2012 Industry Partners Directory Issue

ARMAVIATION

SUPPORTING THE U.S. ARMY AVIATION SOLDIER AND FAMILY DECEMBER 31, 2012





Night and Day

Our ideas for tactical lighting are quite different.

Here's the problem other light manufacturers don't seem to get; it isn't always about BRIGHT light. It is about ENOUGH light to get the job done. Remain covert, always tactical, and get the job done. The Phantom Warrior TLS™ has always been that perfect light. Even if you're guiding aircraft into a LZ or DZ, only enough light to get the job done safely is critical. Too much light and you might as well send up flares. Our BellaBeam™ series of marker lights are the perfect match to your Phantom Warrior®, easy to port, easy to resupply with standard AA cells, shockproof, waterproof, and bright enough to get the job done well. We make other LZ/DZ solutions, including amber rotating beacons, and remotely-controlled AZL-15™ beacons.





Phantom Warrior•

- 3 Filterless colors 4 Flash Modes (TLS)
- 100 Lumens/Adjustable
- Watertight to 200'
- Standard 4 AA power
- Shock/Vibration Proof



BellaBeam™ ARB

- 3-5 mile visibility
- Dark Activated Switch Available
- Bi-color Available
- Steady or Flashing
- Runs on 4 AAs



Phantom AZL-15

- 7-10 mile visibility
- Remote Control to 5000'
- 2, 3 or 5-Color Available
- Steady or Flashing
- Overt to Covert Remotely



BellaBeam™

- 3-5 mile visibility
- Dark Activated Switch Available
- Bi-color Available
- Steady or Flashing
- Runs on 4 AAs
- 6.5"x 1.5"



Covert, Tactical, Durable, Phantom.

Designed and Manufactured in Rockledge, Florida, USA



PH: 888-533-4968 FX: 888-533-5669



Contents

December 31, 2012, Vol. 61, No. 12

SPECIAL FOCUS

Industry Partners

- 24 BAE Developing and Supporting the Technology Needs of Army Aviators Yesterday, Today and Tomorrow By Dan Gobel
- 28 Bell Helicopter Addressing Today's Army Needs, While Eyeing the Future By Grea Hubbard
- 32 Navigator Development Group, Inc. By LeeAnn Capps

36 AGC Aerospace & Defense Composites & Aerostructures Group – Proudly Supporting Army Aviation By Kevin Gonzalez

Industry Partners

40 2012 Industry Partners Directory ARMY AVIATION Magazine's original directory of current contact information for year round reference to industry partners of the Army Aviation team.

FEATURES

- 8 Why? By MG Kevin W. Mangum
- 14 Fitness and the Army Profession By CW5 Michael L. Reese
- **18** The Army as a Profession By CSM James H. Thomson, Jr.
- **20** Families First By CSM Richard D. Stidley
- **22** Army Aviation's "Second Home" By CPT Matthew E. Mazar
- 56 2012 Aircraft Survivability Professional Forum By CW4 (Ret.) Joseph L. Pisano, Sr.
- **58** Your Army Aviation Hall of Fame By Dr. (COL) Hal Kushner, Retired
- **62** Ask the Flight Surgeon By Dr. (LTC) Joseph Puskar
- 63 AAAA Scholarship Foundation-A Half Century of Serving Soldiers and Families By COL (Ret.) Tom Harrison
- **64** Chapter Affairs Update
 By COL (Ret.) Robert D. Carter
- 65 Membership Update By CW5 Mark W. Grapin
- **67** Spouses' Corner By Judy Konitzer
- 70 70th Anniversary of Army Aviation Vanderpool's Fools – And the Creation of the Attack Helicopter By Morris J. Brady, Major General U.S. Army, Retired

DEPARTMENTS

AAAA News	.78
Advertisers Index	
Art's Attic	86
Briefings	4
Calendar	85
Hall of Fame	87
Industry News	74
Legislative Report	79
Membership Application	
New Members	
People on the Move	75
President's Cockpit	
Scholarship Fund Donors	
'	

ARMY AVIATION is the official journal of the Army Aviation Association of America (AAAA). The views expressed in this publication are those of the individual authors, not the Department of Defense or its elements. The content does not necessarily reflect the official U.S. Army position nor the position of the AAAA or the staff of Army Aviation Publications, Inc., (AAPI). Title Reg® in U.S. Patent office. Registration Number 1,533,053. SUBSCRIPTION DATA: ARMY AVIATION (ISSN 0004-248X) is published monthly, except April and September by AAPI, 755 Main Street, Suite 4D, Monroe, CT 06468-2830. Tel: (203) 268-2450, FAX: (203) 268-5870, E-Mail: aaaa@quad-a.org. Army Aviation Magazine E-Mail: magazine@quad-a.org. Website: http://www.quad-a.org. Subscription rates for non-AAAA members: \$30, one year; \$58, two years; add \$10 per year for foreign addresses other than military APOs. Single copy price: \$4.00. ADVERTISING: Display and classified advertising rates are listed in SRDS Business Publications, Classification 90. POSTMASTER: Periodicals postage paid at Monroe, CT and other offices. Send address changes to AAPI, 755 Main Street, Suite 4D, Monroe, CT 06468-2830.

ARNYAVIATION

Publisher

William R. Harris Jr.

Associate Publisher COL (Ret.) Daniel L. Ball

Editor

CW4 (Ret.) Joseph L. Pisano Sr. editor@quad-a.org

Director of Design & Production Anne H. Ewing

Contributing Editor
Mark Albertson

Family Readiness Editor
Judy Konitzer

Advertising Director Robert C. Lachowski bob@guad-a.org

Circulation Department

Deb Cavallaro
Debbie Coley
Erika Isolda
Elisabeth Mansson
Barbara McCann
Corey Stokes

Web Master Mary Seymour

Editorial Address

755 Main St., Suite 4D Monroe, CT 06468-2830 Tel: (203) 268-2450 Fax: (203) 268-5870 www.quad-a.org

ON THE COVER

PAID ADVERTISEMENT: The E-Model has arrived. Because of the success of the Apache program and the significantly increased capability of the new Block III Apache, the Army has re-designated the Block III as the AH-64E. Operationally effective, operationally suitable and survivable – the AH-64E is "Ready Today – Prepared for Tomorrow."

Caption provided by the advertiser.

Briefings...

Late Breaking News - Announcements - Notes

Two Army Guard Aviators Elected to Congress





Rep.-Elect Perry

Rep.-Elect Duckworth

Two Army National Guard combat veteran aviators will join the 2013 Congressional Freshman class in January. COL Scott G. Perry (R-PA) commanded the Pennsylvania Army Guard's 2nd Battalion, 104th Aviation Regiment, in Iraq in 2009, followed by the state's 166th Regional Training Institute, and is currently serving as the garrison commander, Ft. Indiantown Gap, Annville, PA. LTC Ladda Tammy Duckworth (D-IL) lost both her leas and partial use of her right arm when her Black Hawk helicopter was shot down in Iraq in 2004. She was Assistant Secretary of Veterans Affairs for Public and Intergovernmental Affairs from 2009 to 2011 and continues to serve in the Illinois Army Guard. Duckworth's election marks a number of milestones: she is the first Asian American woman elected to Congress from Illinois; the first disabled woman to be elected to the House of Representatives; and the first congress member born in Thailand.

Campbell Nominated to Head FORSCOM



Secretary of Defense Leon E. Panetta announced on Nov. 15 that the President has nominated LTG John F. Campbell, for appointment to the rank of general, and for assignment as commanding

general, U.S. Army Forces Command, Fort Bragg, NC. Campbell is currently serving as deputy chief of staff, G-3/5/7, U.S. Army, Washington, DC.

New Army Command Chief

CW5 Thomas "Gary" Ensminger began his duties Oct. 29 as the Army National Guard's new command chief warrant officer. Ensminger, a Senior Army Aviator, previously served as the command chief



warrant officer for the Tennessee Army National Guard. He replaces CW5 Gary R. Nisker who remains with the National Guard Bureau, J-3/7 division.

Night Stalkers Looking for Enlisted Specialties

The 160th Special Operations Aviation Regiment (Airborne) is looking for 100 to 125 CH-47 repairers to join its ranks this fiscal year and is also



seeking hundreds of applicants for a variety of military occupational specialties – from unmanned aircraft systems (UAS) maintainers and operators to electricians. The regiment, which has more than 2,200 enlisted personnel, is always seeking qualified applicants in 56 MOSs; this year, it is focusing on six:

- -15U CH-47 Repairer
- -15N Avionics Mechanic
- -15F Aircraft Electrician
- -15G Aircraft Structural Repairer
- -15E UAS Repairer
- -15W UAS Operator

This year is the first time the regiment is seeking UAS repairers and operators; and because the UAS units are new, will be accepting applications up through E-7. Normally, enlisted recruiting is kept to E-5 or below. For the other MOSs, the regiment is seeking specialists and sergeants with one operational assignment; however, newly promoted SSGs with less than one year time-in-grade should apply if they're interested. Go to the 160th SOAR's website at www.sorbrecruiting.com/160th. htm for more information and the recruiting contact in your area.









Happy Holidays and Happy New Year

t is the time of the year Americans wish that all of our service men and women could be home with their families. They are quietly, professionally, and selflessly making sure that all of us can enjoy the life and freedom we do every day. Thank you and your families for your service.

AAAA has had a very good year and it was because of our great chapters. I have focused on our chapters for my term as your AAAA President.

At 20 months into my term I can report that I have visited almost a third of our 71 chapters. My intent is to gather the unique aspects of each chapter so that AAAA National can better understand how to support our members' interests. I have found that the focus and the support our chapters provide to their members and to their community are impressive and often unique.

This month I had the opportunity to visit the Air Assault Chapter at Fort Campbell, KY. The aviation soldiers from the multiple aviation forces stationed at Campbell and the land forces they support are magnificent. It was an honor to visit these outstanding men and women.

Last month I had the great pleasure of visiting the AAAA Central Florida Chapter for their 2nd Friday of the Month meeting. It is important to note that they have had a Chapter meeting every month since 1994.

LTC (Ret.) Jan Drabczuk, the chapter president, was my host and showed me how a chapter can be very successful with over 450 members and very little Army Aviation presence in the community. Their members are truly a family and enjoy one another's company in a big way. I can't say enough about the team spirit I experienced at their events.

Founded in 1985, the Central Florida Chapter has steadily maintained its focus on the Aviation Soldier. They do this by keeping the Army Aviation soldier and their families present in the hearts of the Orlando community.

The Central Florida Chapter is part of a local Orlando group of professional organizations called the Combined Professional Associations Group (CPAG).

The CPAG consists of AAAA, the Association of the United States Army (AUSA), the Navy League, the American Society of Military Comptrollers (ASMC), the International Test and Evaluation Association (ITEA), the National Defense Industrial Association (NDIA), the Armed Forces Communication and Electronics Association (AFCEA), the Marine Corps Association (MCA) Foundation, the Air Force Association, the Association of Old Crows (AOC), and PEO Simulation, Training and Instrumentation, among others. Folks from each of these organizations were at the chapter meeting.

If there were more space in this column I would discuss



Leaders from the 159th Combat Aviation Brigade serve Christmas dinner to the soldiers at Forward Operating Base Wolverine Dec. 25, 2011 in Army tradition. The 159th CAB redeployed to Fort Campbell, KY, shortly after the New Year.

each chapter I have had the privilege of visiting. I encourage chapters to highlight your programs by working with COL (Ret.) Bob Carter as he writes his monthly chapter column.

There is no doubt that the chapters are the lifeblood of our great organization. I will do my best to visit more chapters before the gavel drops.

May Army Aviation have a safe and successful 2013.

**

LTG (Ret.) Dan Petrosky, President



AAR has more of what government and defense organizations worldwide require — for airlift support, maintenance and modifications, logistics, mobility products and integrated communications. AAR solutions improve readiness and efficiency for critical missions ranging from defense to humanitarian relief.

Agile, reliable and proven, AAR is a trusted supplier to government and defense customers.

AVIATION SUPPLY CHAIN

MAINTENANCE REPAIR & OVERHAUL

> **STRUCTURES** & SYSTEMS

GOVERNMENT & DEFENSE SERVICES



From The Aviation Branch Chief



Why? By MG Kevin W. Mangum

s we approach Aviation Branch's 30th birthday, I couldn't help but think about "why" we formed the Branch three decades ago and "why" we still exist today. What is the true essence of our success and very existence? After much discussion with the United States Army Aviation Center of Excellence (USAACE) team, we determined the "why" is that our Army Aviation branch is relentlessly focused on, and dedicated to, honoring a sacred trust with the commanders and Soldiers on the ground. That "why" drives "what" we do as a Branch and "how" we do it.

That focus and dedication is the reason for our being, and must be a driving force as we develop Army Aviation professionals and develop and deliver indispensable aviation capabilities to support those same commanders and Soldiers on the ground. The development and delivery of those capabilities is the focus of this month's article.

Partnering with Industry "Setting Conditions for the Future"

Our Army Aviation Enterprise, and the way it operates as a tightly integrated unit, is the envy of other warfighting functional leads.

A key element of the success of our enterprise is the close relationship between government and industry in pursuing new technologies and capabilities to keep our fleet current and relevant.

As most of you understand, we have a number of capability gaps in our current aircraft fleet that sometimes limits our ability to safely and effectively support those commanders and Soldiers on the ground.

Our close relationship and constant dialogue with industry allows us to insert current technology today and to develop emerging technologies for the future. This close working relationship with industry partners will be more critical as we move forward to define and develop the necessary technology and capability to field the Future Vertical Lift Family of Systems (FVL FoS).

At the same time, our industry stakeholders help us ensure equipment on the battlefield today is meeting the needs of the warfighter, while remaining safe and survivable. We must challenge each other. Industry must challenge us to define our requirements for today and tomorrow.

And we must (and will!) challenge industry to develop game changing capabilities which will allow us to better support those troopers on the ground, increase reliability, decrease maintenance requirements and reduce operating costs. Together, we are a powerful team, and by challenging each other can achieve revolutionary improvements.



Program Executive Officer, Aviation, MG William T. (Tim) Crosby (center), chairs a panel of industry experts during the 2012 Army Aviation Association of America Annual Professional Forum, April 4th, in Nashville, TN.

Industry's Participation

Our many partnerships with industry are nurtured by continuous interaction between industry and the Army Aviation Enterprise to determine what is the "art of the possible." These efforts include updates on industry independent research and development (IRAD) programs, updates via the Army Capabilities Integration Center's (ARCIC) Technology Information Exchange (TIE) process, and one-on-one meetings and intellectual exchanges with government and industry representatives.

Industry is a key player in the current Joint Multi-Role Technology Demonstrator (JMRTD) science and technology (S&T) program which will provide proof of principle and risk reduction of capabilities required in the FVL FoS.

Four of our industry partners have each been awarded contracts to conduct configurations, trades and analysis (CT&A) in the development of scaled flying demonstrator platforms. These platforms will demonstrate critical enabling technologies necessary for the success of future vertical take-off and landing (VTOL) be they a conventional helicopter, a compound helicopter, tilt rotor, or coaxial rotor vehicle.

Following this effort, solicitations will be released by the Aviation Applied Technology Directorate (AATD) to down-select the companies who will build the demonstrator platforms. Again, assistance from industry during this CT&A process has been, and continues to be, critical in helping us model the revolutionary increase in capability which is within the realm of the possible, given current projected technology.

In addition to the CT&A effort, six industry partners have been participating in the Mission Systems Effectiveness, Trades and Analysis (MS ETA) process with the objective of developing mission systems and mission equipment packages (MEP) that could be common to each platform throughout each of the Services. As each of these efforts move forward, the results and findings will provide



Army troops in the fight for freedom deserve the best support we can offer. The Army's Improved Turbine Engine Program (ITEP) will make sure they get it, specifying new combat performance, capability and efficiency standards for Black Hawk and Apache helicopters. ATEC's HPW3000 engine will provide increased power, enhanced dependability, rapid start capability, increased payload, and improved high/hot performance. With greater range. Burning less fuel. Saving billions of dollars. Learn more about the ITEP engine program and the HPW3000 Engine at ATECPower.net.





Post Career Employment Program (PCEP) website – A unique benefit for all AAAA members.

