: (919) 396-2925. Res: (919) 896-2523. S: Bonita. Dy: Cdr, F Trp, 1/17 Cav, Ft. Bragg. Rtg: AA TP. Maint Crs: UH-60. Qual: UH-60A. Time: 550 Hrs. Past VP, Hanau Chapter.**

**WILKIE, James B. IV, (CPT) (M89) (Jim)** 10530 Willow Meadow Cir., Alpharetta, GA 30021. Dy: (404) 867-4400. Res: (404) 442-1373. S: Becky. Dy: Cdr, B Co, 244th Avn Regt. Rtg: AA. Qual: AH-1S. Time: 825 Hrs.

**WILLEY, Monty E., (CPT) (M83) 25 TFS, Box 718, APO San Francisco 96461. Dy: AV 788-5271. Res: AV 788-5587. Dy: Ground Liaison Officer, 25th TFS (A10), Suwon A.B. ROK. Rtg: AA.**



## Aviation Officer Directory

**WILLIAMS, Benjamin H., (CPT) (M81) (Ben)** 97 N. Harris Drive, Fort Rucker, AL 36362. Dy: (205) 255-2600. Res: (205) 598-8105. S: Gina. Dy: Aide-de-Camp to the Commanding General, US Army Avn Center. Rtg: AA IP. Qual: AH-1S. Time: 900 Hrs. Grad: Feb 82.

**WILLIAMITIS, Gregory M., (CPT/P) (M89)** 1912-4 Tryon Drive, Fayetteville, NC 28303. Dy: (919) 432-5238. Res: (919) 822-2929. S: Ginger. Dy: Bde Asst S-3, HHC 82d Avn Bde, Ft. Bragg. Rtg: AA. Qual: AH-1S AH-64. Time: 1,200 Hrs. Grad: May 79.

**WILLIAMS, Jeffrey N., (CPT) (M82) 502 Seaway Drive, Seabrook, TX 77586. Dy: (713) 483-5994. Res: (713) 532-1991. S: Anna Marie. Dy: NASA-Johnson Space Ctr, Houston. Rtg: AA. Time: 950 Hrs. Grad: Oct 81.**

**WILLIAMS, Richard L., (2LT) (M85) 507 Briarwood Dr, Apt. 13-B, Enterprise, AL 36330. Dy: (205) 255-3937. Res: (205) 347-2297. S: Donna Ruth. Dy: Student Pilot, Ft. Rucker. Rtg: AA.**

**WILSON, Marilee D., (CPT) (M88) B Company, 4/58th Aviation, APO San Francisco 96271-0152. Dy: 753-7558. Dy: ATC Plt Ldr, B Co, 4/58th Avn, Camp Humphrey, Korea. Rtg: AA. Time: 1,600 Hrs. Grad: Jun 84.**

**WILSON, Patrick O., (CPT) (M83) 15th Medical Det (RG), APO NY 09114-3626. S: Ginger. Dy: Flight Ops Off, 15th Medical Det (RG) Grafenwoehr, Germany. Rtg: AA IP. Qual: UH-60A. Time: 1,800 Hrs. Grad: Apr 83.**

**WILSON, Ronald E., (CPT) (M86) 612 Morgan Lane, Enterprise, AL 36330. Dy: (205) 255-2770. Res: (205) 347-4255. Dy: MSC Advertiser to DES, Ft. Rucker. Rtg: MAA IP. Maint Crs: UH-1 UH-60 FW. Sal Crs: Mil & Civ. Qual: UH-60A. Time: 2,900 Hrs. Grad: Jan 74.**

**WISKUS, Kevin R., (1LT) (M87) 2208 Heights Drive, Harker Hts, TX 76543. Dy: (817) 287-9396. Res: (817) 690-6481. S: Elizabeth. Dy: LNO, 1-6 Cav, 6 Cav Bde (AC), Ft. Hood. Rtg: AA. Qual: UH-60A. Time: 325 Hrs. Grad: Nov 87.**

**WOOD, Bradley J., (1LT) (M85) (Robocop)** 4353-4 9th St, Ft. Wainwright, AK 99703. Dy: (907) 353-7484. Res: (907) 356-2910. S: Shara. Dy: Asst Bde S-4 (Budget) Avn Bde 6th ID (L). Rtg: AA. Time: 750 Hrs. Grad: Jul 86.

**WOOD, David C., (1LT) (M85) 401 Twin Creek Drive, No. 3D, Killeen, TX 76543. Dy: (817) 288-1415. Res: (817) 690-8132. Dy: HSC, 1/227 Avn Regt, 1st Cav Div, Rtg: AA. Qual: AH-64A. Time: 700 Hrs. Grad: Aug 86.**

**WOOD, David E., (1LT) (M87) A/5 159th Avn Bn 117, APO New York 09025. S: Lisa. Dy: Sec Ldr, Rtg: AA. Qual: CH-47D. Grad: Apr 87.**

**WOOD, Paul J., (CPT) (M87) (Woody)** 32 Red Cloud Rd, Ft. Rucker, AL 36362. Dy: (205) 255-4691. Res: (205) 598-8295. S: Michelle. Dy: Ft. Ops Off, Avn Trng Bde, Rtg: AA IP. Maint Crs: OH-58. Time: 750 Hrs. Grad: Sep 83.

**WOODARD, Gregory L., (CPT) (M83) (Greg)** 403 Willow Drive, Enterprise, AL 36330. Dy: (205) 255-4313. Res: (205) 347-9863. S: Kim. Dy: Directorate, Avn Propensity, Ofc of Personnel System, Ft. Rucker. Rtg: AA IP. Maint Crs: UH-1. Time: 1,505 Hrs. Grad: Mar 83.

**WOODARD, James D., (CPT) (M83) 207th Aviation Co, Box 39, APO New York 09102.**

Dy: Maint Ofcr, 207th Avn Co, Heidelberg, FRG. Rtg: AA TP. Maint Crs: UH-1. Time: 1,500 Hrs./Cdt 950 Grad: Apr 83. AM/25.

**WOOLERY, Ray C., (CPT) (M84) 12159 El Camara Drive, Florissant, MO 63033. Dy: (314) 263-1946. Res: (314) 653-0227. S: Pamela. Dy: APACHE PMO. Rtg: SAA. Qual: AH-1S UH-60. Time: 1,500 Hrs. Grad: Jun 81. VP, Lindbergh Chapter.**

**WORSHAM, Michael H., (CPT) (M81) (Mike)** 9304 Hall Circle, Eagle River, AK 99577. Res: (907) 694-6722. S: Theresa. Rtg: AA. Qual: AH-1S. Time: 1,100 Hrs. Grad: Apr 82.

**WRIGHT, Richard K., (2LT) (M88) (Dick)** 4914 Cita Drive, Colorado Springs, CO 80916. Dy: (719) 579-3767. Res: (719) 570-9825. S: Robin Ann. Dy: Rotary Wing Pilot, Avn Maint Ofcr, Ft. Carson. Rtg: AA. Maint Crs: CH-47. Qual: CH-47D. Time: 800 Hrs. Grad: Feb 88. Trea, Pikes Peak Chapter.

**YAMATO, Wayne T., (CPT) (M85) 13810 A Amiot Drive, St. Louis, MO 63146. Dy: (314) 263-1016. Res: (314) 434-0878. Dy: Avn Logistician, AVSCOM. Rtg: AA. Maint Crs: UH-1H. Time: 600 Hrs. Grad: Apr 82.**

**YARBOROUGH, Michelle F., (CPT) (M81) (Shelley)** 118 Springdale Way, Hampton, VA 23668. Dy: (805) 277-4643. Res: (804) 826-1612. S: Billy. Dy: Stud, Naval TP Schl, Patuxent River, MD. Rtg: AA TP. Maint Crs: AH-1. Qual: AH-1S. Time: 900 Hrs. Grad: Jun 82.

**YOMANT, Charles M., (CPT) (M84) (Chuck)** 3380 Durrett Drive, Clarksville, TN 37042. Dy: (502) 798-3837. Res: (615) 431-5682. Dy: 160th Special Opn Avn Group, Ft. Campbell, KY. Rtg: AA. Time: 900 Hrs. Grad: Dec 83.

**YOUNG, Charles L., (CPT) (M87) 6122 Willow Oaks Drive, Ozark, AL 36360. Dy: (205) 255-4605. Res: (205) 774-2665. S: Cynthia. Dy: Cdr, C Co, 1-212th Avn, Ft. Rucker. Rtg: AA IP. Time: 725 Hrs. Grad: Jan 84.**

**YOUNG, Lissa V., (1LT) (M86) 4070-F Autumn Hgts Dr., Col Spgs, CO 80906. Dy: (719) 579-2860. Dy: Task Force 4-4 Asst. S-3, 4th Avn Bde, Ft. Carson. Time: 390 Hrs. Grad: Sep 87.**

**YOUNG, Thomas W., (CPT) (M84) (Tom)** 1348 Werner Park, Ft. Campbell, KY 42223-1106. Dy: (502) 798-2054. Res: (615) 431-6480. S: Carleice. Dy: E Co, 160th SOAG (Abn). Rtg: SAA. Qual: CH-47D. Time: 1,500 Hrs. Grad: Jun 80.

**ZAHRT, Frank H., (CPT/P) (M77) 104 Auburn Drive, Waynesville, MO 65583. Dy: (314) 366-1371. Res: (314) 774-2353. S: Debbie. Dy: U.S. Army Engr Schl, DCD, Ft. Leonard Wood. Rtg: MAA TP. Maint Crs: AMDC CH-47 UH-1. Qual: CH-47D. Time: 5,000 Hrs./Cdt 700 Grad: Jun 71. AM/11.**

**ZIENTEK, William J., (CPT) (M84) 6281 Lakehaven Dr., Fayetteville, NC 28304. Dy: (919) 396-5992. Res: (919) 425-7971. S: Suzi. Dy: Cdr, D Co, 82d Avn Bde, Rtg: AA TP. Maint Crs: UH-60A. Qual: UH-60. Time: 800 Hrs.**

**ZIMMER, Paul J., (CPT) (M81) HHC 3-58 Avn Regt, Box 121, APO NY 09025. S: Tonia. Dy: Cdr, HHC, 3/58th Avn Regt. Rtg: AA IP. Qual: UH-60A. Time: 1,550 Hrs.**

**ZUCCA, Michael J., (CPT) (M82) (Mike)** 517 No. 7 Rimrock Terrace, Fort Riley, KS 66442. Dy: (913) 239-2399. Res: (913) 784-5807. S: Patricia. Dy: Asst PAO. Rtg: AA. Maint Crs: UH-1. Time: 600 Hrs. Grad: Apr 82. Past VP, Taunus Chapter.

## NVG - cont. from p. 8

In 1974, the Directorate of Combat Developments at Ft. Rucker submitted a Required Operational Capability (ROC) for Night Vision Systems for Army Aircraft. The ROC identified the user's requirements for a light amplification and a thermal imaging night vision system. The U.S. Army Training and Doctrine Command (TRADOC) approved the ROC on 3 January 1975.

The U.S. Army initiated a Research and Development effort to build a helmet mounted night vision goggle to aviation specifications. The AN/AVS-6 Aviators Night Vision Imaging System is a product of this effort.

### Three Modifications

Army Aviators use the AN/PVS-5 NVGs and the AN/AVS-6 Aviators Night Vision Imaging System (ANVIS) in Army Aviation today. Presently, the Army has approved three modifications for the AN/PVS-5 NVG used in Army Aviation; Modified Face Plate (MFP), Guard Experimental GX-5, and the Guard Mount GM-6.

The MFP is the most common configuration used in Army Aviation that and approved for use in 1983. The cutout of the bottom and sides of the face mask provides the pilot a look down and look around capability.

The GX-5 is a field modification to provide the aviator a flip up and flip down capability similar to the AN/AVS-6 ANVIS. The GM-6 modification uses the AN/AVS-6 mount assembly, dual battery pack,

and a fore/aft slide assembly. This modification provides the pilot with all the operational features of the AN/AVS-6 with the exception of the third generation image intensifier tubes. The GM-6 is the most advantageous modification since it provides the pilot a positive habit transfer from the AN/AVS-6. The Project Manager-Night Vision Electro Optics is procuring 8,000 mount kits for Army Aviators. Upon fielding of the GM-6 kit, it will become the only authorized modification for the AN/PVS-5 NVG's. By the year 2000, the AN/AVS-6 ANVIS will replace the AN/PVS-5 NVG's for Army Aviation.

### Superior Performance

The AN/AVS-6 ANVIS superior performance allows nap-of-the-earth (NOE) flight at very low light levels. ANVIS includes a binocular with third generation image intensifiers, helmet mount, and a dual battery pack. The superior low light level capability of ANVIS is obtained with state of the art third generation image intensifier technology that incorporates a gallium arsenide photocathode. The gallium arsenide photocathode extends the spectral sensitivity range to 950 nanometers, a region in the near infrared spectrum that illumination from the night sky is abundant. The ANVIS gives the pilot the capability to see at night with a direct view system superior to earlier generations of night vision devices.

### HUD

One of the product improvements under consideration by the Directorate of Combat De-

velopments at Ft. Rucker for the AN/AVS-6 ANVIS is a Heads up Display (HUD) attached to the ANVIS. The HUD provides the pilot with heading, altitude, attitude, airspeed, engine torque, low altitude warning, and master caution symbology superimposed on the ANVIS imagery. This will allow the pilot to remain "visually" outside the cockpit and monitor his instruments at the same time. The HUD is a non-development item available today which enhances the operational effectiveness of the ANVIS and safety of the aviator.

Night vision goggles are only one of many technological advancements made in night vision equipment in the last twenty-five years. Night vision equipment has proven to be an important asset to the Army Aviators in countering the threat on the battlefield. IIII

## Budget - cont. from p. 3

involves ICBMs and other strategic programs, the outcomes of these debates have great potential impact on conventional forces in general, and Army Aviation in particular.

Those in the Army Aviation community need to stay on top of the day-to-day problems that tend to crop up in any program in order to avoid becoming inviting targets to those who will be looking for ways in which to cut the budget.

Thank you very much. IIII

**AAAA**  
**Scholarship Foundation**  
**Announces 1990 Program**  
**Page 79**

# Helicopters Work Harder Without Being Harder to Work

Today's Army helicopter pilots face challenges their predecessors never knew. Missions for future pilots will be even more demanding. IBM's Systems Integration Division, in conjunction with Boeing Helicopters and Sikorsky Aircraft, are ensuring that integrated avionics evolve to meet these demands with maximum effectiveness and operability.

A prime example is the integrated avionics system that we are providing for the Army's MH-60K and MH-47E Special Operations Aircraft (SOA). Our approach retains a two-man operable cockpit, despite the substantial workload normally associated with special operations missions. Earlier non-integrated systems often required three operators.



MH-60K

Our SOA system is truly user-friendly with pilot-tailored display formats, natural and rapid control access, and software resident diagnostics. A modular design approach allows identical software packages for both helicopters. SOA users also benefit from the expertise we've gained on other integration programs. These include the V-22 Osprey, Combat Talon II MC-130H, HH-60 Night Hawk and SH-60B LAMPS MK III.



MH-47E

With SOA, we've given the Army a flexible, integrated avionics architecture, one that can be used in other applications. Wherever it goes, our system makes sure that helicopters work harder ... without being harder to work.



Systems Integration Division

## MH-60K - cont. from p. 16

any symbology or imagery, selectively, to either pilot. Additionally, each CRT has the capability of providing a 525 line or 865 line screen resolution. Formatting and symbology variables are selectable through the pushbuttons arrayed horizontally and vertically within each display bezel, or through operation of thumb-operated controls integrated within each cyclic stick grip. Backup instrumentation enables the flight crew to recover from total loss of all MFD information and maintain vehicle attitude, airspeed, altitude, and direction. A radar warning indicator and stabilator position indicator are provided above the backup instrument cluster.