Click on the PCEP link to get started today!

The Post Career Employment Program serves two AAAA member groups; AAAA Individual Members retiring or leaving active service, and AAAA Industry Members seeking highly qualified soldiers to enhance their work force. For our members it clearly demonstrates that AAAA is the professional organization that supports all ranks and Army Aviation specialties. For our Industry Members we offer opportunities to access highly-skilled and disciplined personnel who can be productive members of their work force.

invaluable insight to the FVL technology development phase of the acquisition process.

The aviation engine industry is also working in close partnership with the Army Aviation Enterprise to develop replacement power systems for the current fleet to improve platform performance in austere environments and to power the medium class FVL.

The results of the Advanced Affordable Turbine Engine (AATE) S&T program will provide increased performance and fuel savings to the Army's utility and attack fleets as it progresses forward as the Improved Turbine Engine Program (ITEP).

The S&T community is also working concurrently with an industry partner in the development of the Future Affordable Turbine Engine (FATE), which will provide increased power, fuel savings and performance to the cargo fleet and may possibly be a candidate engine for the heavy class FVL platform.

Thanks for What You Do

To all of our industry partners, thanks for what you do to help us close these capability gaps and deliver the indispensible capabilities we need to support those commanders and Soldiers on the ground.

To Aviation Soldiers, as always, I thank you for the extraordinary sacrifices you and your families make for our Nation and our Army every day.

During this holiday season, as you give thanks for the many gifts in your life, please keep all of our Soldiers, Department of the Army Civilians, and government contractors in harm's way in your prayers.

Above the Best!

**

MG Kevin W. Mangum is the Army Aviation branch chief and commander of the U.S. Army Aviation Center of Excellence and Fort Rucker, AL.





Warning Systems provides you and your crew with a new level of

situational awareness and precious extra seconds. Seconds needed...to detect hostile threats... to fire and maneuver out of harms way... to

SURVIVE.

60 months OTIF Over 1000 Systems Delivered

+1 203-797-6323 david.imbrogno@utas.utc.com ARMY AVIATION MAGAZINE



High on Performance Low on Cost

The Armed Aerial Scout 72X+ delivers the highest available performance for the Armed Scout mission—at an affordable cost. Proven in the high/hot conditions where an armed scout helicopter must excel, the AAS-72X+ has demonstrated performance that no other helicopter in its class can match. Power, range, endurance and payload capacity, with twin-engine survivability—a new standard has been set. Why repair Vietnam-era helicopters when the newest technology is available at the same price? Soldiers in combat deserve the very best: AAS-72X+.

www.ArmedScout.com







Chief Warrant Officer of the Branch Update



Fitness and the Army Profession

By CW5 Michael L. Reese

s the Army prepares to transition out of sustained conflict, the focus will be on how we sustain and strengthen the quality of the United States Army with a potential significant downsizing in force structure.

The superiority of our Army is our experienced Soldiers who are stressed in varying degrees. As a result, the Army has developed a program and a concept that are directed towards developing the force.

The operational tempo for our Aviation warrant officers often distracts us from the "big picture" and this month I will elaborate on a program called "Comprehensive Soldier and Family Fitness" and the Army Profession concept; both are directly associated with sustaining and strengthening the effectiveness of our force.

Comprehensive Soldier Fitness

Serving in the Army is a stressful occupation from the training requirements at home station through long combat tours. The effect the stress has on the Soldier and his/her family often varies on an individual's resiliency, an important attribute that enables coping skills. To increase the physical and psychological health of our Soldiers, the Army institutionalized the Comprehensive Soldier Fitness Program (CSF) in October of 2009, and subsequently refined it in April of 2010 to the Comprehensive Soldier and Fam-





Soldiers review Master Resilience Trainer course curriculum at University of Pennsylvania.

ily Fitness Program (CSF2).

CSF2 is not exclusively designed for Soldiers with issues; it is a program in the form of self-development modules and resilience techniques that teach specific mental and physical skills. A key component in CSF2 is the Master Resilience Training Course (MRTC) in which warrant officers may be trained and qualified as instructors and earn an additional skill identifier.

The premise behind the course is that we all enter the Army with different thresholds of resiliency (regardless of rank) and since resilience can be learned, MRTC was developed. Like physical strength, physiological strength must be trained, practiced, and refined. The course enhances physiological strength through facilitated small group sessions centering on resilience, building mental toughness, character strengths, and building strong relationships. MRTC has made a significant difference in formations throughout the Army.

After instruction, APFT failures

were reduced, weapon marksmanship improved, and attrition rates in demanding courses have been going down. Moreover, units with established MRT that is inculcated within the organization have one half the numbers of visits to primary health care providers.

The Army Profession

Over the last year the Amy conducted a campaign through dialog and assessment to determine the status of the Army Profession. Similar studies were conducted as the Vietnam War ended and at that time concluded the Army had significant challenges. Through those studies, senior Army leadership took the first step in rebuilding the Army and the Profession of Arms.

The most recent study concluded that after a decade of outstanding combat performance, the Army has maintained a professional and disciplined force of Soldiers. It is an Army where trust throughout the chain of command is a solid Army culture and sense of





selfless duty is its highest ideal. The assessment also identified areas of concern or "fraying" at the edges of its professional ideals that are intended to be corrected by another period of self analysis (like post Vietnam) on the Army Profession.

The desired outcome of the Army Profession Campaign is that all Soldiers are aware of the doctrine and concepts, participate in ongoing dialogue about the profession, and conduct themselves in a manner worthy of their professional status.

The concept begins with initial membership into the profession when the Soldier voluntarily enters into the service and develops *competence* through initial and advanced training. Throughout his/her military career the Soldier serves with *character* as a professional receiving progressive certifications in training, education, evaluations, promotions, and assignments.

The Soldier demonstrates commitment by possessing

the five essential characteristics of the Army Profession: military expertise, honorable service, trust, esprit de corps, and stewardship of the Army Profession.

During fiscal year 2013 all units will conduct Army Profession training per quarterly themes: (1) standards and discipline; (2) customs, courtesies, and traditions; (3) military expertise; (4) trust. Additionally the Center for the Army Profession and Ethic (CAPE) will support 40 installation visits throughout the year to conduct 8 Master Army Profession and Ethic Training courses.

Awareness of programs like Comprehensive Soldier and Family Fitness and dispelling the myth that it is exclusive for the "troubled" is critical; Soldiers and officers with multiple combat tours or none can benefit.

Warrant officers in combat aviation brigades utilized as Master Resilience Instructors have substantial potential for improving over-all effectiveness of the organization.

Throughout this extended conflict (specifically in Aviation) it has been easy to focus on the material and the equipment; MRT focuses on the most valuable resource – the Soldier.

The principles of the Army Profession are not new military standards, values, or ethics. The campaign is designed to allow us to refresh those core beliefs that make our Army the most preeminent in the world.

Above The Best!



CW5 Michael L. Reese is the chief warrant officer of the Aviation Branch with the U.S. Army Aviation Center of Excellence, Fort Rucker, AL.



UH-60A/L & S-70A Black Hawk

360 HR PMI Kit No. HADPMI-1 720 HR PMI Kit No. HADPMI-2 RESET Kit No. HKH60-RESET1

UH-60M Black Hawk

360 HR PMI Kit No. HKH60M-PMI1 720 HR PMI Kit No. HKH60M-PMI2



1690 Summit Street New Haven, IN 46774 Fax: 260.748.8383 Phone: 260.748.8282

HUPP KIT

AH-64 Apache

250 HR Phase Kit No. HKH64-0101 500 HR Phase Kit No. HKH64-0102

CH-47 Chinook

200 HR CSP Kit No. HKH47-0100 400 HR CSP Kit No. HKH47-0101

OH-58 Kiowa

300 HR Phase Kit No. HKH58-0100



In Stock... For Immediate Delivery

www.huppaerospace.com











For today's warfighter and homeland protectors, L-3 WESCAM continually reinvests in turret and sensor development to provide unambiguous clarity with its full-motion video capability. Because critical decisions depend on seeing what the eye can't, day or night, WESCAM incorporates the very best imaging technology into the MX™-Series to protect your people and national infrastructure. Product line enhancements include: HD IR, full-motion video channels, a laser spot tracker, an embedded navigation-grade IMU, short wave IR and a 10-sensor payload capacity.

To learn more, visit www.wescam.com.

WESCAM L-3com.com

Branch Command Sergeant Major Update



The Army as a Profession

By CSM James H. Thomson Jr.

Foster continued commitment to the Army Profession, a noble selfless calling founded on the bedrock of trust. – General Raymond T. Odierno, U.S. Army Chief of Staff

hroughout the past ten plus years of persistent conflict, Army professionals have displayed unparalleled discipline where it matters most- on the battlefield. This certainly holds true for Army Aviation as few have been asked to do as much as our combat aviation brigades have in both Iraq and Afghanistan since the onset of the Global War on Terrorism.

As our Army transitions from a dedicated focus on winning our Nation's wars to an Army training for war, it is certainly prudent now to shift some of our focus to the Army as a profession. This shift in focus is so important that the chief of staff of the Army has approved the "America's Army – Our Profession" education and training program to inform and inspire the force on new doctrine published in Army Doctrine Publication (ADP 1), "The Army."

The education and training program will be executed throughout calendar year 2013 with special areas of emphasis placed on specific elements of the Army Profession during each quarter. Beginning next month, "Standards and Discipline" will be the first area of focus for our CY13 Army Profession education and training program.

Standards

Standards are formal, detailed instructions – describable, measurable and achievable. They provide a mark for performance to assess execution of a task. To use standards effectively, leaders know, communicate and enforce high but realistic standards.

Effective leaders explain the standards that apply to their organizations and empower subordinates to enforce them (ADRP 6-22, "Army Leadership").

Standards are the bedrock upon which we do business in the Army and certainly within Army Aviation as we have many established standards that come in the form of checklists, standard operating procedures, technical manuals and regulations. Most would agree that adherence to these standards are critical to conducting effective and safe aviation operations.

Discipline

Discipline is the soul of an Army. It makes small numbers formidable; procures success to the weak, and esteem to all. – General George Washington

Discipline at the individual level is primarily self-discipline, the ability to control one's own behavior. Discipline expresses what the Army Values require-willingly doing what is right. Discipline is a mindset for a unit or an organization to practice sustained, systematic actions to reach and sustain a capability to perform its military functions (ADRP 6-22, "Army Leadership").

When standards are being met consistently across an organization, it is evident that the leaders of that unit are disciplined; disciplined to not only follow established standards themselves, but to educate the Soldiers on those standards and subsequently enforce them.

Indiscipline

Seldom will you find aircraft maintenance being performed in a hangar or on a flight line without NCOs in the area, but how often do we find that maintenance being performed without the proper technical manuals present?

This indiscipline is really twofold, one on the Soldiers' failing to conduct proper maintenance and secondly by the NCOs not enforcing the standards.

As an NCO corps, we are the standard bearers of the unit and that brings with it tremendous responsibility. If we don't have the discipline to enforce



A Soldier dangles from a UH-60 Black Hawk helicopter as he is lowered to the ground during a training exercise conducted by Company C, 2nd Battalion, 227th Aviation Regiment, 1st Air Cavalry Brigade, 1st Cavalry Division, Jan. 21, 2010. The training was conducted from several different altitudes so the helicopter crews could familiarize themselves on hoist operations.

standards, even the seemingly insignificant ones, we are not only failing as leaders, but putting lives in jeopardy. The Soldiers flying in our aircraft and those fighting on the ground are depending on Army Aviation to be disciplined and uphold the standards.

Discipline and adherence to standards are hallmarks of Army professionals. During this upcoming education and training program and throughout the course of CY13, we should be asking ourselves if indeed "no one is more professional than I and if I am providing outstanding leadership?"

My family and I wish all of the Soldiers, families and civilians of Army Aviation a wondrous and safe holiday season and a blessed new year. Thank you for all that you do for the Aviation Branch, our Army and our Nation.

Above the Best!

CSM Thomson jim.thomson@us.army.mil

CSM James H. Thomson, Jr. is the command sergeant major of the Aviation Branch and the U.S. Army Aviation Center of Excellence, Fort Rucker, AL.



To find out more visit www.utcaerospacesystems.com or email sis@utas.utc.com





Families First

By CSM Richard D. Stidley

y family loves the holidays. Any reason to dress up, decorate and invite people over is cause for excitement in our house, and I can't help but get caught up in the joy of the season too.

Those closest to me have supported me through numerous deployments and truly are my strength, but we aren't unique. All across our Army, families are sustaining their Soldiers and each other with the same determination that has made my career possible. They are each and every one, truly remarkable!

One of the things that's surprised me during my visits to installations is the enthusiasm spouses and other family members bring to safety. I've either led or participated in a good number of spouses' briefings now, and I'm still amazed at how quickly wives and husbands "get" the safety message.

This is stuff we've been drilling into Soldiers' heads for years, yet it's the families who pick up on it the fastest. The problem isn't an intellectual disparity – it's tunnel vision.

Sometimes, Soldiers are so used to doing what they do that they can't see the hazards behind it. Even though spouses are removed from the work environment, they still glean enough from what their Soldiers say to recognize the risk. They also have unmatched personal insight into their Soldiers' off-duty lives.

If you have a Soldier who drives or rides recklessly, you can bet his or her spouse knows about it and probably feels powerless to stop it. You need to give them the power by involving them in your unit safety programs.

I understand the reluctance of some leaders to take this step. We've come a long way in recognizing the importance of families, but institutional barriers still exist in wholly integrating them into the Army's day-to-day operations. There's no reason for that to



Soldiers assigned to 1st Battalion, 131st Aviation Regiment, North Carolina Army National Guard meet their families at the Charlotte-Douglas International Airport on December 29, 2011, upon returning from their deployment to Iraq. The Soldiers were the last North Carolina Army National Guard unit to be deployed to Iraq.

be a problem with safety, however.

Families are who we should naturally be turning to in addressing offduty fatalities. They have the access and the time with their Soldiers to really make a difference, given the opportunity by leaders and safety professionals in the field.

A few years ago, the USACR/Safety Center released the Family Engagement Kit (FEK), a compilation of resources and multimedia products designed for family readiness groups, quality of life representatives and Army chaplains. It's been updated every year since then but hasn't gotten the same visibility as some of our other products, which has done our families a disservice.

Without fail, the spouses and family members we brief are enthusiastic and eager for a kit of their own when they learn about it. But they shouldn't have to hear about the FEK or any other safety tools from me; they should be getting their information from you.

Here's your chance to fill that gap. In December, we released the fiscal 2013 FEK update at https://safety. army.mil in time for the holidays and allows you the opportunity to brief

your families on off-duty safety.

Many well-meaning spouses will spend a lot of money to make their Soldiers happy with expensive gifts like motorcycles or handguns, without giving a second thought to the training and experience required to enjoy them safely. Inevitably, we always lose a few Soldiers to negligent discharges and motorcycle accidents around the time of the holiday exodus. Cut the risk now by making families part of the solution.

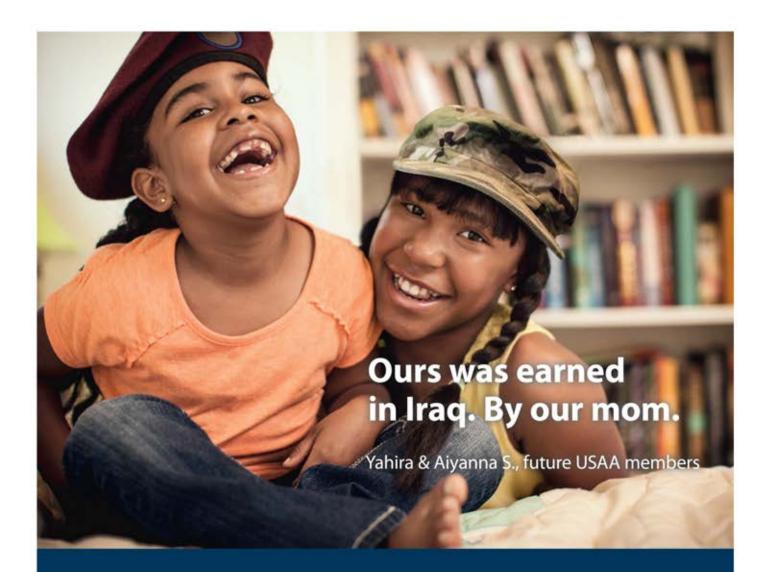
We closed fiscal 2012 with the second-lowest accidental fatalities on record – that's irrefutable proof of the amazing job each of you does every day. Remember you don't have to do it alone; your Soldiers' families will be happy and eager to help you out.