In addition to the MFDs, each pilot is provided vehicle attitude, and airspeed symbology on his AN/AVS-6 night vision goggles (NVGs) to enhance vehicle handling during night operations when his attention is directed outside the cockpit. Filters at the CRT screen surface combined with a shut-down of the red and blue portions of the screen master enable compatible operations between the CRTs and NVGs. Backup instrumentation features bezel lighting to enable NVG compatible illumination at night. Master warning panels are retained from the UH-60A in front of each pilot to alert him to conditions affecting safety of flight or subsystem degradation.

Flight control grips provide a functional arrangement of switch controls to enable pilot selection of various display and mission subsystems, based on

criticality of the function and the frequency of use, while permitting him to maintain positive flight control.

### Avionics Architecture

Several advanced avionics subsystems have been integrated in the MH-60K to provide the capabilities necessary for the clandestine, deep penetration special operations mission. The basic avionics architecture consists of federated functional subsystems which are integrated using dual redundant 1553B digital data busses. Dual mission processors control overall system operation and perform critical processing. Dedicated subsystem processors perform the specialized computations needed to support the navigation controls and displays, map generation and aircraft survivability functions.

Four Multi-Function Display (MFD) are driven by two display processors. The crew can direct any video display to any of the MFDs. The pilot and copilot each have a full capability to call up mission displays and issue commands through the interactive consoles.

A broad spectrum of sophisticated sensors have been integrated into the MH-60K navigation subsystem to provide an assured capability to locate the mission objective and return safely. Integrated control of the MH-60K communications subsystem is provided through the MFDs and CDRs. The Aircraft Survivability Equipment (ASE) for the SOA is a separate, automatic subsystem. Control, status, and warning functions are provided through the MFSs.

Night penetration missions in

the MH-60K are supported by the Aviator's Night Vision Imaging System (ANVIS) and the video displays from the Forward-Looking Infra-Red (FLIR) sensor and the multi-mode TA/TF radar (MMR). Critical flight information is transmitted over the 1553B bus to the display processor for direct display on the pilot's ANVIS night vision goggles via the ANVIS Display System (ADS). The display processor also receives FLIR and MMR data for presentation on the MFDs.

Each of the avionics system components of the MH-60K provides status and diagnostic information to the mission processors on a continuous monitoring basis and upon operator command. The crew has access to the status of all avionics and aircraft equipment from the mission processors through the MFDs.

IIII

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**SEE PAGE 68  
FOR MORE  
DETAILS**

## Strategy - cont. from p.14

tion were used to reduce costs and eliminate unnecessary qualification testing. Maximum use of standard tools and TMDE was a primary requirement in the design of the MEP. Also, the two prime contractors have been encouraged to co-propose to common subcontracts to present the largest possible quantities to gain all available economies.

Further cost reductions efforts will be expended in production proposal evaluations. This evaluation will be in the form of should cost/could cost analysis. Teams have been assembled to begin review of both production proposals this summer.

### Small Quantity

The nature of the SOA program is such that few actions can be taken to increase competition. The five year defense plan authorized only 51 MH-47Es and 23 MH-60Ks. This small quantity of aircraft does not justify the acquisition of fully competitive Technical Data Packages (TDP) or dual sourcing. Should there be follow-on quantities of non-SOA aircraft with substantial SOA configuration commonality, the requirement for second sourcing will be addressed at that time. The government has retained its rights to procure competitive TDP's, by special contract requirements clause, in the R&D contract. This clause will also be included in the production contract.

Cost control will be a priority throughout the SOA program. The requirement for firm fixed price contracts will assist

in controlling cost growth. Stabilization of the ROC and the resulting baseline configuration are essential for controlling cost growth. Probable cost drivers will be advanced state-of-the-art equipment, flight characterization and software integration. Trade-off analysis will be conducted to contain costs within available resources.

The challenges to meet the goals of the SOA program are great and the course has been a sporty one. The high visibility and sensitivity to cost growth on this program has required a great deal of effort to assure we keep the program moving while maintaining cost control. However, SOA PMO is on the right track and these aircraft will be delivered on time and at an affordable price. IIIII

## SOA - cont. from p. 22

transceivers capable of both clear and secure operation; internal voice communications between crew members; and data communications external to the aircraft using the Airborne Target Handover System (ATHS).

The communications equipment, controlled via the MMS, has the capability for selection of prestored frequencies and channels, using a non-key-stroke-intensive procedure, to enhance ease of use and reduce operator errors. A Have Quick II frequency hopping UHF radio provides an Electronic Counter-Countermeasure (ECCM) capability. Provisions are also included for future installation of a SINCGARS frequency hopping VHF radio.

The integrated navigation subsystem, the sense of "touch" for the SOA, lets the system and crew know where they are with respect to the terrain, their destination, and the tactical situation.

The navigation system will be the most capable, reliable, and accurate system ever to be fielded for Army aviation. Operating in both self-contained and externally referenced modes, the system is designed to automatically reconfigure to the most accurate alternate navigation mode upon loss of a sensor capability.

The self-contained sensor includes an Inertial Navigation Unit (INU), a Doppler Navigation System (DNS), an Attitude Heading Reference System (AHRS), and air data sensors. Externally-referenced sensors include a GPS, TACAN, ADF, and VOR/ILS. In addition, a Personnel Locator System (PLS) has been integrated with the navigation system to give the position of downed aviators equipped with the AN/PRC-112 survival radio.

The ASE suite acts as the sense of "smell" for the SOA and is designed to smell trouble. The system is equipped with CW and pulsed radar warning receivers, a laser warning receiver, and a missile warning receiver. If these receivers detect trouble, the system has provisions for countermeasures. These include flare and chaff dispensers, a radar jammer and an IR missile jammer (MH-60K only).

In short, the SOA avionics system will be the most capable, reliable and maintainable integrated avionics system ever fielded for Army Aviation. IIIII

## Cockpits - cont. from p. 10

issued a delivery order to the American Electronics Laboratory (AEL) of Lancaster, PA, for the development of prototype MIL-L-85762 blue green Modification Work Order (MWO) kits for all the communications, navigation and identification control heads under CECOM's life cycle management umbrella. For their parts, AVSCOM, the Army Safety Center, the Night Vision Electro-Optics Laboratory (NVEOL), and the Aviation Development Test Activity (ADTA) of the Test and Evaluation Command (TECOM) began an in-depth search of files and conducted user interviews and surveys in order to build a database on reported problems.

### Plan, Program, and Schedule

As the research projects continued, AEMO, and Directorate for Engineering, AVSCOM, developed a plan, program, and schedule for the installation and evaluation of the necessary fixes to the aircraft blue green modifications, and the evaluation of the prototype control heads that AEL was to deliver in the beginning of May 88 to Ft. Hood.

During the month of May, a team of engineering experts from the various Commands and activities involved, modified a UH-60A and installed the prototype CNI control heads. They also modified the Aircraft Survivability Equipment control heads, and installed an AN/ARC-201 SINCGARS FM radio. By the end of the month the team had finished the ground engineering/photometrics and airborne aircrew

evaluations of the UH-60A and the OH-58C.

At the time of this writing, the FM CE has procured and fielded approximately 25,000 lip lights, finger lights and flashlight filters.

### Evaluations

The first two aircraft have been evaluated and returned to the owning unit. The engineering data and aircrew evaluation data is being reduced and will be provided to the appropriate agencies by late June or early July 89. Due to the recent natural disaster that occurred at Ft. Hood the remainder of the engineering and user evaluations to be done on the CH-47D and AH-1F will be done at the Aviation Development Test Activity, Ft. Rucker, AL beginning in mid June 89. Among the modifications to be made to the CH-47D will be the installation of blue green (secure) spot lights on each of the hooks for use by the flight engineer during sling loading operations under NVG conditions. We are also developing a fix for OH-58C search light that will automatically insure it is turned off if inadvertently rotated past the 90 degree point.

In the mean time, we still have much to do. We must now start to develop the plans, programs and schedules for procurement and fielding of aircraft MWO component part changes and the MWOs for the CNI avionics/electronics, starting on the availability of funding within the next six months.

Correspondingly, the Program Executive Office for Aviation and the AVSCOM Aircraft Project Managers are request-

ing that all the necessary data be provided by early summer in order to coordinate funding and fielding priorities.

We've come a long way in the last 10 months towards improving our ability to safely fly and fight at night. The progress made is directly attributable to the spirit and unselfish teamwork of the entire AMC community as well as the DA and TRADOC communities. What this type of positive action graphically demonstrates is that we care very much about our soldiers and airmen, and are doing everything we can to make their job as safe as possible while we move towards the development of doctrinal tactics and equipment that will indeed provide soldiers the decisive edge. IIII

## Update - cont. from p. 12

has been designed by Martin Marietta and is being fielded.

As another enhancement, we are sharing the costs with the Contractor for a proof of principle integration of an Imaging Intensifier (I<sup>2</sup>) tube into PNVs. Our current plan is a flight test demonstration in September 1989 using existing off the shelf hardware (i.e. Charge Coupled Display (CCD) camera with 525 line resolution vice 875 line, and the existing 18MM I<sup>2</sup> tube).

### Potential Pay Offs

The potential for this demonstration has large pay offs if it works. The NVG can come off the helmet; no lighting compatibility issues; same parallax; etc. We may have to develop the 875 line camera as well as (Update - cont. on p. 68)

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CALSPAN 

## Operations — cont. from p. 6

critical. Planning is always continuous but 36 to 72 hours should be allocated to this phase alone. Since cross-FLOT operations require exact intelligence, planning time allows for the emplacement or relocation of intelligence collection assets to ensure both appropriate target selection and to confirm enemy troop dispositions. The time is also necessary to conduct and refine the intelligence preparation of the battlefield (IPB) process and to coordinate the inclusion of U.S. Air Force and U.S. Army Artillery assets participating in the operation. The dynamic IPB process, done with precision, allows avoidance of enemy strength and inclusion of the Joint Suppression of Enemy Air Defense (J-SEAD) assets necessary to minimize mission risk. The J-SEAD program should include electronic warfare and deception assets as well as Air Force and artillery. The most critical aspect of this phase is intelligence.

### Intelligence

The force that is attacking across the FLOT must have direct access to the supporting intelligence resources to ensure real-time information. This is especially true once the mission is executed. Key decision points based on the threat will trigger the attack. Those vital intelligence links will require special coordination, liaison and/or collocation of command and control elements. Once every element is orchestrated and the enemy target is at the appropriate decision point, execution begins. Rarely in war

does any operation go according to plan. If the plan is unsynchronized, the execution is bound to be. If the plan is synchronized, then at least these unplanned problems in execution will have minimum impact.

### Penetration of FEBA

The next phase is penetration of the Forward Edge of the Battle Area (FEBA). In this phase, the penetration point should obviously be where the enemy is not or, where the enemy is not in any great strength. The IPB can show the commander where air defense "no go" terrain is or where terrain will interrupt continuous air defense coverage. The penetration phase of the operation is basically a forward passage of lines. Suppression of both the enemy's dedicated and nondedicated air defense systems must be planned. Face-to-face coordination must be done with those soldiers on the ground who influence the passage lanes for the forward passage to succeed. Speed of penetration is often the key. Just as with any other attack, the plan should include deception. A supporting attack or feint can assist in masking a cross-FLOT operation. While the overall deep operation must be integrated into the division or corps scheme of maneuver, efforts must be made to ensure that each phase of the operation is also woven into the complete execution matrix. A local attack by a ground force may accomplish as much for the J-SEAD plan as can be achieved by fire support and electronic warfare units. The attacking aviation unit will usually penetrate the FLOT on a rush

and keep their eyes on the mission objective.

### Axis of Attack

In the movement to the objective, the axis of attack must be secure. Just as with any main body, the flight formation will have security elements forward, on the flanks and to the rear. Aerial reconnaissance should precede the force. Alternate routes must be planned. The force must be prepared to change to them rapidly if enemy contact is made. Agility is the key. Radio listening silence must be maintained, however, the receipt of in-flight intelligence may cause an attack helicopter battalion or company commander to break radio silence for command and control changes. J-SEAD is planned for this phase as well as the penetration phase, recognizing that range limitations will reduce the number of categories of systems able to support the operation. J-SEAD fires will not automatically be executed but must be planned and linked to decision points. Precise navigation is also imperative for cross-FLOT operations from the crossing to the objective and back. Attack helicopter units will be backing up their doppler navigation systems with good map reading.

### Actions at the Objective

Actions at the objective are another critical phase of the deep or cross-FLOT operation. Attack helicopter battalions normally employ company teams configured with heavy and light platoons. In this scenario the light platoons go forward, verify that the battle positions are

Engineering

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## Operations - cont. from p. 66

clear, that the target is present in the engagement area and guide the heavy platoon into the battle position. The light platoons may designate targets, provided security and/or engage the enemy as well. If the enemy has been delayed or has moved faster than anticipated, the attacking force will adjust laterally into alternate positions. The force will not seek out other targets in a search and destroy manner; that balance of risk versus payoff is normally not acceptable in deep operations.

If the IPB has been correctly done, and the engagement area is under surveillance, the target should be readily available. Ammunition loads are based on the mission, the target and the situation, taking into consideration the need to break contact and return.

### Return Phase

The return phase includes exiting the objective area, returning to the FLOT and reentry into friendly air space. Again, flight techniques, all around security and face-to-face coordination for what now constitutes a rearward passage of lines are absolutely necessary to ensure mission success and minimum loss. The final phase is restoration of the force, basically rearming and refueling and conducting immediate battle damage repair. Since the cross-FLOT operation has significantly raised the battle tempo, the attack assets must be available again as quickly as possible to exploit the opportunity gained.

Up to now, we have focused

on attack helicopter operations. However, it is important to note that air assault cross-FLOT operations can also be effectively executed. Both FM 90-4, *Air Assault Operations* and FM 1-113, *Assault Helicopter Battalion* adequately address this form of employment. The issues of command, control and communications; air space command and control; and fire distribution and control become major challenges for both the planners and the executors.

This type of operation lends itself to night execution. Stealth and surprise are inherent in night operations. We have a significant advantage in night fighting capability over our adversaries. The capabilities of all enemy weapons systems which optically acquire targets are rendered almost totally ineffective. We should capitalize on this! Army Aviation owns the night.

The bottom line is that cross-FLOT operations are an integral part of AirLand Battle. Army Aviation can and will conduct cross-FLOT operations in any future conflict. Cross-FLOT operations, successfully conducted, have a major impact on battles, engagements and campaigns. The cross-FLOT mission demands that Army Aviation provide sufficient training in both planning and execution, continued modernization of both our force structure and materiel and aggressive challenging leadership development. Can we do it now? Recent major exercises and training events indicate we can. But we must do it wisely, when the time is right, and when the

situation in terms of risk/payoff demands it.

Air Assault!

||||

## Update - cont. from p. 64

use a larger I<sup>2</sup> tube but this demonstration will assist in determining the best solution. The good news is the integration can be accomplished within the existing hardware except for an additional shroud window (Fig. 1).

If this demonstration proves successful, we would convert to a product improvement effort and begin the funding priority process. We will keep you updated.

||||

### **DON'T GET SHUT-OUT OF THE 1990 ORLANDO AAAA CONVENTION EASTER WEEK APRIL 11-15**

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# COLLINS AVIONICS

## MH-47E - cont. from p. 15

The MH-47E can carry up to 42 fully equipped Special Operations Forces (SOF) personnel to and from the scene of operations. It can hover at mid range on a hot day at target altitudes. The MH-47E is capable of operating from a variety of naval ships as well as from land bases.

The ability to lift 54,000 pounds is provided by two Textron-Lycoming T55-L-714 engines controlled by full authority digital electronic control (FADEC) units.

### Extended Range

Extended range is obtained by three methods. The fuel capacity of the internal fuel tanks has been approximately doubled from the CH-47D (from 1000 to 2060 gallons) by using the enlarged fuel tanks from the Boeing Helicopter Model 234 (commercial version of the CH-47). These tanks, contained in side fuselage pods, are crash resistant and self sealing. In-flight refueling is provided via a 28 foot fixed probe on the right side of the aircraft as developed for the CH-47D. Single point pressure refueling at a rate of 300 gallons per minute is available for ground servicing. In addition, provisions are made for internal auxiliary tanks which will give the MH-47E sufficient range for self deployment to Europe without depending on in-flight refueling.