Involving them will take your safety program to the next level, and our Soldiers deserve nothing less.

I wish you all a happy, healthy and safe holiday!

Army Safe is Army Strong!

CSM Richard D. Stidley is the command sergeant major of the U.S. Army Combat Readiness / Safety Center at Fort Rucker, AL.



USAA Auto Insurance. Earned once. Cherished from generation to generation.

At USAA, our commitment to serve the financial needs of our military members, veterans who have honorably served and their families is without equal. In fact, families regard USAA Auto Insurance so highly, 95% of USAA members plan to remain with USAA for life.¹

Begin your legacy. Get a quote.

usaa.com/insurance | 800-531-3550

Insurance Banking Investments Retirement Advice



We know what it means to serve?

Use of the term "member" does not convey any legal, ownership or eligibility rights for property and casualty insurance products. Ownership rights are limited to eligible policyholders of United Services Automobile Association. The term "honorably served" applies to officers and enlisted personnel who served on active duty, in the Selected Reserve or in the National Guard and have a discharge type of "Honorable." Eligibility may change based on factors such as marital status, rank or military status. Contact us to update your records. Adult children of USAA members are eligible to purchase auto or property insurance if their eligible parent purchases USAA auto or property insurance. Automobile insurance provided by United Services Automobile Association, USAA Casualty Insurance Company, USAA General Indemnity Company, Garrison Property and Casualty Insurance Company, USAA County Mutual Insurance Company, San Antonio, TX, and is available only to persons eligible for P&C group membership. Each company has sole financial responsibility for its own products. © 2012 USAA. 139271-0712

¹Based on 2010 Member Communications Trend Survey.



Army Aviation's "Second Home"

By CPT Matthew E. Mazar

In this month's column, I have asked the Alpha Company commander, CPT Mazar, to give us his insight on this initial portal that Aviation enlisted Soldiers pass through on their way to an Army Aviation career.

COL Heitkamp, Commander

ort Eustis, Virginia is not the first place most of us think of when we talk about Army Aviation. We naturally tend to visualize the flight line in Afghanistan and the intense flight operations of units preparing to deploy. However, Fort Eustis is the home of the 128th Aviation Brigade and a whole lot of bustling activity that directly impacts our Branch.

More specifically, the 1st Battalion, 222nd Aviation Regiment ("Skymasters") is responsible for almost all Soldiers enrolled in Advanced Individual Training (AIT) for Aviation MOSs.

In other words, nearly every enlisted aviation Soldier in the U.S. Army comes through this battalion.

Fort Eustis MOS training for enlisted Soldiers is analogous to Fort Rucker for officers going through flight school. It is the beginning of their journey in our branch and it is their foundation for performance on the battlefield. Twelve different aviation specialties are trained here.

Six companies perform command and control for these Soldiers and conduct continuous, dynamic training for between 900 and 1,600 Soldiers at any given time. The unique part about these companies is that they execute 24-hour operations seven days a week. The Soldiers train during the day, the evening, and even the middle of the night. Most courses in the Army do not demand that sort of intensity from their trainers.

Intense, Continuous Requirements

At Fort Eustis, though, training aides and instructors are valuable and finite resources. Aircraft cost a lot more than laptops, trucks, and other devices used to train Soldiers outside



Alpha Company "Gators" marching to the biannual Sports Day competition.

of aviation. Training plans are constantly revised and improved to maximize the quality of training. Sometimes this means Soldiers have to train in the middle of the night.

For the AIT platoon sergeants who bear the brunt of this challenging dynamic, they must be flexible, resilient, and mission-focused. They tend to emulate the rhythm of battle staffs in combat. They work incredibly hard and are truly the backbone of the mission here. There is no "break" at Fort Eustis for AIT platoon sergeants.

During a typical week in the "Sky-masters" battalion, cadre administer over 100 Army Physical Fitness Tests, march Soldiers to every meal, and teach classes on resiliency, the Uniform Code of Military Justice (UCMJ), and Law of War.

They conduct physical readiness training twice per day in every company, conduct room and uniform inspections, and mentor Soldiers who will be the future of our branch.

Administrative functions never cease because Soldiers are constantly in-processing and out-processing. Cadre typically have multiple combat deployments under their belt, so they mentor and train AIT Soldiers with genuine credibility.

With all of the daily requirements and administrative processes, it can be easy to lose sight of why we are here.

That is why we continuously talk about our mission and why our mission statement hangs on the walls of our company. We are here to train the maximum number of Soldiers who meet our long list of standards, then get them out to the operational Army where they can positively influence their teammates. We all came from those operational units, and we know we will eventually inherit the Soldiers we train when we get back to those units.

Demanding AIT

Aviation MOS training at Fort Eustis is much longer and more demanding

than almost any other AIT in the Army. This is a good thing for the Soldiers because they receive more mentorship and more technical skills than their counterparts. It is also a good thing for our branch because the cadre has more time to evaluate their readiness and compatibility with our team in combat. Aviation is a demanding branch and we expect our Soldiers to be the best. I say it often during graduation speeches and it is true: standards are a little higher and we are a little more demanding than other branches. The Soldiers we have in our formation today meet, and often exceed, those expectations.

Since I have been the commander of Alpha Company, I have met Soldiers who have joined our team for all sorts of reasons. They joined to earn citizenship, to prove to their kids that if you want a job you can go out and get one, to fulfill a lifelong dream, to earn valuable technical skills, and many other reasons. Their backgrounds are as varied as you can imagine.

Our demographics include millionaires and the formerly homeless, scholars with multiple Master's degrees, mothers and fathers, 42 year olds and 17 year olds, inner city and country upbringings, business owners and college



Company first sergeants competing against the commanders in a tug-of-war match.

athletes... the list goes on and on. The Soldiers, students and cadre of this battalion work in the shadows of the operational parts of our Branch but they are essential to everything we do as a team. Fort Eustis is active and it really is the

"second home" of Army Aviation!

CPT Matthew Mazar is the commander, Company A, 1st Battalion, 222nd Aviation Regiment, 128th Aviation Brigade, Joint Base Langley-Eustis, VA.





Developing and Supporting the Technology Needs of Army Aviators Yesterday, Today and Tomorrow

By Dan Gobel

AE Systems is working to ensure that future Army aviators will be as in touch with their helicopter as James Bond is with his Aston Martin: man and machine equipped for total awareness and agile mission response.

With more than 50 years' experience in developing and supporting technology that improves flight safety, situational awareness, and platform survivability and lethality our company is advancing aviation technologies to arm today's fighting forces for tomorrow's battlefield.

Today, the U.S. Army relies on BAE Systems to equip its aircraft with Common Missile Warning System (CMWS) providing aircraft with full situational awareness of infrared-guided missiles during combat and support operations.

Fully deployed on all Army aircraft, including multiple variants of the Black Hawk, Chinook, and Apache helicopters, the CMWS sensors set the standard for missile warning and countermeasure employment.

We worked with the Army to develop the CMWS and deliver this crucial protection to fighting forces in Iraq and Afghanistan. The system has logged more than 2 million combat

flight hours since 2004, a statistic that can be attributed to its high dependability and reliability – five times the reliability requirement but, even more importantly it has been credited with saving multiple lives in theater.

ATIRCM

As the Army continues to depend on the CH-47 Chinook helicopter to move equipment and troops at higher altitudes, the platforms need an additional layer of protection.

As a result, BAE Systems accelerated its laser-based directable jammer capability, the Advanced Threat Infrared Countermeasure (ATIRCM).

Delivered ahead of fielding schedules, ATIRCM made an immediate impact on the battlefield.

Since its deployment on CH-47 Chinook helicopters in late 2009, the ATIRCM system has proven to be the most reliable, directable infrared countermeasure system yet fielded, and has already been credited with saving aircraft from missile attacks.

Like the CMWS, ATIRCM systems enjoy mission availability rates far in excess of the established requirement.

CIRCM Next Step

In 2010, our company developed

BOLDSTROKE® DIRCM, a next-generation laser jamming system which provides a solution for the Common Infrared Countermeasures (CIRCM).

The BOLDSTROKE® DIRCM, a smaller, improved version of the highly successful ATIRCM, is designed to meet the small space, weight, and power requirements of the balance of the Army's helicopter fleets.

When it comes to Army aviation, our engineers believe in designing reliable aircraft protection systems that enable fighting forces to conduct successful missions.

APKWS

Another BAE Systems innovation is the Advanced Precision Kill Weapon System (APKWS®). Currently being used in time-critical situations in Afghanistan, APKWS transforms a standard unguided rocket into a laserguided precision weapon.

It is the only U.S. government program of record for the semi-active laser-guided 2.75-inch rocket. The system offers the U.S. armed forces and the special operations community new combat capabilities for air, ground, and sea-based platforms.

Bridging the gap between unguided small-diameter rockets and larger di-



CREATED WITH VISION.

The world continues to change. New threats emerge. New fronts arise. That's why at BAE Systems, we work relentlessly to stay ahead of any challenge our customers may face. A serious problem facing rotorcraft pilots is the ability to see in degraded visual environments, like brownout conditions. BAE Systems created the Brownout Landing Aid System Technology (BLAST) to give pilots situational awareness in these dangerous conditions—meeting the need for an affordable, lightweight system that helps keep them safe and on course. Knowing our work makes a difference inspires us to push ourselves to new levels. So no matter the challenge, we'll be there—on the next front.



ENDICOTT, NY

Learn more at: WWW.BAESYSTEMS.COM/NEXTFRONT



U.S. soldiers unload gear from an Advanced Threat Infrared Countermeasure (ATIRCM)-equipped CH-47 Chinook in Afghanistan in 2012.

ameter anti-armor munitions, the system can be integrated directly onto numerous helicopters and fixed-wing aircraft as well as unmanned aerial vehicles.

Available at one-third the cost and one-third the weight of the existing inventory of laser-guided weapons, APKWS is deployed in Afghanistan and has been launched from U.S. Marine Corps and U.S. Army helicopters. As it approaches 100 engagements, we are proud to report that the system has an excellent success rate.

BLAST

As conflicts continue in areas of desert terrain and rotorcraft pilots must do their jobs in wind-blown, brownout conditions, the incidence of helicopters landing in dangerous degraded visual environments has dramatically increased.

To help these pilots maintain their visual situational awareness and fly safely in these conditions, BAE Systems created the lightweight Brownout Landing Aid System Technology (BLAST).

Launched last year, the BLAST system helps helicopter pilots see through obscurant conditions and identify dangers such as electrical poles and wires to safely achieve mission success.

BLAST uses a millimeter-wave radar seeker to scan a landing zone in

real time, in combination with digital terrain elevation data.

Pilots receive three-dimensional visional situational information and obstacle warnings through a brownout set via a cockpit, head-up, or helmet-mounted display.

Because it weighs only 30 to 35 pounds, BLAST can be used in aircraft such as the Boeing CH-47 Chinook, Sikorsky H-60 and CH-53, and Bell Boeing V-22, as well as the AH-6 Little Bird.

Flight tests for BLAST have yielded multiple successes on Sikorsky H-60 and Bell UH-1 test beds.

Our engineers constantly apply new technology and advanced techniques to help aviators do their jobs and improve the dependability, performance, and capability of existing systems.

These technology insertions and upgrades integrate new capabilities into existing product families to keep protection and survivability relative throughout the platform's life cycle.

The company's focus on obsolescence management is a prime example of this goal. BAE Systems is helping the military, government agencies, and commercial customers plan for aging or obsolete parts in complex systems and platforms, including aircraft, ships, vehicles, machines, and electronics.

Our advanced component obsoles-

cence management tools and services allow users to forecast when a part will become obsolete or too expensive, and finds suitable replacements from across the marketplace.

The Future

So, how will future helicopter architectures look? Picture a smartphone with a rotor.

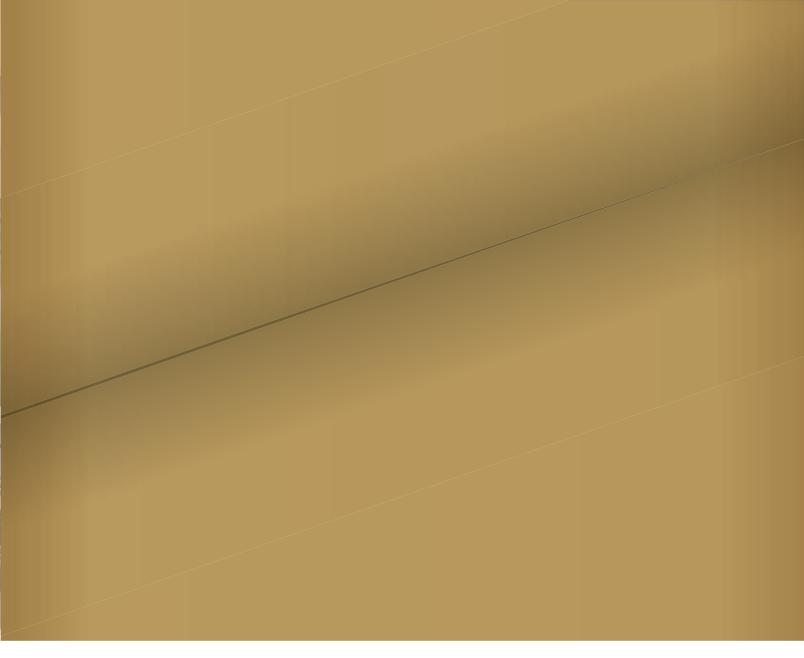
The future market will see multispectral sensors and software applications running on a single processor that gives maximum situational awareness and aircraft and aircrew survivability while enhancing mission effectiveness.

As it has throughout its history, BAE Systems continues to evolve technology so the aviator can be fully connected with his aircraft, assuring success on tomorrow's battlefields.

And, unlike Bond's advice from M, our systems are designed to be used and operated – don't worry about "breaking them," they are reliable and dependable and designed to be used and employed.

They are designed to make your missions successful. They are designed to provide you the operational edge. They are designed in the spirit of our mission of "We Protect Those Who Protect Us®."

Dan Gobel is the president of Electronic Systems, BAE Systems.



The Finishing Touch.

The Right Facilities, Tools, Experience and Leadership.

At SES, we work to find solutions to meet our customers' needs. That is why our state of the art paint facility, experienced technicians and existing contract vehicles make it easy to ensure your aircraft looks as good as it flies. Call to discuss your contract options and see how easy it is.

















By Greg Hubbard

ell Helicopter has a long history with the U.S. Army and is proud of the relationship that began during the Korean conflict where the Bell 47 was used as the first MEDEVAC and scout helicopter. Then in Viet Nam the sound of the Huey, for many, was the defining sound.

Today in the Middle East the OH-58 Kiowa Warrior helicopter provides critical support for our ground troops.

With this rich legacy, but clearly eyeing the future Bell Helicopter has created a roadmap that provides a best value approach to meeting today's evolving needs, while preserving budget for the Future Vertical Lift program.

Today's OH-58 program is multifaceted, but with one common goal - to provide both the critical number of aircraft and capabilities required to give our fighting force a decisive combat edge.

The D-Model

Since its introduction into the Army fleet in 1992, the OH-58D Kiowa Warrior has been in continuous use, logged over 2 million flying hours and

800,000 combat hours, and consistently achieves the highest availability and readiness rates for any Army helicopter. It remains the most requested Close Air Support (CAS) platform by ground commanders in combat today.

Due to the vital combat role the OH-58D plays, any battlefield loss is noticeable. To maintain the OH-58D fleet at the numbers needed, the Army created a Wartime Replacement Aircraft Cabins program to recapitalize existing airframes and replace Kiowa Warriors lost in combat.

The first part of this program is the A2D program. Like the name implies, it takes existing "A" model OH-58 stripped down frames and upgrades them to "D" model fully outfitted cabins.

Working with Corpus Christi Army Depot (CCAD), Bell delivered the first cabin to CCAD in October and CCAD delivered the first new WRA aircraft to the Army in December of last year. The other part of the program involves a new metal cabin that produces an OH-58F helicopter.

The first OH-58F engineering, manufacturing, and development (EMD) demonstration aircraft has been delivered to the Army and is slated to conduct first flight in April 2013.



Our thermal management systems improve performance, reliability and mission success.







F-Model a Reality

Two years ago at AUSA, the Army awarded the OH-58F designation to the Kiowa Warrior. The "F" model delivers a multitude of advancements that include a state of the art nose mounted sensor and enhanced situational awareness from three full color multi-function displays (MFD).

These leap ahead technology upgrades are accomplished through the Cockpit and Sensor Upgrade Program (CASUP) which together with the Wartime Replacement Cabin program will help sustain the Kiowa Warrior fleet through 2032.

Taking its cue from previous Army upgrade programs, Bell Helicopter has developed a Block modernization concept for the OH-58 that meets to-day's requirements while providing a clear roadmap for future upgrades.

Block II

The OH-58 Block II combines a new, more powerful Honeywell HTS900 engine, an improved transmission and main rotors for greater safety and performance and a new tailrotor and gear box assembly for improved high/hot tailrotor authority.

This new Bell funded Block II demonstrator flew in October for the Vol-

untary Flight Demonstration (VFD) phase of the Army Armed Aerial Scout (AAS) program. During the VFD, the Block II demonstrator compiled a total of 12 flight hours and verified 6,000 feet / 95 degrees Fahrenheit (6K/95) performance and greatly improved handling qualities.

Looking to the Future

Looking to the future and past the Block II, Bell Helicopter is currently working on a Block III spiral upgrade which will incorporate a 6000 pound rated main rotor, dual hydraulics, and the Future Advance Rotor Drive System (FARDS) transmission. FARDS was initially awarded to Bell in September 2010 and is comprised of 18 technology improvements.

This proven Block improvement roadmap could potentially save the Army more than \$10 Billion over the 20 year life-cycle of the scout helicopter, money that in today's scarce budget environment could be applied to other Army aviation programs like the Future Vertical Lift (FVL).

Future Vertical Lift

The Bell team has analyzed the Army requirements and feels the only aircraft that can meet the FVL require-

ments for speed, range and endurance is a next generation tiltrotor. Using the considerable tiltrotor knowledge and combat experience we have accumulated, Bell is creating a "clean sheet" new aircraft that will incorporate all the designing for manufacturing lessons learned to deliver an aircraft that will establish new standards for supportability and reliability.

This aircraft will revolutionize the forward battlefield environment with less reliance on forward area rearm/refuel points (FARP) and give the Army the flexibility and ability to deploy faster and with less cost than they currently can.

Like previous tiltrotors, this FVL will become the next great disruptive technology our military has to continue to give our troops the battlefield advantage they deserve.

Bell Helicopter is committed to maintaining its legacy with the Army and is investing to meet its requirements both in the near and distance future.

**

Greg Hubbard is the manager of military communications at Bell Helicopter Textron, Inc.

Life insurance for service members starting out and those getting out.



For families on tight budgets, our Level Term I low-cost life insurance can save you up to 27% over SGLI. If you're getting out, our Level Term II policy is a very attractive alternative to VGLI, especially for service members 35 and over. Look at the advantages. Premiums significantly less. Rates reward good health. Premium never increases. Death benefit never decreases. The coverage you've earned. The coverage you can keep.



No war, No aviation, and No terrorist clauses.





Stability . Reputation . Low Cost . Since 1879

Call now 1-877-398-2263

www.aafmaa.com





Navigator Development Group, Inc.

By LeeAnn Capps

People and performance are the cornerstones of Navigator Development Group, Inc. This service disabled veteran-owned business is located in the Wiregrass community near Fort Rucker, AL. As a values-based company, Navigator is able to attract and retain a high quality workforce of outstanding subject matter experts, the majority of whom are military veterans.

Navigator's co-founders Albert L. Patterson III and Keith E. Gay opened their doors 15 years ago on September 15, 1997. What began as a two-man operation working off a folding table in a back office of the historic Rawls Hotel, has grown into a formative defense, construction, and information technology solutions provider on a global scale.

From that first rented space, Navigators' owners established their corporate headquarters in the historic hotel which they now own. The historic Rawls Hotel serves as the company's global corporate headquarters located in Enterprise, AL. In addition, the company's regional headquarter is located in Huntsville, AL, and it operates an

overseas branch office in Erbil, Iraq.

"When we first started the business, we decided we wanted to live, work and raise our families in the Wiregrass," Patterson said. "We set out to build the company in such a way that as we've grown and diversified, we continue to prove that we and our employees can live where we want to live, and participate in business opportunities throughout the world."

Navigator actively recruits military veterans because of their exceptional knowledge, dedication, professionalism, values and work ethic. "We are attracting great talent into our workforce that comes off the parade field of Fort Rucker," he said.

Supporting the Department of Defense and the federal government for more than 15 years, the co-founders said their success is based on great talent that is able to deliver products and services on time and within budget.

A key element of this process is to select the right people for the job, often those with extensive experience within the customer's organization, and with a background in the specific tasks in mind.

As the military is relying more on technology for training, such as the Army Learning Concept 2015, Navigator's interactive 3D content development group provides next generation technology.

Through the use of 3D technology, Navigator developers convert images and the written word into three dimensional and immersive environments so learners can understand complex information quickly. Using 3D technology content creates motivation in training – in the classroom, for businesses and for the military to improve knowledge transfer of products and processes.

Content can be adapted for any computer device and available as an App for remote and distance learning.

Diverse Portfolio of Services

Navigator maintains awareness of industry trends and adjusts its operations to expand its business-to-business relationships. Because of its diverse business opportunities the company operates primarily within six market areas: defense and aerospace; information technology; advanced visualization solutions; education and training; construction solutions; and operations, maintenance and logistics.

As the company has expanded into the different market areas, Patterson said serving the client base continues to be the number one priority. Patterson has a worldwide perspective on trends and issues, and his foresight continues to lead the company's strategic direction and growth. Gay is proficient in organizational management and well grounded in business development to guide Navigator's expansion into diverse markets. Their creative forces together make for a successful formula. "We have stayed on top of the latest technology, which allows us to operate and network collaboratively and globally," Patterson said.

Additionally the two know how to take their vision and make it a reality. Their individual talents fit together seamlessly. "Anyone can be a visionary to dream what can be, but to make it happen you have to inject yourself into it – how does it work," Gay said. You have to visualize getting there – all the details, all the pieces and parts to get you there and back. Once you plan, organize and staff to support both the vision and understanding of what it takes to execute it, then you have to have the talent base and we've been fortunate to find great people," he said.



THE VALUE OF TAKING UH-60L DIGITIZATION TO NEW HEIGHTS.

High-tech systems. Low-risk solutions.

Northrop Grumman's Cockpit Digitization
solutions have been tested in countless combat
missions in Afghanistan. Its fully open, DO-178
compliant software makes it easily upgradeable,
keeping the evolution of the UH-60L on schedule
and on budget. That's why we're a leader in adaptable,
affordable solutions.

THE VALUE OF PERFORMANCE.

33

NORTHROP GRUMMAN



Navigator Development Group Inc. was recently named Business of the Year by the Enterprise Chamber of Commerce. Shown in the photo are (from left) Navigator co-founder Keith Gay, Chairman of the chamber board John L. Mitchell and Navigator co-founder Al Patterson.

Awards

Over the years, Navigator has been recognized by state and national organizations for its commitment to customer service and its employees.

■ Navigator was the first recipient of the Alabama "2006

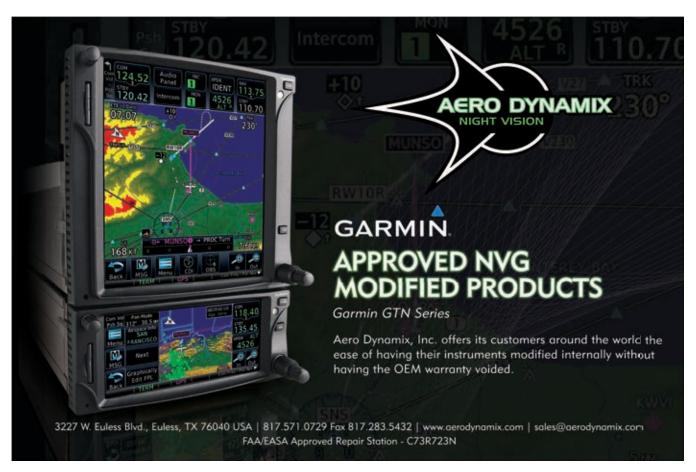
Governor's Trade Excellence Award" in Exporting. The governor's Trade Excellence Award seeks to recognize Alabama companies that have made a significant contribution to, or had success in international business, in the areas of agriculture, manufacturing and services.

- As a service disabled veteran-owned business, whose co-founders have rated disabilities from the Veteran's Administration, the most prestigious award was being named Alabama's Disabled American Veterans (DAV) Small Employer of the Year 2007 and 2010, and the National DAV Small Employer of the Year 2007 and 2010.
- Boeing 2008 Diversity Advocacy Roundtable Team Achievement Award for a service disabled veteran-owned small business.
- In a recent Deltek Regional Report, Navigator was identified as the 4th largest service-disabled veteran-owned small business prime vendor in the Huntsville region.
- In September, Navigator Development Group Inc. was named Business of the Year during the 71st Annual Enterprise Chamber of Commerce Membership Banquet.

"The Business of the Year award is given to a business that symbolizes and represents the efforts of all owned and operated businesses in Enterprise by offering products and/or services with pride and efficiency."

Navigator is a registered service disabled, veteran-owned business within the Central Contractor Registration (CCR), Online Representations and Certifications Application (ORCA) program and holds a GSA Consolidated Schedule.

LeeAnn Capps is the director of media technology and communications for Navigator Development Group Inc., Enterprise, AL.





THE VALUE OF COMMANDING UNMANNED POWER.™

When you can go where others can't, you

gain a powerful advantage. From undersea

to outer space, Northrop Grumman is at

the forefront of every aspect of unmanned

systems. Our advanced platforms and

technologies offer customers a wide range

of new capabilities-resulting in greater

safety, reduced costs, and improved

mission effectiveness. That's why we're

the leader in Unmanned Systems.

THE VALUE OF PERFORMANCE.

NORTHROP GRUMMAN



hen a soldier on the battlefield calls for aerial support, it's likely that a Kiowa Warrior or Chinook helicopter will arrive on scene. The Bell OH-58 Kiowa Warrior is an armed scout attack helicopter, and the Boeing CH-47 Chinook is a twin-engine, tandem rotor heavy-lift helicopter, used for cargo and troop transport.

Al Haase, president and CEO of AGC Composites & Aerostructures Group shares, "Two of our companies, Unitech Composites and Integrated Composites, each utilize Diversified Machine Systems, 5-axis computer numerical control (CNC) routers in their operations, and we're extremely proud that our high quality products and systems support the

commercial and general aviation market, as well as a wide range of U.S. military platforms."

CUWP

Located in Marina, California, Integrated Composites manufactures the lightweight Composite Universal Weapons Pylon (CUWP), which is mounted on the sides of the OH-58D Kiowa Warrior helicopter.

"The CUWP was an original design by our team in order to help reduce weight on the aircraft," said Preston Sandusky, chief operating officer for Integrated Composites. "We have since transitioned into high volume manufacturing as demand has grown within the U.S. Army," he added.



Above: Composite Universal Weapons Pylon (CUWP)

Left: The Diversified Machine Systems (DMS) 5-Axis CNC Router machining a panel for the CH-47 Chinook at Unitech Composites.

The CUWP provides an important attack capability for the pilots, and the carbon composite material reduces the weight load on the helicopter. "Initially, profiling the ends of the composite pylon tube was done by hand, which was very time consuming, and this created a dilemma as we faced increasing demand for the product," said Sandusky. "The solution was the Diversified Machine Systems (DMS) 5 Axis CNC Router, which was the cost-effective solution for trimming the carbon tube profile for bonding of the inboard and outboard titanium fittings of the CUWP," said Sandusky.

CH-47 Maintenance Walkway

At Unitech Composites in Hayden, Idaho, they support Army Aviation by manufacturing products such as the Maintenance Walkway Panel for the CH-47 Chinook helicopter. Located at the rear of the helicopter, directly below the rear rotor assembly, the panel can be opened and extended down to serve as a maintenance platform for the aircraft maintenance personnel to stand on to do their work.

"We manufacture over 150 panels a year for CH-47 aircraft", said Tim Shuburg, director of operations for Unitech Composites. "In the past we were cutting these parts manually, which was very labor intensive and caused excessive scrap. This prior approach limited our ability to produce large volumes of parts," he added.

Efficiency through Automation

As the complexity and precision of composite parts increases, advanced manufacturing capabilities are necessary to remain competitive within the aerospace industry.

"When we implemented the DMS 5 Axis CNC Router it provided a sub-

RoLin's Windshield Buddy Covers & Portable Hangars



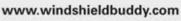
Protecting aircraft from the elements sun, sand, and rain





















Inside Shades, Components, and Munitions Covers. Visit our website to see which products best fit your needs. We have many NSN's assigned. Installation Training videos are available.

RoLin Industries, Inc.

634 Lovejoy Rd. • Ft. Walton Beach, FL 32548 Phone: 850.654.1704 • Toll Free: 888.667.9455

E-Mail: sales@windshieldbuddy.com



Contract #GS-07F-0520N

@RoLin Industries, Inc. 2012 All Rights Reserved. Patent No. US 6,749,151 B1 • US 7,131,600 B2



Idaho Governor, C.L. "Butch" Otter, (second from left) touring the Unitech Composites Facility with the DMS 5-Axis CNC Router at work.

stantial savings in labor, as well as greater accuracy of the trimmed part – which in turn reduced scrap.

Also, we don't use our machine to rotate into position; we use all 5 axes at the same time during the cutting. We can keep our cutter true to the design of the engineers, so that manual processes are minimized. Our capacity has more than doubled since adding

the 5-Axis machine," said Shuburg.

Another problem with the manual approach in the past was evident in the time consuming inspection process. Unitech Composites also utilizes their DMS 5-Axis to inspect parts.

"The only true way to check the measurement of a flexible fiberglass part trim would be to leave it on the fixture in the position it was trimmed. With a probe attachment and Delcam software, we're able to mimic the machine movements and create the surface placement in space, without allowing it to move into a new position," said Shuburg.

"In the past we had to try and recreate the holding scenario in quality assessment; now, we can check it in its natural state without moving the part, it can probe each point and compare to the model. The accuracy is within 0.002", and the measurement data is formatted into a document that we provide to our customers as a first article inspection report," added Shuburg.

The requirement for state-of-theart technology is apparent in the aerospace industry, and the importance is most evident in supporting our nation's military during a time of war.

"We are fully committed to the highest standards of quality and continuous improvement in serving our customers, and tangible evidence of this is how we utilize the DMS solution in our manufacturing," said Al Haase.

Kevin Gonzalez is the marketing manager for the Composites & Aerostructures Group of AGC Aerospace & Defense headquartered in Hayden, ID.





800-295-9595 | INFO@KIPPERTOOL.COM | KIPPERTOOL.COM



The Right Team, The Right Choice, The Right Reason.









At SES, our Warfighters are at the heart of what we do.

When our men and women are at war, it's important that they have the most technologically advanced solutions out there. Science and Engineering Services, LLC (SES) has accepted the

challenge of bringing these warfighter. Through advanced prototyping, manufacturing, integration, our team has the handle most any project, no



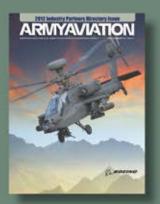
technologies directly to the research and development, training, and total systems knowledge and firepower to matter how large or small.

SES – Small Business Customer Focus, Large Business Capability



248 Dunlop Blvd. • Huntsville, AL 35824 • (256) 258-0500 • www.sesius.com

2012 Industry Partners Directory ARWYAVIATION



ARMY AVIATION Magazine's Industry Partners Directory is a paid advertising section of ARMY AVIATION's world-wide, year-round reference for individuals and organizations engaged in the overall field of U.S. Army Aviation. The organizations are listed by the following categories: Manufacturing, Maintenance & Product Overhaul, Consultants/Special Services, Educational and Associations.