The Communications suite provides a full range of HF, VHF, UHF and SATCOM Communication, Airborne Target Handover System (ATHS), intercom, ground communica-

tions, emergency locator transmitter (ELT) and IFF. The navigation suite provides means for satellite, inertial, doppler and magnetic navigation with automatic selection of the most accurate mode available. In addition, attitude heading reference system (AHRS), digital map display, radar altimeter, ADF, TACAN, VOR/ILS, RADAR beacon transponder and a personnel locator system are available. Complete provisions are made for a full suite of aircraft survivability equipment (ASE).

The above avionics equipment is controlled by an Integrated Avionics Subsystem (IAS), which is described in a separate article in this issue. The IAS and avionics suites which it controls are the same as those in the MH-60K. All flight, status and control data are presented on two multifunction displays (MFD) at each pilot's station.

A set of basic flight control instruments is provided on a back-up instrument panel between the two sets of MFDs for use in the event of total system failure. Most equipment controls are located on a console between the pilots and engine controls are on an overhead panel as in the CH-47. Crew station lighting and all other internal and external lighting is night-vision goggle (NVG) compatible.

Modules of the Hughes Aircraft AN/AAQ-16 FLIR System are integrated with the cockpit displays to provide the flight crew with long range detection, recognition and checkpoint acquisition capabilities in total darkness and through battlefield obscurants. The FLIR also

provides the pilots with backup capability for night pilotage, confined area and nap-of-earth operations.

The Texas Instruments AN/APQ-174 multi-mode radar (MMR), pod mounted on the left side of the cockpit, provides terrain following/terrain avoidance. The MMR also permits detection of essential features for ground mapping, destination identification, air-to-ground ranging and limited weather mapping.

### Additional Features

A rescue hoist is mounted over the right side door. The CH-47 cargo hooks on the bottom of the fuselage remain in place. Provisions are in place for 50 caliber machine guns on each side of the aircraft. An on-board oxygen generating system (OBOGS) is provided for the pilots.

The electrical/electronic mission equipment has been protected to permit operations from and around a variety of naval vessels including aircraft carriers. A rotor brake has been added and tiedowns meet U.S. Navy requirements. Manual blade fold has been successfully demonstrated.

Preliminary and Critical Design Reviews have been conducted. The structural modifications have been made and the CH-47D modernization improvements have been installed in the prototype aircraft. MH-47E equipment and subsystems are now being installed at Boeing Helicopters. Functional tests, and roll out are scheduled to be completed and ground tests are to be started before the end of this year.

IIII

# BRIEFINGS



**CWO Bruce E. Shafer**, an instructor pilot with Company E, 142d Aviation Regiment, Army National Guard unit located in Niagara Falls, NY, captured the 1989 Worldwide Armed Forces Interservice Raquetball Championship, Master's

Division on 5 May at Chanute AFB, IL, by defeating seven competitors. Mr. Shafer was able to compete in the interservice championship matches by defeating 20 other Army members in the All Army Raquetball Championship held at Fort Benjamin Harrison, IN, 20-24 April.

The **Army Otter-Caribou Association** will be holding their 4th annual reunion in Seattle, WA 17-20 August 1989. **Contact Bill Hooks**, at

PO. Box 6091, Columbus, GA 31907-0073 or call him at (404) 324-1596 for information.

The **Women Military Aviators, Inc. (WMA)** will hold their biennial convention at the J.W. Marriott in Washington D.C., Labor Day weekend, Sept. 1-4, 1989. **For information**, contact CPT **Marcelyn A. Adkins**, 9130 Blarney Stone Dr., Springfield, VA 22152. Phone: (703) 569-9544.

**Canadians who served with Army Aviation in Vietnam**, please contact Fred Gaffen, Canadian War Museum, 330 Sussex Drive, Ottawa, Canada, K1A 0M8. Tel: (613) 996-1388.

The **U.S. Army Aviation Center**, Ft. Rucker, AL, held a special ceremony Wednesday 10 May to honor the post's new senior enlisted soldier. The **Honor Eagle Ceremony** was conducted to honor the incoming post command sergeant major, **CSM Roy McCormes**, who comes to Rucker from Ft. Drum, NY, where he was CSM of the 10th Aviation Brigade, 10th Mountain Division (Light Infantry).

# AWARDS AND HONORS

The following information is provided by the U.S. Army Aviation Center at Ft. Rucker, AL:

**Initial Entry Rotary Wing Aviator Course Class 88-19 AH-1 Track (05/11/89):** 2LT John D. Kovac, Distinguished Graduate.

**Initial Entry Rotary Wing Aviator Course Class 88-19 AH-1 Track (05/11/89):** WO Anthony S. Kram, Distinguished Graduate; WO John V. Michel, III, Honor Graduate.

**Initial Entry Rotary Wing Aviator Course Class 88-21 UH-1 Track (05/11/89):** WO Edwin S. Chapin, Distinguished Graduate; WOs Todd E. Reed, Leon M. Francis, Jr., Samuel W. Koonce, Charles C. Wiggins, Honor Graduates.

**Initial Entry Rotary Wing Aviator Course Class 88-21 OH-58 Track (05/11/89):** WO Jeffrey A. Husa, Distinguished Graduate & Leadership Award; WOs Peter R. Phillips, Bryan W. Combs, Honor Graduates.

**Initial Entry Rotary Wing Aviator Course Class 88-20 UH-60 Track (05/11/89):** WO Katherine A. Howard, Distinguished Graduate.

**Initial Entry Rotary Wing Aviator Course Class 88-22 UH-1 Track (05/25/89):** 2LT Fredrick P. Sundloff, Distinguished Graduate; 2LT Richard D. Spoon, Honor Graduate.

**Initial Entry Rotary Wing Aviator Course Class 88-22 UH-1 Track (05/25/89):** WO Bryan J. Haslett, Distinguished

Graduate; WOs Robert K. Bailey, Kenneth R. Gatewood, William B. Hanrahan, Honor Graduates.

**Initial Entry Rotary Wing Aviator Course Class 88-22 OH-58 Track (05/25/89):** 2LT Patrick R. Bossetta, Distinguished Graduate; 2LT James R. Nolin, Honor Graduate.

**Initial Entry Rotary Wing Aviator Course Class 88-22 OH-58 Track (05/25/89):** WO Jerry L. Orsburn, Distinguished Graduate; WO Warren E. Brown, Honor Graduate.

**Initial Entry Rotary Wing Aviator Course Class 88-21 UH-60 Track (05/25/89):** WO Frank C. Tupper, Distinguished Graduate.

**Initial Entry Rotary Wing Aviator Course Class 88-20 AH-1 Track (05/25/89):** WO Michael T. Needham, Distinguished Graduate; WO Anthony F. Barnett, Honor Graduate.

**Aviation Senior Warrant Officer Training Course Class 89-4 (04/28/89):** CW3 John R. Schuchman, Distinguished Graduate; CW2s Rodney V. Allison, Gregory A. Pettigrew, CW3 Paul H. Clarke, CW4 Dale R. Garrett, Honor Graduates.

**Air Traffic Control Basic Noncommissioned Officer Course Class 89-6 (05/18/89):** SGT John D. Wilcox, Distinguished Graduate.