Any firm that wishes to be included in next year's directory should contact Bob Lachowski at Army Aviation Publications, Inc., 755 Main Street, Suite 4D, Monroe, CT 06468-2830; Telephone: (203) 268-2450 ext. 131; or email: bob@quad-a.org

Manufacturing

3M Aerospace

http://www.3m.com/aerospace



3M Aerospace provides innovative products and solutions such as rotorblade protection and transparency restoration, to help reduce downtime, cut maintenance costs and extend the life of your aircraft.

Matthew Scavo Global Marketing Supervisor (651) 733-7976 mscavo@mmm.com 3M Center, Bldg 223-1N-14 St. Paul, MN 55144

A.A.I (Aviation Artifacts, Inc.)

http://www.aaiusa.us



Manufacturer of the ALSET-400 Tester for Army Aviation Life Support Equipment (ALSE). The "Solution" for testing Aviator's flight equipment.

Robert C. Le Beau President/CEO (800) 845-1994 robert@aaiusa.us 1213 Sandstone Drive St. Charles, MO 63304

AAR Mobility Systems

http://www.aarmobilitysystems.com



Mobility Systems

World Leader in Lightweight, Rapidly Deployable Mobility Systems and Sustainment Solutions, Palletized Systems, ISU Containers, Tactical Shelter Systems, Expeditionary, Command and Control, Sustainment, Maintenance, Repair, and Life Cycle Support.

Art Breithaupt VP, Sales & Marketing (231) 779-4847 art.breithaupt@aarcorp.com 201 Haynes Street Cadillac, MI 49601

Michael Feil GM, Federal Services (256) 830-7001 michael.feil@aarcorp.com 140 Sparkman Drive Huntsville, AL 35805

Aerial Machine & Tool Corporation http://www.aerialmachineandtool.com



AERIAL is a high quality contract manufacturer of mil-spec, build-to-print and custom made products. Specifically focused on technical sewing, machined parts, and assembly of other diverse components.

John Marcaccio President and CEO (276) 952-3117 john.marcaccio@aerialmachineandtool.com 4298 JEB Stuart Highway Meadows Of Dan, VA 24120

Air Comm Corporation http://www.aircommcorp.com



Backed by decades of technical experience. expertise and innovations, Air Comm Corporation is a leading provider of environmental control and thermal management systems to OEMs, major militaries, customizing centers, and major operators worldwide.

Keith Steiner CEO (303) 440-4075 ksteiner@aircommcorp.com 3330 Airport Road Boulder, CO 80301

Aitech Defense Systems

http://www.rugged.com



Aitech Defense Systems, Inc. serves the worldwide defense, aerospace and space electronic embedded computing markets. The company offers a complete line of industry standard, rugged COTS embedded computing subsystems and

Doug Patterson VP, Military and Aerospace Sector (818) 700-2000 doug.patterson@rugged.com 19756 Prairie Street Chatsworth, CA 91311

Alion Science and Technology- Rapid **Engineering Solutions**

http://www.alion-res.com



Alion-RES specializes in rapid engineering solutions for problem or obsolete parts, providing technical expertise in engineering, materials research, finite element analysis, testing and qualification, precision machining and prototype fabrication.

Eric Peterson Program Manager/Chief Scientist (715) 463-4390 epeterson@alionscience.com 355 Industrial Park, Suite A Grantsburg, WI 54840

Ancra International http://www.ancra.com



Designer and manufacturer of cargo restraint systems and equipment for the transportation industry and equipment for military applications, air and land vehicles for over 40 years.

Joe Hastings Director - Military/Government (313) 505-9814 jhastings@ancra.com 27990 Southpointe Grosse Ile, MI 48138

ARMYAVIATION

Michael Holmes Contracts Manager-Government & Military (800) 929-2627 (255) mholmes@ancra.com 2685 Circleport Drive Erlanger, KY 41018

ATK

http://www.atk.com



ATK is focused on developing and manufacturing highly-engineered materials and products that support mission-critical applications for our defense, aerospace, and sporting customers.

Bart Olson

Vice President Strategy and Business Development DefenseGroup.BDev@atk.com

BAE Systems

BAE SYSTEMS

BAE Systems' Electronic Systems sector has operations spanning commercial and defense electronics markets, and offers a broad portfolio of mission critical electronic systems, products and capabilities.



Russ Gilman VP, Customer Requirements, Electronic Systems (703) 247-4763 russ.gilman@baesystems.com VA041 2000 North 15th Street Arlington, VA 22201

Bill Tanner
Director, Business Development, Electronic
Systems
(703) 247-4769
william.tanner@baesystems.com
VA041
2000 North 15th Street
Arlington, VA 22201



Joe Jellison
Director, Army Programs,
Electronic Systems
(256) 537-4095
joseph.jellison@baesystems.com
AL022
308 Voyager Way
Huntsville, AL 35806-3200



Tony Nieto Manager, Intelligence Systems & Capabilities, Electronics Systems (520) 508-3762 anthony.nieto@baesystems.com AZ060

4116 Avenida Cochise Suite S Sierra Vista, AZ 85635-5871



Jim Riser
Director, Business Development,
Electronic Systems
(410) 273-8872
james.riser@baesystems.com
MDO72
4694 Millennium Dr Ste 510
Belcamp, MD 21017-1517



Bill Devine Manager, Business Development, Electronic Systems (603) 885-9638 william.o.devine @baesystems.com NH015 130 DW Hwy Merrimack, NH 03054-4898



Emmett Burke Director, Business Development, Electronic Systems (603) 689-4362 emmett. burke@baesystems.com 1022 Lillington Highway Spring Lake, NC 28390



Rajani Cuddapah Director, Precision Guidance Solutions, Survivability & Targeting Solutions (603) 885-6264 rajani.cuddapah @baesystems.com NHQ03 65 Spit Brook Roadd Nashua, NH 03060-6909



Milan Dedek Director Rotary Wing Control Systems, Electronic Systems (607) 727-3222 milan.m.dedek @baesystems.com 1098 Clark Street Endicott, NY 13760



Lara Louis
Director, Threat Management
Solutions, Electronics Systems
(603) 885-7652
lara.louis@baesystems.com
NCA01-4264
95 Canal Street
Nashua, NH 03064-2813

Bell Helicopter http://www.bellhelicopter.com



A Textron Company

In response to our customers' requirements, Bell Helicopter continues to set the standard on the battlefield by providing the warfighter with exceptional aircraft that combine ruggedness, reliability and flexibility. On a Mission.



Michael J. Miller Director of Military Business Development (817) 280-6248 mjmiller@bh.com P.O. Box 482 Ft Worth, TX 76101



Terry Reeves
Manager of Military Business
Development
(817) 280-9412
treeves@bh.com
P.O. Box 482
Fort Worth, TX 76101

The Boeing Company http://www.boeing.com



Boeing is one of the world's largest defense, space and security businesses specializing in innovative and capabilities-driven customer solutions to meet current and rapidly evolving requirements.



Leanne Caret Vice President of Vertical Lift & H-47 Program Manager 189 South Stewart Avenue Ridley Park, PA 19073



David Koopersmith
Vice President of Attack
Helicopters & Senior Mesa Site
Executive
5000 E McDowell Road
Mesa, AZ 85215

BoltByte Tools http://www.boltbyte.com



BoltByte Tools, the leading manufacturer of FOD prevention and hardware tracking tools. Numerous patterns for Military and civilian aircraft. Custom designs also available. Let us help you prevent FOD.



Ken Questiaux VP of Operations (724) 360-2658 boltbyte@earthlink.net 570 North Pike Road Sarver, PA 16055



Paul Donaldson VP of Sales (724) 713-7706 BoltByte@earthlink.net 570 North Pike Road Sarver, PA 16055

CAE USA

http://www.cae.com



CAE is a global leader in modeling, simulation and training for defense. CAE provides simulation products, training services and integrated enterprise solutions.

Michael Weigart Manager, Marketing/BD (813) 887-1374 michael.weigart@caemilusa.com 4908 Tampa West Blvd Tampa, FL 33634

Cessna Aircraft Company http://www.cessna.com



General aviation's leading manufacturer offering the industry's broadcast product line of business jets, single engine piston, and turbo prop utility aircraft, including special mission variants.

Bill Williams Manager, Government & Special Sales Mission Programs (316) 517-8652 bhwilliams@cessna.textron.com One Cessna Blvd Wichita, KS 67277

Cobham Aerospace Communications http://www.cobham.com

OBHAM

Design/manufacture/support of fixed- and rotarywing aircraft avionics systems for special mission, military, and commercial platforms. Technologies: Flexcomm[™] tactical multi-band communication systems, FM/AM radio systems, digital/analog audio management

Tom Leitzel **Business Development Manager** (410) 979-7485 tom.leitzel@cobham.com 6400 Wilkinson Drive Prescott, AZ 86301

Mike Bontell Director, Sales & Marketing (949) 705-7504 mike.bontell@cobham.com 6400 Wilkinson Drive Prescott, AZ 86301

David Clark Company http://www.davidclark.com



In the air, on the ground, or on the water, David

Clark provides headset communication systems for virtually any military application, including aviation headsets and wireless ground support communication systems.

John Tasi Product Manager, Government (508) 753-5827 jtasi@davidclark.com 360 Franklin Street, Box 15054 Worcester, MA 01615-0054

Dayton-Granger, Inc. http://www.daytongranger.com



Antennas. Electrostatics. Lightning. 750 proprietary aerospace products since 1943 (7 decades experience) as a leading manufacturer of state-of-the-art, proven, cost effective, highquality, reliable products. First in Design. Quality. Reliability.

Sales Department (954) 463-3451 sales@daytongranger.com 3299 SW 9Th Ave Fort Lauderdale, FL 33315

Donaldson Aerospace and Defense http://www.donaldsonrotorcraft.com



Donaldson Aerospace & Defense is the industry leader in the design, development and manufacture of high-performance engine IBF and IPS systems for military propulsion systems.

Robert Stenberg Director of Business Development, AFS, Inc. (636) 300-5267 bob.stenberg@donaldson.com 17891 Chesterfield Airport Road Chesterfield, MO 63005

Robert Barr Contracts Manager (636) 300-5260 barr@afsfilters.com 17891 Chesterfield Airport Road Chesterfield, MO 63005

Dynetics

http://www.dynetics.com

The Power of Solutions

Dynetics specializes in aviation-related weapon systems R&D; systems and payload integration; modeling & simulation; threat analysis; test & evaluation: instrumentation: electronic and mechanical prototyping; and logistics.

Phil Freeze Busines Development, Aviation (256) 964-4991 phil.freeze@dynetics.com P.O. Box 5500 Huntsville, AL 35814

EADS North America

http://www.eadsnorthamerica.com



NORTH AMERICA

EADS North America is the North American operation of EADS, a global leader in aerospace, defense, homeland security and related services.



Mr. Steve Mundt Vice President, Business Development (703) 466-5778 stephen.mundt@eads-na.com 2550 Wasser Terrace, Suite 9000 Herndon, VA 20171



Mr. Joseph Mudd Director, Business Development (703) 466-5776 joseph.mudd@eads-na.com 2550 Wasser Terrace Suite 9000 Herndon, VA 20171

Faton

http://www.eaton.com



Eaton Aerospace is a supplier of aerospace components and systems for rotary and fixed wing aircraft.

Jan J. Bethke Technical Support Manager, U.S. Military (856) 371-4226 ianibethke@eaton.com

Terry Truett US Army Account Manager (910) 364-1643 terrytruett@eaton.com

Elbit Systems of America http://www.elbitsystems-us.com



Elbit Systems of America is a leading provider of high performance products and system solutions focusing on the commercial aviation, defense, homeland security and medical instrumentation markets. The proven supplier of heads up displays for every US Army UH-60/L/M, CH-47D/F, and AH-64D/Block II aircraft, Elbit Systems of America is dedicated to those who contribute daily to the safety and security of the United States.



D. Kelly Dameron VP Airborne Solutions (817) 234-6648 d.dameron@elbitsystems-us.com 4700 Marine Creek Parkway Fort Worth, TX 76179

ARWYAVIATION

Robert Waage
Director Business Development
(817) 231-4437
robert.waage@elbitsystems-us.com
4700 Marine Creek Parkway
Fort Worth, TX 76179



MG (USA Ret.) Kenneth J. Quinlan VP Marketing-Huntsville Operations (256) 724-2431 kenneth.quinlan @elbitsystems-us.com 5030 Bradford Dr. NW, Bldg. II, Suite 115 Huntsville, AL 35805

Essex Industries

http://www.essexindustries.com



Essex manufactures aerospace equipment including platform controls, aircraft components, life and ground support systems. Lines include protective breathing equipment, crew oxygen delivery systems and medevac liquid oxygen life support systems.

Tim Bannister
Vice President of Sales & Business Development
(314) 832-4500
tbannister@essexind.com
7700 Gravois Road
St. Louis, MO 63123

Robert Geisz Vice President of Sales & Business Development (314) 832-4500 rgeisz@essexind.com 7700 Gravois Road St. Louis, MO 63123

Esterline CMC Electronics

http://www.cmcelectronics.us



CMC Electronics

Integrated Cockpit Technologies and Avionics Solutions; Nav/Comm Control, FMS, Portable Mission Planning/ Tactical Datalink Display, EVS, GPS Receivers, SATCOM and HFE.

Chuck Praeger Senior Marketing Manager (630) 466-4343 charles.praeger@cmcelectronics.us 84 North Dugan Road Sugar Grove, IL 60554

Tommy Doris (256) 773-8173 Huntsville, AL 35801 Fastening Systems International, Inc. http://www.fsirivet.com



FSI is a leading manufacture of blind rivet tool kits and sheet metal mechanics tool kits featuring hand hydraulic, air-hydraulic and cordless operated riveters. We carry Cherry, Huck and sheet metal tools.

Mark Herand Vice President Sales & Marketing (707) 477-4430 mherand@fsirivet.com 1206 E. MacArthur Street Sonoma, CA 95476

Chris Rodgers Military Sales (405) 317-4569 crodgers@fsirivet.com 1206 E. MacArthur Street Sonoma, CA 95476

FLIR Systems http://www.flir.com



FLIR Systems imaging and detection systems are used for a variety applications, including airborne and ground-based surveillance, search and rescue, drug interdiction, border and maritime patrol, environmental monitoring, and CBRNE.

Gary Bass
Director, Army Aviation Business Development
(256) 325-3547
garry.bass@flir.com
215 Wynn Drive, Suite 401
Huntsville, AL 35805

Scott Crizer Director, Army Business Development scott.crizer@flir.com 2800 Crystal Drive, Suite 330 Arlington, VA 22202

GE Aviation

http://www.geaviation.com



GE Aviation is the world's leading producer of large and small jet engines for commercial and military aircraft.



Edwin Birtwell VP & General Manager, Turboshaft Engines (781) 594-2870 edwin.birtwell@ge.com 1000 Western Avenue Lynn, MA 01910 Gregory Gass
Goverment Programs Executive
(202) 637-4248
gregory.gass@ge.com
1299 Pennsylvania Ave, Nw - # 900
Washington, DC 20004-2407

General Atomics Aeronautical Systems, Inc. http://www.ga-asi.com



Leading manufacturer of Remotely Piloted Aircraft (RPA), tactical reconnaissance radars, and electro-optic surveillance systems, including Predator/Gray Eagle-series aircraft and the Lynx Milto-mode Radar.



Don Cattell
Director, U.S. Army Programs,
ASG
(858) 312-2810
don.cattell@uav.com
14200 Kirkham Way
Poway, CA 92064



Darryl Stanley Program Manager, Radar Systems, RSG (858) 762-6700 darryl.stanley@ga-asi.com 16761 Via Del Campo Ct San Diego, CA 92127

General Dynamics C4 Systems http://www.gdc4s.com

GENERAL DYNAMICS

C4 Systems

General Dynamics C4 Systems is a trusted provider of C4ISR and advanced network solutions for military and government users. The company's battle-proven ground station integration, air traffic control capabilities and performance based logistics have become the gold standard enhanced situational awareness and command and control for Army Aviation. More information can be foubnd at www.gdc4s.com.

Eric Nelson Business Development (256) 890-8740 eric.m.nelson@gdc4s.com 6000 Technology Drive, Bldg 6 Huntsville, AL 35805

Jim Orahood Business Area Manager (256) 890-2141 jim.orahood@gdc4s.com 6000 Technology Drive, Bldg 6 Huntsville, AL 35805

ARWYAVIATION

Gichner Systems Group http://www.gichnersystemsgroup.com



Gichner is the industry leader in the design, engineering, manufacturing, integration, modification, repair, and reset of tactical shelters and modular containers, including aviation shop sets and mobile aviation tool rooms.

Gichner Systems Group (877) 520-1773 info@gichnerss.com 490 E Locust St Dallastown, PA 17313

Harris Corporation http://www.harris.com



Proud supplier of Army Aviation with JTRS-compliant airborne and terrestrial radios using today's and tomorrow's waveforms, FliteScene Digital Moving Map, and other critical avionics and network solutions meeting Warfighters' needs.



Denny Lewis Senior Executive Account Manager (703) 663-4872 dlewis22@harris.com 6225 Brandon Avenue, Suite 320 Springfield, VA 22150



Mike Barefield Senior Account Manager (256) 690-5672 mbarefie@harris.com 6767 Old Madison Pike NW, Suite 95 Huntsville, AL 35806

Hawker Beechcraft Corporation http://www.hawkerbeechcraft.com



Hawker Beechcraft Corporation is a world-leading manufacturer of business, special-mission, light attack and trainer aircraft - designing, marketing, and supporting aviation products and services for businesses, governments and individuals worldwide.

Daniel Keady Senior Vice President (316) 676-6514 dan_keady@hawkerbeechcraft.com 10511 E. Central Ave Wichita, KS 67206

Lyn Roberts
Sales Director Special Missions
(316) 461-0615
lyn_roberts@hawkerbeechcraft.com
10511 E. Central Ave
Wichita, KS 67206

IAI North America http://www.iai.co.il



Israel Aerospace Industries, Ltd. (IAI) is Israel's largest aerospace and defense manufacturer. IAI provides unique and cost-effective defense and commercial solutions in space, air, land, sea and homeland defense.

Lisa Gordon
Director, Marketing Communications
(703) 875-3722
Igordon@iaidc.com
1700 North Moore Street, Suite 1210
Arlington, VA 22209

Inter-Coastal Electronics Inc.

www.inter-coastal.net

ICE designs and manufactures live training, telemetry and test instrumentation systems for Full Spectrum Operations at individual, crew and collective levels providing AAR at CTCs and Homestations.



Winn Noyes VP, Business Development (480) 981-6898 wnoyes@inter-coastal.net 5750 E McKellips Rd, Bldg 100 Mesa, AZ 85215



Mark McKearn Vice President, Programs (480) 981-6898 mmckearn@inter-coastal.net 5750 E. McKellips, Bldg 100 Mesa, AZ 85215-2740

Interface Displays & Controls, Inc. http://www.interfacedisplays.com



IDC is an ISO9100/AS9100C certified, veteranowned small business specializing in the design, engineering, manufacture and ruddedization of displays, controls and exterior lighting for avionic platforms.

Linda Gerken Executive Assistant (760) 945-0230 Igerken@interfacedisplays.com 4630 North Avenue Oceanside, CA 92056

Intevac Photonics, Inc.

http://www.intevac.com/intevacphtotonics



INTEVAC

Intevac's line of Digital Night Vision Goggles and cameras provide leading edge technology to the warfighter.

Mike Mohawk Director Business Development (408) 987-2573 mmohawk@intevac.com 3560 Bassett St, Santa Clara, CA 95136

ITT Exelis

http://www.exelisinc.com

IT EXELIS

ITT Exelis is a top-tier global aerospace, defense and information solutions company with a 50-year legacy of innovation in communications, sensing and surveillance, electronic warfare, navigation, air traffic solutions and information systems.

John Dench Communications Manager (973) 284-4543 john.dench@exelisinc.com 77 River Road Clifton, NJ 07014

Chris Carlson Business Development Director (973) 284-3319 chris.carlson@exelisinc.com 77 River Road Clifton, NJ 07014

Kilgore Flares Company, LLC http://www.kilgoreflares.com



Kilgore is a world leader in the development and manufacture of airborne IR countermeasures as well as naval countermeasures and other pyrotechnic items.

Kenneth Tuten Marketing Director (731) 658-5231 ktuten@kilgoreflares.com 155 Kilgore Rd Toone, TN 38381

KRATOS Defense

http://www.kratosdefense.com



Kratos Defense provides Total Training Solutions including full and part-task, operational and maintenance training systems, full-spectrum Instructional Design and Performance Based Training Solutions in all media platforms.



Clem Greek
Dir. ff Army Aviation and
Unmanned Aircraft Systems
Training
(256) 864-7240 (1240)
clem.greek@kratosdefense.com
4904 Research Dr
Huntsville, AL 35805-1962

ARIVIYAVIATION

L-3 WESCAM

http://www.wescam.com



L-3 WESCAM's MX-Series of EO/IR/Laser surveillance and targeting systems offer: 1080p HD resolution, 4-axis stabilization, long range designation, Precise Target Location Accuracy and a 10 sensor payload capacity.



John Vandenberg
Director of Army & Special
Programs
(727) 421-6053
John.vandenberg@l-3com.com
4801 E. McKellips, Suite 104
Mesa. AZ 85207



Chuck Bledsoe
Director of Army Rotarywing
Programs
(256) 425-7521
charles.bledsoe@l-3com.com
52 Apple Lane
Flintville, TN 37335



Walt Riley
Director of FMS & Utility & Lift
Programs
(707) 484-1079
Walter.riley@l-3com.com
121 Scenic Drive
Madison. AL 35758

Lockheed Martin Missiles and Fire Control http://www.lockheedmartin.com



A global security company engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services.



David T. Belvin Director Apache Fire Control (407) 356-8810 david.belvin@Imco.com 5600 Sand Lake Rd (MP-416) Orlando, FL 32819-8907



Gregory D. Walker BD Manager, Fire Control (407) 356-4495 Gregory.walker@lmco.com 5600 Sand Lake Road (MP-416) Orlando. FL 32819-8907 **Lockheed Martin Washington Operations** http://lockheedmartin.com/us.html



Lockheed Martin is a global security and aerospace company and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services.



Daniel Curry
Director, Army Aviation and Army
Sustainment
(703) 413-5769
daniel.r.curry@lmco.com
2121 Crystal Drive
Arlington, VA 22202

LORD Corporation http://www.lord.com



Founded in 1924 and headquartered in N.C., LORD Corporation is a privately-held company that designs and manufactures mechanical devices and electromechanical systems to control vibration, motion and noise.

Steve Meyer Director of Aerospace & Defense (919) 468-5979 steve_meyer@lord.com 111 Lord Drive Cary, NC 27511

Masley Enterprises Inc. http://www.militarygloves.com

MĀSLEY Technical Handwear

Masley Enterprises Inc. designs and manufactures technical handwear for end users



Frank Masley CEO (302) 427-9885 fmasley@militarygloves.com 41 Germay Dr. Wilmington, DE 19804



Darren Beckett
Marketing and Sales
(757) 641-6535
darren.beckett@
militarygloves.com
156 Linbrook Dr.
Newport News, VA 23602

Meggitt Defense Systems, Inc. http://www.meggittdefense.com

MEGGITT

Design, develop, and produce doppler radar based weapon scoring systems, ammunition handling systems, and environmental control systems

Derek Foster Director, Army Systems (949) 465-7700 derek.foster@meggitt.com 9801 Muirlands Blvd Irvine, CA 92618

Charles Panasewicz
Vice President Business Development
(949) 465-7700
charles.panasewicz@meggitt.com
9801 Muirlands Blvd.
Irvine, CA 92618

Mustang Survival, Inc. http://www.mustangsurvival.com



Dedicated to developing superior integrated safety and survival solutions for military personnel facing hazards on sea, air and land, Mustang Survival has earned a global reputation for developing products and technologies that exceed the most demanding customer requirements.

David Hoover Business Development Manager (410) 263-6731 dhoover@mustangsurvival.com 303 F Second St Annapolis, MD 21403

NP Aerospace http://www.npaus.com



Located in Sterling Heights, Michigan, USA, NP Aerospace Inc. is a world leader in the research, design, development and manufacture of lightweight armor and protection systems for personnel, vehicles and aircraft.



Don Bray Business Director (419) 619-1872 don.bray@npaerospace.com 7205 Sterling Ponds Ct. Sterling Heights, MI 48312

ARWYAVIATION

Pall Aeropower Corporation

http://www.pall.com/aerospace



Pall Corporation

Pall Aerospace provides fluid filtration solutions for military and commercial aircraft, ground vehicles, and shipboard platforms, ensuring reliable equipment performance for fuel, hydraulic, transmission, engine lubricants, water, and air applications.

Paul Murphy
Manager New Business Development
(727) 844-2220
paul_murphy@pall.com
10540 Ridge Road
New Port Richey, FL 34654

Piasecki Aircraft Corporation http://www.piasecki.com



VTOL Aircraft, Compound Helicopter Technology, and UAV Research, Development, and Production.



Frederick W. Piasecki Chairman of the Board & Chief Technology Officer (610) 521-5700 (107) piasecki_fw@piasecki.com 519 West Second Street P.O. Box 360 Essinoton. PA 19029-0360



John W. Piasecki President & CEO (610) 521-5700 (103) piasecki_jw@piasecki.com 519 West Second Street P.O. Box 360 Essington, PA 19029

Polaris Defense http://www.polarisdefense.com



Polaris Defense is a division of Polaris Industries, Inc., the World's Leading Manufacturer of Off-Road Vehicles, specializing in military vehicles for U.S. and allied forces.

Business Development Manager (763) 442-6262 jill.theiss@polaris.com 2100 Hwy 55 Medina, MN 55340

QRP, Incorporated, a PEM Company http://www.qrp-inc.com



Specializing in Quick Release Fastening Devices to the Highest Standards in the Defense Industry. Full Design Engineering Capabilities to fit the right application or build to print for established designs.

Michael D. Kievit VP Sales/Marketing (910) 371-0700 (113) mkievit@qrp-inc.com 2307 Mercantile Dr NE Leland, NC 28451

Christine "Chrissy" Allred Defense Sales Specialist (910) 371-0700 (128) callred@qrp-inc.com 2307 Mercantile Dr NE Leland, NC 28451

Radiance Technologies http://www.radiancetech.com



Radiance Technologies develops the Apache Ground Fire Acquisition System (GFAS) and other combat proven gunshot detection technology for cueing imagers, weapon systems, and countermeasures to the source of enemy fire.



Jeff Johnson
Director of Operations, Aviation
Systems
(256) 508-9909
jeff.johnson@radiancetech.com
350 Wynn Drive
Huntsville, AL 35805

Raytheon http://www.raytheon.com

Raytheon

Raytheon provides state-of-the-art electronics, mission systems integration and other capabilities in the areas of sensing; effects; and command, control, communications and intelligence systems, as well as a broad range of mission support services.



Michael N. Riley Fort Rucker Field Office Manager (334) 598-5562 michael_1_riley@raytheon.com 806 Donnell Blvd, Ste 1 Daleville, AL 36322



William (Bill) C. Weaver Senior Manager, USBD (256) 542-5113 william_c_weaver@raytheon.com 401 Jan Davis Drive, STE 1200 Huntsville, AL 35806

RedViking

http://www.redviking.com



RedViking's Test Systems, Gearbox Design, Software/Controls Design and Program Management teams will design and build the solutions to your most difficult challenges. RedViking engineers are known for solving the "impossible".

Greg Cameron VP Sales (734) 927-1460 gcameron@redvikingeng.com 46247 Five Mile Rd, Plymouth, MI 48170

Robertson Fuel Systems, L.L.C. http://www.robbietanks.com

ROBERTSON

For over 35 years Robertson has been the world leader in the design, development, production of crashworthy, ballistically tolerant, self-sealing fuel systems. Extending the Reach of Freedom in aircraft and Driving Enhanced Survivability in ground vehicles.



Tom Harrison CEO (480) 337-7050 tom.harrison@robbietanks.com 800 W. Carver Rd., Suite 101 Tempe, AZ 85284



Chip Lunn
Director of Aviation Programs
(480) 337-8801
chip.lunn@robbietanks.com
800 W. Carver Rd., Suite 101
Tempe, AZ 85284

Rolls-Royce http://www.rolls-royce.com



Rolls-Royce is a world-leading provider of power systems and services for use on land, at sea and in the air, and has established a strong position in global markets - civil aerospace, defense aerospace, marine and energy.

Bryan Mitchell Marketing Manager (317) 459-4183 bryan.mitchell@rolls-royce.com 450 S Meridian Indianapolis, IN 46225

SCI Technology, Inc. http://www.sci.com



SCI is a leader in the design, development, and production of communications and avionics systems. With more than 50 years of experience in defense, aerospace and contract manufacturing, SCI offers cutting-edge and comprehensive end-toend solutions.

Aaron Brosnan Vice President, Business Development (256) 882-4033 aaron.brosnan@sci.com 13000 South Memorial Parkway Huntsville, AL 35803

Robert Kloote Vice President, Program Management (256) 882-4532 Robert.kloote@sci.com 13000 South Memorial Parkway Huntsville, Alabama 35803

SCOTTY America http://www.scottygroup.com



Sales of SCOTTY integrated aero BLoS video, data, and voice satellite communication solutions for surveillance aircraft. Manned and unmanned aircraft. Industry's only through-the-blades satcom video solution for rotorcraft.

Gary Sharpe Government Sales Mgr (770) 825-0574 g.sharpe@scottygroup.com 830 Hiram Davis Rd., Suite B Lawrenceville, GA 30045

Secure Communication Systems Inc. http://www.securecomm.com



Secure Communication Systems Inc. designs and manufactures rugged tactical mission computing solutions for all branches of the military, including thousands of EDM tablet PCs for US Army helicopters.

Mike Boice VP Sales & Marketing (714) 918-8922 mboice@securecomm.com 1740 E. Wilshire Ave. Santa Ana, CA 92705

SELEX Galileo Inc.

http://www.selexgalileo.com

SELEX Galileo Inc. provides technological expertise in: Avionics solutions, Electro Optical and Electronic Warfare systems. Airborne Radar, Military Lasers, Simulators, Unmanned Aerial Systems, and ISR solutions.

Richard Williams Director, Situational Awareness & Rotary Wing Systems (256) 705-0941 richard.williams@selexgalileoinc.com 5025 Bradford Drive NW Huntsville, AL 35805

Sierra Nevada Corporation http://www.sncorp.com



Sierra Nevada Corporation (SNC) is a world-class prime systems integrator and electronic systems provider known for its rapid, innovative, and agile technology solutions



Jennifer Jensen Vice President of Business Dev., CNS/ATM (256) 684-3497 jennifer.jensen@sncorp.com 1525 Perimeter Parkway, Suite 270 Huntsville, AL 35806

Patrick Garman Vice President of Programs, CNS/ATM (775) 331-0222 pat.garman@sncorp.com 444 Salomon Circle Sparks, NV 89434

Sikorsky

http://www.sikorsky.com



Sikorsky Aircraft Corporation is a world leader in the design, manufacture and service of military and commercial helicopters; fixedwing reconnaissance aircraft; spare parts and maintenance, repair and overhaul services; and civil helicopter operations.

J. Scott Schisser Director, Army Programs - GBD (703) 558-8266 james.schisser@sikorsky.com 1101 Wilson Blvd Suite 900 Arlington, VA 22209

SKEDCO. Inc. http://www.skedco.com



Skedco produces Sked litter, PJ Sked and Tactical Sked for the Military. All are hoistable by helicopter. PJ and Tactical Skeds are smaller for ease of carrying/storage. Made in USA.

Bud Calkin VP/GM Military Liaison (503) 691-7909 bud@skedco.com PO BOX 3390 Tualatin, OR 97062

Spectrum Technologies USA Inc.

http://www.spectrumtech.com



GSA contractor and number one supplier of specialised laser wire marking, stripping and processing solutions to the global aerospace industry for over 20 years.