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**RUNKLE, JOHN D.**  
2111 JEFF DAV HWY, NO 411-S  
ARLINGTON, VA 22202  
**SHARPE, SUSAN B.**  
7393 TARA ROAD, NO. 305  
JONESBORO, GA 30236  
**WILLMOT, JOSEPH A.**  
2211 N. FORD STREET  
CLARKSVILLE, TN 37042

# Retired

**BROWN, TROY D. CW4**  
ROUTE 1, BOX 819  
EXETER, NH 03630  
**DANIELS, THOMAS E. MR.**  
PO BOX 161  
OAKHURST, NJ 07755  
**EWART, LOEL A. LTC**  
ROUTE 2, BOX 158  
OZARK, AL 36360  
**JOHNSON, CLIFFORD E. LTC**  
1516 TOMBUKTU LANE  
COLUMBUS, GA 31904  
**KING, DAVID C. SFC**  
1897 MADISON ST, APT. H-118  
CLARKSVILLE, TN 37043  
**MAXWELL, W. GEORGE CW4**  
ARMY AVN CEN CHAP SEC  
LINKS FLT SIM DIV, POC 248  
DALEVILLE, AL 36322  
**NELSON, RONNIE L. LTC**  
23969 VIA BOCCINA  
VALENCIA, CA 91355  
**STORY, ROBERT MSG**  
1014 MARSHALL AVENUE  
AUGUSTA, SC 29841  
**TAYLOR, BILLY R. MAJ**  
992 E CARMELITA DRIVE  
SIERRA VISTA, AZ 85635



# ARMY AVIATION ASSOCIATION OF AMERICA (AAAA)

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Please check one: ☐ Change of Address; ☐ New Membership Application

I wish to join the Army Aviation Association of America (AAAA). As a U.S. Citizen, my past or current duties utilize the skills of U.S. Army Aviation and I wish to further the aims and purpose of the AAAA. I understand that my membership includes a subscription to the AAAA-endorsed magazine "Army Aviation", and that my membership will start on the subsequent first of the month. The name of the current member who recruited me is printed in the lower right corner. Contributions in gifts to AAAA are not deductible as charitable contributions for federal income tax purposes. Dues payments are deductible by members as ordinary and necessary business expenses.

Rank/CS Grade	First Name	MI	Last Name	Sex
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Mailing Address				
City	State		Zip + 4 Code	
Active Duty or Civilian Job Title				
Unit or Firm Name				
Area Code	Office Phone		Area Code	Residence Phone
Nickname		Spouse's Name		
Date of Birth (Mo/Yr)		Social Security No.		
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1 yr, \$10; 12 yr, \$19; 13 yr, \$28  
Add \$5 per year if you have a foreign, non-APO address.  
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☐ Check enclosed made payable to "AAAA,"  
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☐ DA/ODD Civilian ☐ Consultant  
☐ Army Inst'l Serv ☐ Publishing/Other Asst.  
☐ Army Reserve ☐ Foreign Military Service  
☐ Army Retired ☐ Foreign Defense Industry  
☐ Other US Military Service ☐ Other

Are you a (Spouse AAAA member)? ☐ Yes ☐ No

If yes, what year did you join? \_\_\_\_\_

Print Name of Recruiter \_\_\_\_\_

# NEW MEMBERS



## AIR ASSAULT CHAPTER FORT CAMPBELL, KY

Mr. Jon D. Alexander  
SGT Leslie Arnett  
1SG William K. Campbell  
PFC Michael Chizmar  
CW3 Mark O. Hutchings  
PFC Michael Newby  
SSG Raymond Ramos  
CPT Barry F. Roach  
1LT Erin R. Taylor

## ALPHA CHAPTER HONOLULU, HI

SFC Kurtis T. Mahe  
2LT George A. Murakami

## ARIZONA CHAPTER MESA, AZ

Mr. David Plushko

## ARMY AVN CENTER CHAPTER FORT RUCKER, AL

CW2 Jaime A. Ambler  
WOC Lyn D. Austin  
2LT Michael T. Bentley  
CPT James R. Boen  
2LT James R. Bolton  
CPT Steven A. Boylan  
1LT James M. Brandon  
SGT David W. Brasfield  
WOC Gregory Gilbert Breunig  
2LT Patrick A. Brinkerhoff  
WOC Gerold D. Brown  
2LT Timothy D. Brown  
2LT Donn F. Bruess  
WOC Raymond J. Bushey  
2LT Owen B. Castlemain  
WOC Bradley C. Childress  
WOC Jonathan A. Clark  
WOC David J. Claudy  
2LT Leonard Hatcher Dickson  
2LT Andrew D. Doebring  
CPT Howard K. Drew  
2LT Stephen T. Elio  
SGT Van T. Ezell  
2LT Angella D. Farnell  
WOC Douglas A. Ford  
WOC Charles B. Forman  
2LT Edward M. Fortunato  
WOC Leon M. Francis, Jr.  
WOC Stephen P. Frost  
WOC James M. Gigliotti  
WOC Edward C. Gonzalez  
Mr. Sidney J. Gray, III  
2LT Robert E. Grigsby  
2LT Edward G. Gyukari, Jr.  
1LT Johan C. Haraldsen  
CW2 James L. Harris  
WOC Stephen C. Harris

WOC Ronald L. Henry  
2LT Aaron S. Higginbotham  
2LT Earl M. Hitzman  
WOC Doug R. Huddleston  
2LT Charles W. Hudson, Jr.  
WOC Jeffrey L. Hutchinson  
SGT Stephen J. Isleip  
1LT Joseph B. James, III  
Ms. Carmen R. Jones  
2LT Walter G. Jordan  
WOC Robert D. King  
SPC Randall L. Kinks  
1LT(P) Steven V. Kittrell  
WOC Robert A. Korecky  
CW2 Jerome W. Lambert  
2LT J. Stephen Legg  
WOC Larry A. Levine  
SSG Raymond Lopez  
2LT Patricia Maglara  
WOC Mickey D. Marshall  
2LT Paul E. McConnell  
CPT Theodore A. Mickevicius  
WOC James D. Mitchell  
WOC Jay A. Morice  
WOC Jeffrey P. Nelson  
2LT R. Timothy Nobes  
WOC Francesco Nocera  
2LT Andrew L. Nord  
WOC Allen L. Pangburn  
CPT Chris R. Pothemus  
WOC Gregory P. Poppenhous  
WOC Mark A. Prosser  
WOC Joseph W. Puckett  
2LT Thomas C. Rabideau  
1LT James A. Robideau  
2LT James H. Russell  
2LT Thomas Edward Schwartz  
WOC Michael K. Shawver  
CPT William L. Sisson  
CPT Kevin J. Smith  
2LT Russell A. Stewart  
WOC Stephen A. Swan  
1LT John Thibodeau  
WOC Darrell K. Tolle  
CW2 Robert J. Vidensek  
WOC Joseph M. Wall  
2LT Raymond V. Watts  
WOC Robert E. Weaver  
SGT Anthony L. Westcott, Jr.  
MAJ Homer W. Worrell

## BLACK KNIGHTS CHAPTER WEST POINT, NY

CDT Karl E. Muehlheuser

## CENTRAL FLORIDA ORLANDO, FL

Mr. William W. Hurt  
WO1 David M. May  
Mr. David A. Shrum  
Mr. David L. Stewart

## CHECKPOINT CHARLIE CHAP GERMANY

Mr. Kerstin G. Bantel

## CHESAPEAKE BAY CHAPTER FORT MEADE, MD

Ms. Paula G. Brinkman  
MAJ John A. Farris  
CW3 Robert L. Fleming  
Mr. William H. Francisco  
CPT Jerry T. McDaniel  
Ms. Mary Jo Smith  
Mr. Frank H. Tushoph  
MAJ Barringer F. Wingard, Jr.

## COASTAL EMPIRE CHAPTER FT STEWART/HUNTER AAF, GA

PFC Kenneth S. Collins  
CW3 Joseph Gonzalez III  
PV2 Victor Lal  
CW4 David T. Landrum  
PV2 David A. Perry  
PFC Edward F. Powell Jr.  
PV2 David L. Skinner  
PFC Michael R. Stoltberg  
E7 Edwin H. Torres  
WO1 Brian K. Twigg

## CONNECTICUT CHAPTER STRATFORD, CT

Mr. Rudolph J. Crocco  
CPT Alan R. Lancaster

## CORPUS CHRISTI CHAPTER CORPUS CHRISTI, TX

Mr. Robert H. Lawrence

## FOLLOW ME CHAPTER FORT BENNING, GA

CPT Timothy J. Moore

## FORT BRAGG CHAPTER FORT BRAGG, NC

SSG Michael W. Carpenter  
WO1 David W. Curtis  
SSG William G. MacMillan  
CW3 Joel K. Milbern  
WO1 Michael A. Moline  
SSG Mark A. Reyes  
WO1 Timothy Weston Smith  
CW2 Charles S. Waddell

## GREATER CHICAGO AREA CHAPTER, CHICAGO, IL

MAJ Ronald W. Allendorfer  
1LT John M. Carter  
CW3 Anthony J. Cesarone  
1SG David D. Dubinski  
CW2 Paul M. Giannini  
Mr. Patrick Hull  
1LT Samuel T. Jones  
LTC Richard B. Kirchhoff  
CW4 Mark W. Koenitz  
CW4 Lanny L. Morrison  
Mr. David A. Voss  
SFC Edward G. Ward  
MAJ Ronald C. Winters

## INDIANTOWN GAP CHAPTER INDIANTOWN GAP, PA

PSG Stephen J. Ney  
SSG Gary W. Wilkinson

## LINDBERGH CHAPTER ST. LOUIS, MO

Mr. Charles C. Crowley  
CPT Charles M. Floyd  
CW4 Paul A. Herrick  
Mr. Donald A. Hess  
CW3 Allyn J. Hinton, Jr.  
Mr. J.R. James, Jr.  
Mr. Robert F. Jones, Jr.  
SGT Robert Q. Kelley

LTC L.C. Kern  
Mr. Donald Sternberg  
Ms. Susan J. Werkmeister

## MAINZ CHAPTER MAINZ, GERMANY

CPT David L. Gruenwald

## MID-AMERICA CHAPTER FORT RILEY, KS

CW4 James L. Broderick

## MONMOUTH CHAPTER FORT MONMOUTH, NJ

Mr. Michael J. Linkletter

## MORNING CALM CHAPTER SEOUL, KOREA

CW3 Paul B. Strickland

## MOUNT RAINIER CHAPTER FORT LEWIS, WA

SSG Mark W. Somers

## NORTH COUNTRY CHAPTER FORT DRUM, NY

SGT Raymond C. Benton  
CW2(P) Alfred L. Chaney  
Mr. Timothy C. Fluent  
SSG James E. Ingram

## NORTH TEXAS CHAPTER DALLAS/FORT WORTH

Mr. Ford D. Albrighton, Jr.  
MAJ Gregory P. Bailey

## OLD IRONSIDES CHAPTER ANSBACH, GERMANY

SSG William H. Albert  
2LT David W. Astin  
CPT Robert S. Bryce, II

## PHANTOM CORPS CHAPTER FORT HOOD, TX

SGT Luiz L. Avelar  
CPT Steven V. Callan  
LTC Gregory L. Cook  
CW2 John M. Gorman  
SGT Louis A. Pascesca

## PIKES PEAK CHAPTER FORT CARSON, CO

CW2 Michael J. Flynn  
SGT Carey C. James  
CW2 Stacy T. Keith  
1LT Lisa K. Mikach

## RHINE VALLEY CHAPTER GERMANY

MAJ Louis A. Bonham  
Mr. Julius F. McGhee, Jr.

## SO. CALIFORNIA CHAPTER LOS ANGELES, CA

LTC Thomas E. Murray, II, Ret.  
Mr. Ronald K. Ressler

## STUTTGART CHAPTER STUTTGART, GERMANY

CW3 Harold E. Dawkins

## TAUNUS CHAPTER GERMANY

LTC Paul E. Murtha

## TENNESSEE VALLEY CHAP HUNTSVILLE, AL

Mr. Tommy A. Cobb

## THUNDERHORSE CHAPTER FULDA, GERMANY

WO1 James R. Kreeger

(Members — cont. on p. 79)

# 1989 USAREUR Aviation Professional Conference



As the commander of the host unit for the USAREUR Region Aviation Professional Conference held at Garmisch, West Germany from 11-18 March, I am pleased to report that attendees praised it as the biggest and best ever. In spite of Europe's unusually warm winter, nearly 200 members and their families did find sufficient snow to enjoy themselves on the slopes.

On Wednesday evening, then AAAA President, MG Story C. Stevens, Ret. and the Chief of Aviation Branch, MG Ellis D. Parker and their wives welcomed more than 500 people attending the icebreaker reception. Old friendships were renewed and new ones begun while all enjoyed a vast array of food and Bavarian beverage. The rigorous professional program slated for the following two days was intimidating enough to send most to bed early but the positive atmosphere was the first indication that the conference would be a resounding success.

Each day of the conference was begun with a breakfast for the early risers featuring presentations by the LHX development teams. On Thursday morning the "First Team", Boeing-Sikorsky, and on Friday morning the "Super Team", McDonnell Douglas-Bell updated our members on their plans and strategies for the LHX program. After breakfast each day, our members assembled at the conference hall where they received a full update on a wide range of aviation programs. Discussions carried on into the evening as our members took advantage of chapter receptions at area hotels.

Our attendees were also treated to an impressive suite of exhibits on display throughout the conference. Our thanks to the following in-

dustries and their representatives for their outstanding support: Beech Aerospace Services, Inc.; Bell Helicopter Textron, Inc.; Boeing Helicopters; Boeing-Sikorsky First Team; IBM Corp; LOGISTECH; McDonnell Douglas-Bell Superteam; Rockwell International Corp.; Sikorsky Aircraft Corp. and TELDIX, GmbH. And, for his extremely informative trip through the history of rotorcraft flight, a very special thanks to Sergei Sikorsky.

And now, a new beginning...GEN Crosbie Saint, Commander-in-Chief, USAREUR and new President, AAAA USAREUR Region, honored our attendees with his presence and remarks during the President's Luncheon on Friday afternoon. Both he and new USAREUR Region Senior Vice President, LTG John Woodmansee, CG, V Corps, recently demonstrated their willingness to expand the USAREUR Region's horizons by presiding over an Executive Board decision to change the venue for the annual conference. Our new challenge...drop the gavel at Willigen, West Germany for a three-day international aviation conference from 28-30 November, 1989.

This bold new direction signals the end of a traditional rite of spring in the Bavarian Alps while establishing a fresh strategy to improve the quality of the professional conference. Garmisch will continue as the site for the annual AAAA Ski Week, which will be hosted by a USAREUR Region chapter each spring. Willigen, with more and less expensive hotel rooms, more and less expensive exhibit hall space, all under one roof in central Germany, will be the new site for the annual professional conference. The move to a three-day format will better accommodate presentations by the Army and U.S. and NATO industry, providing aviation soldiers in Europe unprecedented access to the latest aviation technology. As an added feature the annual USAREUR Aviation Ball and AAAA Awards Ceremony will culminate our conference activities.

Risk management, you bet! But given the cooperation of our membership and the support of our industry partners, the USAREUR Aviation Professional Conference will become THE annual showcase for NATO Army Aviation and AAAA in Europe. We look forward to seeing you at Willigen in November.

*COL Jack Easton, Secretary, AAAA  
USAREUR Region.*

# One view of Starstreak you'll never see.

Travelling at many times the speed of sound, Starstreak isn't easy to spot. Impossible, in fact.

And as it travels, three guided darts separate out in formation to strike the target. Greatly increasing the hit area.

Too bad if it's you.

Fast, lethal and accurate — Starstreak has no challengers. It's highly immune to countermeasures.

This innovative weapon system was designed by Shorts and is currently under development for production and delivery soon to the British Army.

Its power is awesome. Incorporating the very latest missile technology advances, Starstreak has



completely redefined the state-of-the-art in close air defense. No other system provides such devastating speed and accuracy. The British Ministry of Defence has contracted for the early deployment of Starstreak in Western Europe.

Shorts is teamed with Boeing Aerospace to adapt Starstreak to the Avenger as an upgraded pedestal-mounted air defense system for the U.S. military. McDonnell Douglas Helicopter Company and Martin Marietta Electronics Systems are working together with Shorts to integrate Starstreak as an air-to-air missile on the Apache Helicopter.

Blowpipe, Javelin and Seacat are also produced by Shorts, so Starstreak is only the latest in a succession of proven and technically excellent weapons. But much faster and more lethal than anything that's gone before. Which is good to know. Providing it's not pointing in your direction.

# SHORTS

For more information, contact Short Brothers (USA), Inc.,  
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## New AAAA Officers

The following members were elected to the Executive Boards of their respective Chapters.