Jonathan Golding General Manager (817) 232-2373 jgolding@spectrumtech.com Fossil Creek Tech Center, 3934 Sandshell Drive Fort Worth, TX 76137

SPX Precision Components

http://www.spxprecision.com



PRECISION COMPONENTS

Supplier of Critical Safety Items for Apache, Black Hawk and Chinook rotorheads; structural components and assemblies for military and commercial aircraft.



Ron Felix President (860) 666-2471 300 Fenn Road Newington, CT 06111



Trevor Hartman Director, Sales and Marketing (860) 594-4388 trevor.hartman@spx.com 300 Fenn Road Newington, CT 06111

Star Aviation, Inc. http://www.staraviationky.com



Advanced Technology for Reliability, Performance, and Product Improvements, Repetitive Cost Reductions. Wire Harness Manufacture, Overhaul, Engineering Analysis, Design, Diagnostics, Maintenance. Battery/Charger Analysis, Reconditioning, Repair.

Greig Dean Chief Operations Officer (502) 241-3072 greigdean@staraviationky.com 7311 West Highway 329, Suite 812 Crestwood, KY 40014

George Kasey Director Customer Service (502) 241-3072 gkasey@staraviationky.com 7311 West Highway 329, Suite 812 Crestwood, KY 40014

SuperiorControls

http://superiorcontrols.net

SuperiorControls is a USA designed and built manufacturing integrator: Turn-key design and build, process redesign, factory information systems, inductive power transfer (IPT) conveyance, dimensional gauging, controls, inspection and test systems.

Brooke Elliott Director of Marketing (734) 454-0500 belliott@superiorcontrols.net 46247 Five Mile Road Plymouth, MI 48170

Symetrics Industries

http://www.symetrics.com



Symetrics Industries, a subsidiary of Extant Components Group, manufactures and supplies completed electronic assemblies including Electronic Warfare and Communications Systems.

Jesse Salvatore Vice President of Communication (321) 254-1500 jsalvatore@symetrics.com 1615 West NASA Blvd Melbourne, FL 32901

TELEGENIX

http://www.telegenix.com

TELEGENI

Manufactures voice communications switching systems (VCSS).



John D. Peebles VP, Business Development (334) 794-6710 jdpeebles@telegenix.com 207 Candace Court Dothan, AL 36301

Telephonics Corporation http://www.telephonics.com

Telephonics is a world leader in aircraft intercommunication systems, wireless Communication systems, airborne multi-mode radar, identification friend or foe products, integrated security systems, air traffic management systems, aerospace electronics, and the performance of threat and radar system analyses.

Mel French Vice President International Strategy & Development (631) 755-7185 french@telephonics.com 815 Broad Hollow Road Farmingdale, NY 11735

Teletronics Technology Corporation http://www.ttcdas.com



Teletronics Technology Corporation(TTC) is a global leader in providing the US Army with innovative and proven solutions for Airborne and Ground based Avionics, Telemetry, Video, RF, and Network Systems.

Farhad Daghigh Vice President, Business Development (267) 352-2020 (298) fdaghigh@ttcdas.com 15 Terry Drive Newtown, PA 18940

http://www.thalesgroup.com/usa

THALES

Thales is a global technology leader for defense, security and aerospace markets, with unique capability to design and deploy equipment, systems and services to meet complex security requirements.

Bruce Georgia Vice President, Airborne Programs - Rotary Wing (256) 513-8031 bruce.georgia@thalesusa-ds.com 225 West Park Loop Suite B Huntsville, AL 35806

The Protective Group http://protectivegroup.com



The Protective Group (TPG) has a 45-year history of developing lightweight composite armor solutions and is an industry leader in developing survivability solutions for aviation platforms.

Thomas Solich Vice President, Aviation Programs (256) 724-3000 tsolich@protectivegroup.com 9238 Madison Blvd., Suite 120 Madison, AL 35758

TDI

http://www.tuliplabs.com



TDL is a U.S. manufacturer of MIL Rugged LCD displays, keypads and keyboards for airborne, shipboard and ground mobile systems.

Al Reger VP Sales and Marketing (303) 941-3873 areger@tuliplabs.com 300 Commerce Blvd Quakertown, PA 18951

Universal Avionics Systems Corporation http://www.uasc.com



Universal Avionics manufactures/markets an extensive line of advanced avionics equipment for military and DEM aircraft and rotorcraft. Universal's Multi-Mission Management System is unmatched for special mission operations.

Scott Campbell Director-Airline/Military Sales (520) 295-2300 scampbell@uasc.com 3260 E. Universal Way Tucson, AZ 85756

UTC Aerospace Systems

www.utcaerospacesystems.com



UTC Aerospace Systems is one of the world's largest suppliers of technologically advanced aerospace and defense products.



Bob Kenneally Director, Army Programs bob.kenneally@utas.utc.com C: (703) 558-8238 1100 Wilson Boulevard, Suite 900 Arlington VA 22209-2297



Ed McKee Director, Redstone Arsenal Programs edward.mckee@utas.utc.com C: (256) 217-2927 Building 2, Suite 117 5030 Bradford Dr Huntsville AL 35805-1923



Leroy Butler Manager, Washington Region Business Development leroy.butler@utas.utc.com C: (202) 336-7407 1101 Pennsylvania Ave NW 10th Washington, DC 20004-2514

UTC Aerospace Systems Sensors & Integrated Systems



SIS provides air data sensors & systems; engine sensors/sensing suites; ice detection/ protection; mission data recorders; rate gyros & inertial sensors; rescue hoists; temperature sensors; vehicle health management systems and windshield wiper systems for military and commercial aircraft.





PJ Zeller
Program Management Director
phillip.zellerIII@utas.utc.com
C: (203) 250-3728
250 Knotter Drive
Cheshire CT 06410-1137



Johnny Wright
Value Stream Leader
Johnny.wright@utas.utc.com
C: (714) 984-1464
2727 East Imperial Highway
Brea CA 92821-6713



Bob Syring Business Manager, Integrated Vehicle Health Management Systems bob.syring@utas.utc.com C: (952) 892-4797 1901 143rd Street West

Burnsville MN 55306



Ellen Turin Manager, Business Development ellen.turin@utas.utc.com C: (714) 984-1616 2727 East Imperial Highway Brea CA 92821-6713

UTC Aerospace Systems ISR Systems



UTC Aerospace Systems

ISR Systems designs and builds high performance custom engineered electronics; optics; shortwave infrared cameras and arrays; laser warning systems for rotary and ground platforms; terahertz chemical detection systems; strategic and tactical multi-spectral reconnaissance sensors; dual-band wide area motion imagery sensors; intelligence storage and exploitation systems and electro-optical products for defense, scientific and commercial applications.



Glenn Benecke
Director, Strategic Planning &
Business
Development, Force Protection
glenn.benecke@utas.utc.com
C: (203) 797-5543
100 Wooster Heights Road

Danbury CT 06810-7589



James Siekkinen
Site Leader
james.siekkinen@utas.utc.com
C: (541) 387-2120 x301
2621 Wasco Street
Hood River OR 97031-1906



Grantt Childress
Business Development Manager
grantt.childress@utas.utc.com
C: (256) 617-8884
Building 2, Suite 117
5030 Bradford Dr
Huntsville AL 35805-1923



James Kirschner
Application Engineer
james.kirschner@utas.utc.com
C: (609) 524-0270
Building 12
3490 US Route 1
Princeton NJ 08540-5914

UTC Aerospace Systems ISR Defense Solutions



UTC Aerospace Systems

Defense Solutions is the world's leading high performance supplier of Threat Detection Systems. Our products Include Laser Warning and Hostile Fire Detection Systems for rotary winged aircraft and armored ground vehicles as well as Chemical Detection systems for military applications and Homeland Security. We design, build, certify and deliver these systems to all branches of the US Armed Services and many foreign governments through direct and FMS sales.



David Imbrogno
Director, Defense Solutions
david.imbrogno@utas.utc.com
C: (203) 797-6323
100 Wooster Heights Road
Danbury CT 06810-7589



Raymond Trent
Program Manager, Threat
Detection Systems
raymond.trent@utas.utc.com
C: (203) 797-6427
100 Wooster Heights Road
Danbury CT 06810-7589



Brian Gephart
Program Manager, Threat
Detection Systems
brian.gephart@utas.utc.com
C: (203) 797-5467
100 Wooster Heights Road
Danbury CT 06810-7589



Kevin Jackson Program Manager, Threat Detection Systems kevin.jackson@utas.utc.com C: (203) 797-6389 100 Wooster Heights Road Danbury CT 06810-7589

UTC Aerospace Systems Engine and Control Systems, N.A.



UTC Aerospace Systems

Engine Control Systems is the world's leading independent engine control systems supplier. Our products include fuel pumping and metering systems; electronic engine controls; afterburner systems; fuel-driven actuation controls and engine health monitoring systems. We design, certify and deliver engine control systems and components from small APUs to front line military helicopters and aircraft



Dale Sundstrom
Manager, Business Development
dale.sundstrom@utas.utc.com
C: (860) 654-6632
One Hamilton Road
Rockford IL 61125-7002

UTC Aerospace Systems Interiors, Specialty Seating Systems



UTC Aerospace Systems

Interiors provides systems, solutions and services to customers worldwide, including cargo systems; evacuation systems; lighting systems; propulsion systems and specialty seating systems.



Joe Cates Site Leader / Business Development Manager joe.cates@utas.utc.com Cc (817) 551-1967 1201 Forum Way Fort Worth TX 76140-5011

UTC Aerospace Systems Aerostructures



UTC Aerospace Systems

Aerostructures designs, integrates, manufactures, sells and supports aircraft systems and components for military and commercial aircraft.

John Torelli Value Stream Leader, Military Programs john.torelli@utas.utc.com C: (619) 691-2107 850 Lagoon Drive Chula Vista CA 91910-2098

UTC Aerospace Systems Engine Components



UTC Aerospace Systems

EC designs nozzles, blades/vanes for engines and couplings/shafts used in drive systems for military and commercial aircraft.



Bob Findlay Director, Business Development bob.findlay@utas.utc.com C: (315) 838-1419 104 Otis Street Rome NY 13441-4714

ARIVIYAVIATION

VT MILTOPE

http://www.miltope.com



VT Miltope manufactures and supplies rugged computers and peripheral equipment built to perform in environmentally challenging conditions. For Army Aviation, this includes mission planning and mobile maintenance support devices.

Sandy Morris
Director, Business Development, Southeast
(800) 645-8673
smorris@miltope.com
3800 Richardson Road
Hope Hull, AL 36043

Austin Mayfield Coordinator, Marketing Communications & Planning (334) 613-6507 amayfield@miltope.com 3800 Richardson Road Hope Hull, AL 36043

Maintenance & Product Overhaul

AAR Mobility Systems

http://www.aarmobilitysystems.com



World Leader in Lightweight, Rapidly Deployable Mobility Systems and Sustainment Solution, Palletized Systems, ISU Containers, Tactical Shelter Systems, Expeditionary, Command and Control, Sustainment, Maintenance, Repair, and Life Cycle Support.

Art Breithaupt
VP, Sales & Marketing
(231) 779-4847
art.breithaupt@aarcorp.com
201 Haynes Street
Cadillac, MI 49601

Michael Feil GM, Federal Services (256) 830-7001 michael.feil@aarcorp.com 140 Sparkman Drive Huntsville, AL 35805

AECOM

http://www.aecom.com



AECOM supports the U.S. Department of Defense and government agencies with program management, operations, maintenance, logistics and contingency operations.

Bill Lyles General Manager, Field Services (817) 698-6881 bill.lyles@aecom.com 1200 Summit Avenue, Suite 320 Fort Worth, TX 76102

Joseph Hayes Business Development Manager (817) 984-2544 joseph.hayes@aecom.com 1200 Summit Avenue, Suite 320 Fort Worth, TX 76102

Coastal Aircraft Parts, LLC http://www.CoastalAircraftParts.com



AIRCRAFT PARTS LLC

Coastal is the exclusive worldwide distributor of Oregon Aero seating systems, including seat cushion systems & complete seat assemblies. They are used by every branch of U.S. Miltary.

Bill Irvine President (954) 980-6929 sales@coastalaircraftparts.com 2999 NW 115th Terrace Sunrise, FL 33323

Columbia Helicopters, Inc. http://www.colheli.com



Worlds only owner, operator and maintainer of the civil CH-47 and CH-46 helicopters with complete M&O MRO capabilities operating world wide.

Allen Trivitt
Military Logistics Development Rep
(503) 678-1222
allent@colheli.com
P.O. Box 3500
Portland, OR 97208

Scott Ellis Director of Business Development (503) 678-1222 scotte@colheli.com P.O. Box 3500 Portland, OR 97208

DynCorp International http://www.dyn-intl.com



We Serve Today for a Better Tomorrow."

The people of DynCorp International support critical military and commercial aviation needs globally with end-to-end professional services and technical support. From rapid-response field assignments to long-term engagements, we provide the world's most comprehensive array of integrated solutions to ensure our customers success.



Major General (USA, Ret.) James R. Myles Group Vice President, Aviation (256) 924-3300 920 Explorer Blvd, Suite A Huntsville, AL 35806



Lieutenant Colonel (USAF Ret.) Hugo G. Posey Vice President Marketing, Aviation (256) 924-3300 920 Explorer Boulevard, Suite A Huntsville. AL 35806

Fastening Systems International, Inc. http://www.fsirivet.com



FSI is a leading manufacture of blind rivet tool kits and sheet metal mechanics tool kits featuring hand hydraulic, air-hydraulic and cordless operated riveters. We carry Cherry, Huck and sheet metal tools.

Mark Herand Vice President Sales & Marketing (707) 477-4430 mherand@fsirivet.com 1206 E. MacArthur Street Sonoma, CA 95476

Chris Rodgers Military Sales (405) 317-4569 crodgers@fsirivet.com 1206 E. MacArthur Street Sonoma, CA 95476

Hawk Enterprises, LLC http://www.hawkworld.com



Service Disabled Veteran Owned Small Business providing sustainment training, logistics analysis, support equipment design, technical publications, multimedia and production support to the Warfighter.



William G. Tripp President (256) 430-3731 wtripp@hawkworld.com 5025 Bradford Dr., Ste, 150, Huntsville, AL 35805



Norman K. Bush Director of Business (256) 430-3736 nbush@hawkworld.com 5025 Bradford Dr, Ste 150 Huntsville, AL 35805

ARWYAVIATION

HEATCON Composite Systems

http://www.heatcon.com



HEATCON provides a full range of product and training services for the repair of composite structures. HEATCON is considered the foremost supplier of repair products including hot bonders, blankets and accessories.

Troy Daman Sales & Marketing Director (206) 575-1333 (5632) tdaman@heatcon.com 600 Andover Park E Seattle, WA 98188-7610

Hupp Aerospace/Defense

http://www.HuppAerospace.com



Hupp Aerospace / Defense is a provider of Tailored Kitting Solutions to the Aerospace and Defense Industries. Our HUPP KIT products improve mission readiness, lower maintenance costs and eliminate parts shortages.

Ron S. Root President (260) 748-8282 rroot@huppaerospace.com 1690 Summit Street New Haven, IN 46774

Innovative Solutions & Support

http://www.innovative-ss.com

IS&S is a leading supplier of RVSM systems and integrator of avionic systems for Military Markets. IS&S incorporates leading edge technologies into sophisticated, cost-effective solutions for the aerospace industry.

Dave Green
Director, Military Programs
(610) 646-9800
dgreen@innovative-ss.com
720 Pennsylvania Drive
Exton, PA 19341

L-3 Army Fleet Support

http://www.armyfleetsupport.com



AFS delivers world-class aviation maintenance and logistics support to the Army and Air Force institutional training at Fort Rucker, Alabama.

Lowell A. Green Vice President and General Manager (334) 598-0400 P.O. Box 620309 Fort Rucker, AL 36362

L-3 Communications Corporation http://L-3com.com



L-3 Communication Corporation is a leading supplier of a broad range of products and services used in a substantial number of aerospace and defense platforms.