**Terry E. Cunningham**, (Treasurer); **CPT(P) Ray C. Woolery**, (VP, Programming), **Lindbergh Chapter**.

**MAJ Russell S. Forshag**, (Sr. VP); **MAJ Kerry M. Brown**, (Treasurer), **Stuttgart Chapter**.

**CPT Roland E. Vitullo**, (VP, Programming), **Thunderhorse Chapter**.

## Aviation Soldiers of the Month

**PFC Quentin S. Lyons**, Hanau Chapter (March)

**SPC Golden T. Curtis**, Hanau Chapter (April)

**PFC Rodney E. Foster**, Thunderhorse Chapter (April)

## Annual Chapter Awards

**SGT Van T. Ezell**, Non Commissioned Officer of the Year, **Army Aviation Center Chap.**

**SPC Randall L. Kirkes**, Aviation Soldier of the Year, **Army Aviation Center Chapter**.

**CW2 Michael P. Fyfe**, Warrent Officer of the Year, **Fort Bragg Chapter**.

**SSG William G. MacMillan**, Non Commissioned Officer of the Year, **Fort Bragg Chapter**.



BG James M. Hesson, Ret., AAAA President (left) presents the annual AAAA Outstanding USMA Aviation Branch Cadet Award to Cadet Charles T. Tully, Jr., on the Plain, West Point, NY, 22 May, 1989.



## Chapter News



### AIR ASSAULT CHAPTER,

**FORT CAMPBELL, KY** — The 1st Annual AAAA Golf "Classic" was held on 20-21 April 1989 at the Cole Park Golf Course in Ft. Campbell, KY. Sponsored by the Air Assault Chapter, with some prizes being graciously donated by local corporate members, the event was a tremendous success. From the first day of handicap play and second day, traditional "scramble" format, to the "worst team



Handicap, Team Winners (L. to R.): CPT Claus Hauer, SFC Gary Okawa, CW2 Bob Lucas, CW4 Bill Holt, Ret., and CPT David Moore (Tournament Director).



Scramble winner & Handicap (Team) runner-up (L. to R.): CW2 Tom Drew, LTC(P) Tom Garrett, 1LT Tim Devito, (Players); CPT David Moore, (Tournament Director); and 1LT Jeff Ballowe, (Player). (Photos by CPT Mike Fearing)

round" award, and the "Rodney Dangerfield Look-alike" award, fun was the name of the game. The "Classic" effectively expressed the Air Assault Chapter's appreciation to all the individual and industry members for their year-round support. Present to award the top honors was BG Robert S. Frix, Assistant Division Commander of Support, 101st Airborne Division (Air Assault), Ft. Campbell, KY. Besides the two winning teams pictured, awardees included: CPT Doug Burcham, Longest Drive; CPT David Moore, Closest-to-the-Pin; and CW2 Gary Lambert, Rodney Dangerfield Look-Alike. Special thanks for logistic support go to CW2 Greg Gilman and CW2 Tim Zarnowski.

### NORTH COUNTRY CHAPTER, FORT DRUM, NY

— An activation meeting was called to order at 1645 hours on 29 March 1989 at the NCO Club, Ft. Drum, NY. The meeting was closed to non-AAAA members and the 30 members present selected the name for the newest AAAA chapter. The following officers were elected: MAJ Steven R. Accinelli, President; SGM Lloyd E. Douglass, Senior Vice President; 2LT Richard G. White, Secretary; 2LT Bruce E. Goff, Treasurer; CW2 Mark A. Fangman, Vice President, Membership; CPT Hermann Koley, Vice President, Publicity; 1LT Thomas G. Hood, Vice President, Programming; and CPT Delwin R. Witters, VP, Griffiss AFB.

## Members - cont. from p. 75

### WASHINGTON DC CHAPTER WASHINGTON, DC

LTC William W. Beletsky  
SSG Gayle E. Calahan  
Mr. Marc H. Coody  
Mr. Karl J. Garry  
WO1 Allen W. Hetzell  
Mr. Walter W. Perron  
MAJ Morris S. Smith

### WINGS OF THE DEVIL CHAP FORT POLK, LA

CPT Robert A. Childers  
CW2 James J. Pinsonneault  
CW4 Ritchie E. Rider

### WINGS OF THE MARINE CHAP GERMANY

CW3 Donald G. Anders

CW2 Edward R. Bennett  
CPT Ronney P. Pelletier  
CW2 William E. Vines

### MEMBERS WITHOUT CHAPTER AFFILIATION

Mr. Jesus Alberius  
WOC Mark G. Atkins  
CDT Kerry P. Brunson  
Mr. Vincenzo A. Discullo  
CPT Ronald P. Dunlap  
CW4 Robert D. Engle  
COL Robert S. Fairweather, Ret.  
Mr. Matt Griffin  
Mr. Bruce C. Lindell  
CDT Randy L. Moe  
WOC James J. Ponn, Jr.  
1LT Paul A. Simroth  
WOC Mark A. Sorenson  
Mr. Joel S. Sprick  
Mr. Alfred S. Waiser  
2LT David W. Wilkinson

## AAAA offers a minimum of \$80,000 aid in 1990 for college-entry Freshmen

An AAAA applicant must be a citizen of the United States who has applied to an accredited college or university for Fall 1990 entry as a freshman. Program participation is limited to the sons, daughters, siblings and spouses of members with an effective date of membership on or before March 31, 1989.

To apply, please request a Scholarship Application and Personal Data Form and return it to the **AAAA Scholarship Foundation**, 49 Richmondville Avenue, Westport, CT 06880-2000 on or before **December 1** (postmark will govern). On receipt of the completed application at the AAAA National Office, you will be mailed additional forms with further instructions and assigned an AAAA interviewer. These additional forms, together with other supporting data, must be returned to the Foundation on or before **January 15** for consideration by the AAAA Awards Committee (postmark will govern).

For information, contact the AAAA National Office. (203) 226-8184.



## AAAA Calendar



### October, 1989

■ ■ **Oct. 16.** AAAA NEB Meeting, Sheraton Washington Hotel, Washington, D.C.

■ ■ **Oct. 17.** AAAA Scholarship Board of Governors Meeting, Econo Lodge, Arlington, VA.

### November, 1989

■ ■ **Nov. 7-8.** AAAA ASE Symposium, Tracor Aerospace, Austin, TX. Contact Nat'l Office. (203) 226-8184.

■ ■ **Nov. 28-30.** USAREUR Region

Annual Conv. & Exh'ib., Der Sauerland Stein Hotel, Willingen, Hochsauerland, West Germany.

### February, 1990

■ ■ **Feb. 2-3.** AAAA National Awards Committee Meetings to select CY89 National Award Winners and CY90 National Scholarship Award Winners.

### April, 1990

■ ■ **April 11-15.** AAAA Annual Convention, Orlando, Florida.

## Joseph S. Bartos, Jr.

Mr. Joseph S. Bartos, Jr., 62, retired VP of Avco Corporation, died 11 March, 1989 after a six-year bout with cancer.

Upon graduation from the Naval Academy, Mr. Bartos entered the Marine Corps and later played the 1950 season with the Washington Redskins. He was recalled to the Marines to serve in the Korean War, awarded the Silver Star and Purple Heart and discharged in 1952.

He received the U.S. Navy Meritorious Civilian Service Award for his work at the Naval Ordnance Lab, White Oak, MD in 1959. Mr. Bartos joined Avco in 1963 as VP, Corporate Systems Management, and rose to Corporate VP at the Greenwich, CT headquarters in 1980.

His numerous survivors include his wife Marjorie of 355 Captain Thomas Blvd., West Haven, CT 06516, three sons and one daughter. A Scholarship Fund has been set up in his memory.

## Aces

The following members have been declared Aces in recognition of their signing up of five new members each.

**MAJ Steven R. Accinelli**

**CW4 J.D. Badgley**

**Watson T. Chaney, Jr.**

**CW4 Dean R. Coder**

**CW2 Joseph P. Elliott**

**2LT William L. Faddis**

**CW4 Robert P. Giffin**

**CPT Thomas C. Johnson**

**MG John L. Klingenhagen**

**LTC William A. McElwee**

**2LT John W. Newton, II**

**LTC Lawrence R. Retta**

**MAJ Michael C. Sevcik**

**LTC Jimmy B. Smith, Ret.**

**CW4 Harry R. Ward**

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and .50 caliber machine guns. This multimission capability gives air cavalry units single aircraft commonality without sacrificing firepower.

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