LTG(Ret.) John "Mark" Curran Corporate VP, Army Programs & Huntsville Operations (256) 704-9680 mark.curran@l-3com.com 300 Voyager Way Huntsville, AL 35806

Mr. Gary Nenninger Vice President, Army Aviation (256) 704-9683 gary.nenninger@l-3com.com 300 Voyager Way Huntsville, AL 35806

Link Tools International (USA) Inc. http://www.linktools.com



Mechanics hand tools that automatically lock from hand to work with a user - friendly, quick-release to eliminate accidental disconnects, reduce task-time, injuries and equipment damage and increase productivity.

Tim Bregenzer Link Tools Sales (641) 472-3415 tbregenzer@linktools.com 2440 Lakeview Dr. Chicago, IL 60614

LORD Corporation

http://www.lord.com



Founded in 1924 and headquartered in N.C., LORD Corporation is a privately-held company that designs and manufactures mechanical devices and electromechanical systems to control vibration, motion and noise.

Steve Meyer
Director of Aerospace & Defense
(919) 468-5979
steve_meyer@lord.com
111 Lord Drive
Cary, NC 27511

M1 Support Services

http://www.m1services.com



Specializing in aircraft and equipment maintenance, modifications, flight operations, engineering, training, logistics and information technology. AS9110 certified. Worldwide operations. Responsive. Flexible. Mission First!

William Shelt
President
(940) 323-1119
william.shelt@m1services.com
300 N Elm St Suite 101
Denton. TX 76201

Kathy Hildreth
Managing Director
(940) 323-1119
kathy.hildreth@m1services.com
300 N. Elm Street, Suite 101
Denton, TX 76201

Qinetiq North America

http://www.QinetiQ-NA.com

QinetiQ North America is a global company focused on defense and security. We develop, field, and support our customer's missions by delivering cost-effective products, services and solutions.



Joseph M. Parsley
Vice President Strategy and
Business Development
(256) 922-6759
joseph.parsley@qinetiq-na.com
890 Explorer Boulevard NW
Huntsville, AL 35806

S3 http://s3inc.com



Supporting Missile, Space and Warfighter Programs for more than 20 years.

Mike Moody Sr. VP Training Services (256) 539-1700 (144) mike.moody@s3inc.com 615 Discovery Drive Huntsville, AL 35806

Bob Johnson Sr. VP, SETA Srevices (256) 539-1700 (230) bob.johnson@s3inc.com 615 Discovery Drive Huntsville, AL 35806

John Pack VP, Business Development (254) 634-7600 john.pack@s3inc.com 1711 E. Central Texas Expressway One Killeen Ctr., Suite 105 Killeen, TX 76541

Science and Engineering Services LLC. http://www.sesius.com



SES is a broad capability based small business, with an innovative full-spectrum approach that is flexible and responsive, quickly delivering solutions and high-quality products.



E.J. Sinclair CEO (256) 258-0500 e.j.sinclair@ses-i.com P.O. Box 6787 Huntsville, AL 35813



Rich Enderle Vice President Business Development (256) 258-3970 rich.enderle@ses-i.com P.O. Box 6787 Huntsville, AL 35813

Star Aviation, Inc. http://www.staraviationky.com



Advanced Technology for Reliability, Performance, and Product Improvements, Repetitive Cost Reductions. Wire Harness Manufacture, Overhaul, Engineering Analysis, Design, Diagnostics, Maintenance. Battery/Charger Analysis, Reconditioning, Repair.

Greig Dean Chief Operations Officer (502) 241-3072 greigdean@staraviationky.com 7311 West Highway 329, Suite 812 Crestwood, KY 40014

George Kasey **Director Customer Service** (502) 241-3072 gkasey@staraviationky.com 7311 West Highway 329, Suite 812 Crestwood, KY 40014

SuperiorControls

http://superiorcontrols.net

SuperiorControls is a USA designed and built manufacturing integrator: Turn-key design and build, process redesign, factory information systems, inductive power transfer (IPT) conveyance, dimensional gauging, controls, inspection and test systems.

Brooke Elliott Director of Marketing (734) 454-0500 belliott@superiorcontrols.net 46247 Five Mile Road Plymouth, MI 48170

Vector Aerospace

http://www.vectoraerospace.com



Vector Aerospace is a world-class helicopter overhaul facility for components, power plants, structures and avionics for Eurocopter, Sikorsky and Bell (military) aircraft. Powerplants include RR250, PT6T, Arriel 1/2, GE CT/T58/T700.

David George Director, U.S. Military Government Programs (256) 217-1620 david.george@vectoraerospace.com 150 West Park Loop NW Suite 106 Huntsville, AL 35806

Vector-Hawk Aerospace, LLC http://www.vector-hawk.aero



Vector-Hawk Aerospace brings together a powerful mix of capabilities and experience to serve as a single-source provider of comprehensive PT6 engine performance solutions.

Michael R. Nowicki President (334) 598-0020 mnowicki@vector-hawk.aero 807 Donnell Blvd, Suite B, Daleville, AL 36322

Yulista

http://www.yulista.com



Yulista is focused on rapid prototyping of new technologies that extend life or significantly improve current military weapons systems. Our Strength is our people, and the diversity of our skills.

Joe Webb **Business Development Director** (256) 319-1682 Joe.webb@yms-hsv.com PO BOX 5207, Huntsville, AL 35806

Lori Campbell **Business Development Manager** (256) 425-4035 lori.campbell@yms-hsv.com PO BOX 5207. Huntsville, AL 35806

Consulting/Special Services

AECOM

http://www.aecom.com



AECOM supports the U.S. Department of Defense and government agencies with program management, operations, maintenance, logistics and contingency operations.

Bill Lyles General Manager, Field Services (817) 698-6881 bill.lyles@aecom.com 1200 Summit Avenue, Suite 320 Fort Worth, TX 76102

Joseph Hayes Business Development Manager (817) 984-2544 joseph.hayes@aecom.com 1200 Summit Avenue, Suite 320 Fort Worth, TX 76102

Aero Dynamix, Inc. http://www.aerodynamix.com



Aero Dynamix Inc. is the industry leader and principle innovator of integrated NVG lighting solutions for commercial and military aircraft. Offerings include NVG avionics modifications, ELPs, instrument overlays, and avionics distributor.

Mike Guinn Director of Sales and Marketing (817) 571-0729 mguinn@aerodynamix.com 3227 W Euless Blvd. Euless, TX 76040

Altair Engineering http://www.altair.com



Altair is a leader in developing simulation-driven

designs for leading aerospace, defense, and land vehicle customers. Our world-class optimization methods and strong technical expertise provide designs that are lower weight, higher quality, and have better performance vs. traditional designs.

Robert Yancey Senior Director (425) 481-7476 yancey@altair.com 3303 Monte Villa Parkway #320 Bothell, WA 98021

ARMYAVIATION

Avion Solutions, Inc. http://www.avionsolutions.com



Avion is an Employee-Owned small business specializing in engineering, logistics, software development, T&E, Operations & Maintenance, & Automated Asset Tracking Management Services.

Steve Cope Director of Business Development (256) 327-7176 steve.cope@avioninc.com 4905 Research Dr. NW Huntsville, AL 35805

Evan Wagner
Director of Operations
(256) 721-7006
evan.wagner@avioninc.com
4905 Research Drive, NW
Huntsville, AL 35805

Bonham Technologies, Inc. http://www.bti-hsv.com



Bonham Technologies, Incorporated is a diversified, Service Disabled Veteran Owned Small Business focused on providing the highest quality technical, programmatic and logistical support services and committed to excellence and integrity.



Mr. Louis A. Bonham CEO (256) 864-2340 bonham@bti-hsv.com 620 Discovery Dr., Bldg Two, Suite 325 Huntsville, AL 35806



MG(Ret.) Virgil L. Packett II President (256) 864-2340 packett@bti-hsv.com 620 Discovery Dr., Bldg Two, Suite 325 Huntsville, AL 35806

Eagle 6 Technical Services, LLC





SDVOSB specializing in aviation technical and training services for US government, commercial and FMS cases.



John Burns President (407) 730-0331 johnburns@eagle6usa.com 2923 Ridley Ave Orlando, FL 32814-6772 Florida Turbine Technologies Inc. http://www.fttinc.com



FTT – More than 200 turbomachinery experts providing innovative and advanced solutions in gas turbines, turbopumps, and propulsion systems and components for military and commercial aircraft and space propulsion.

Dr. Susan Cunningham Director, Business Development (561) 427-6331 scunningham@fttinc.com 1701 Military Trl Ste 110, Jupiter, FL 33458

H.W. Farren Co. Aircraft Transportation http://www.hwfarreninc.com



H.W. Farren Co. Aircraft Transportation provides specialized Transportation Services of Helicopters, Aircraft, Airframes, Aircraft Engines, Structures. We have specialized trailers and equipment to transport helicopters up to and including MH-47 Chinook.



Glenn Wargo Director, Safety/Security/Special Projects (973) 725-2906 g.wargo@hwfarreninc.com 1578 Sussex Turnpike, Randolph, NJ 07869

Philip Antonucci President (973) 927-2777 pant@hwfarreninc.com 1578 Sussex Turnpike Randolph, NJ 07869

ID Integration, Inc. http://www.id-integration.com



IUID and RFID Systems Integrator with over 20 years of experience integrating direct part marking, labeling and RFID systems in manufacturing and depot/overhaul facilities. Low cost RTLS on Mesh Network.

Gary Moe President (425) 438-2533 gmoe@id-integration.com 13024 Beverly Park Road, #104 Mukilteo. WA 98275

Intuitive Research and Technology Corporation

http://www.irtc-hg.com

INTUITIVE®, an aerospace engineering and analysis firm supplies a wide range of services including programmatic support, systems engineering, product development, production systems support, rapid prototyping, and technology management solutions.



Harold Brewer
President/CEO
(256) 922-9300
harold.brewer@irtc-hq.com
5030 Bradford Drive, Building 2,
Suite 205
Huntsville, AL 35805

Tonya Maurice
Director of Corporate Relations
(256) 922-9300
tonya.maurice@irtc-hq.com
5030 Bradford Drive, Building 2, Suite 205
Huntsville, AL 35805

ISR Group

http://www.isrgroup.com



Mission Essential Services

As an integrated UAS services organization, ISR Group is the unmanned industry leader in providing multi-platform FSR personnel, flight training, logistics and depot support, technical services, and range facilities.

Jim Tully
Vice President, Business Development
(731) 926-4188
NBD@isrgroup.com
670 Industrial Rd
Savannah, TN 38372

Million Air - Freeman Holdings Group http://www.millionair.com

Group of nation-wide fixed base operators (FBO's) with DOD contract fuel; long runways; top-of-the-line; elegant facilites; outrageous customer service; premium crew cars and the best food and menus in town.



Charlie Elliott General Manager (800) 285-8695 celliott@millionair.com 1303 Billy Mitchell Blvd Alexandria, LA 71303



Bobby Moore General Manager (888) 744-8468 bmoore@millionair.com 4500 Chennault Parkway Lake Charles, LA 70615





Larry Godden General Manager (877) 762-0222 Igodden@millionair.com 7810 Andres St., N.E., Suite 134 Moses Lake, WA 98837



Sam D'Urso General Manager (800) 400-1509 durso@millionair.com 592 Hangar Road, Suite 107C Rome, NY 13441



David Turner General Manager (228) 463-2389 dturner@millionair.com 7250 Stennis Airport Drive Kiln, MS 39556



Walt Frederick General Manager (877) 886-7352 wfrederick@millionair.com 6700 SW Topeka Blvd, Building 610, Forbes Field Topeka, KS 66619



Steve Mohror General Manager (877) 246-6659 smohror@millionair.com 18590 Readiness Street Victorville, CA 92394



James Combs General Manager (877) 812-1175 jcombs@millionair.com 3681 South Burch Way Yuma, AZ 85365

Navigator Development Group, Inc. http://www.ndgi.com



Navigator's 15 years of experience provides superior solutions in market areas including: Defense and Aerospace, Information Technology, Advanced Visualization, Education and Training, Construction, and Operations, Maintenance and Logistics.



Albert L. Patterson II Chairman of the Board (334) 347-7612 apatterson@ndgi.com 116 S. Main St. , Suite 214 Enterprise, AL 36330



Keith E. Gay President and CEO (334) 347-7612 kgay@ndgi.com 116 S. Main Street, Suite 214 Enterprise, AL 36330

Parker Ostovich & Associates, LLC http://www.parkerostovich.com



POA is a defense consulting firm specializing in conventional Army and Special Operations aviation in both manned and unmanned systems.



Rudolph Ostovich, MG US Army (Retired)
Partner (703) 684-4421
ostovich@parkerostovich.com
1940 Duke Street, #200,
Alexandria, VA 22314



William E. Parker, COL US Army (Retired) Partner (703) 684-4421 parker@parkerostovich.com 1940 Duke Street, #200 Alexandria, VA 22314

Peduzzi Associates, LTD http://www.peduzziassociates.com



PAL's expertise in business development and consulting brings Defense and Security capabilities to Federal, State and Local Governments, First Responders and Private Industry.

Joseph Ferreira, Executive Vice President (703) 836-7990 joe.ferreira@peduzziassociates.com 221 S Alfred St, Alexandria, VA 22314

Robinson Aviation (RVA), Inc. http://www.rvaic.com



Robinson Aviation (RVA), Inc. provides contract Air Traffic Control Services; NAVAID/VISAID Engineering, Installation and Maintenance; ATC Communications/Weather Engineering. Installation and Maintenance, and Air Space Studies. ISO 9001:2008 certified.

Charlie Dove, President (703) 366-3138 charlie.dove@rvainc.com 9998 Wakeman Dr. Manassas. VA 20110

S3 http://s3inc.com



Supporting Missile, Space and Warfighter Programs for more than 20 years.

Mike Moody, Sr. VP Training Services (256) 539-1700 (144) mike.moody@s3inc.com 615 Discovery Drive Huntsville, AL 35806

Bob Johnson, Sr. VP, SETA Srevices (256) 539-1700 (230) bob.johnson@s3inc.com 615 Discovery Drive Huntsville, AL 35806

John Pack, VP, Business Development (254) 634-7600 john.pack@s3inc.com 1711 E. Central Texas Expressway One Killeen Ctr., Suite 105 Killeen, TX 76541

Safety Research Corporation of America (SRCA)

http://www.srca.net



SRCA provides technical support to various commercial and government entities in the form of information technology services, management assessment programs, customized interactive software, technical publications, and educational training services.

Anita L. Naftali Director of Business Development (334) 598-8893 anaftali@srca.net 807 Donnell Blvd., Suite Q Daleville, AL 36322

Science Applications International Corporation (SAIC)

http://www.saic.com



SAIC, a FORTUNE 500 scientific, engineering and technology applications company, uses deep domain knowledge to solve problems of vital importance to our nation and allies.



Curtis Potts
Vice President for Business
Development
(254) 681-1101
curtis.d.potts@saic.com
6723 Odyssey Drive
Huntsville, AL 35806

ARWYAVIATION



Michael Thome
Vice President for Aviation
Systems
(256) 426-9888
michael.n.thome@saic.com
6723 Odyssey Drive
Huntsville, AL 35806

VT Group http://www.vt-group.com



VT Group - Integrated Solutions, Technical Services and Unmanned Systems - a leading support services company delivering complex projects, turnkey solutions, and engineering design services to governments and organizations around the world.



Michael F. McClellan Senior Vice President (256) 464-9191 michael.mcclellan@vt-group.com 9238 Madison Blvd. Bldg 2 Ste. 110 Madison, AL 35758



George Chinea Senior Program Manager (256) 799-5910 george.chinea@vt-group.com 9238 Madison Blvd. Bldg. 2 Ste 110 Madison. AL 35758



Doug Baker VP of Business Development Technical Services (256) 799-5965 douglas.baker@vt-group.com 9238 Madison Blvd. Bldg 2. Ste. 110 Madison. AL 35758

Educational

L-3 Link Simulation & Training http://www.link.com



L-3 Link is a total training systems solutions provider that has delivered over 30 simulators to Flight School XXI and 23 suites in support of the AVCATT program.



Gary Coleman, Vice President, Army Programs (817) 619-8618 gary.s.coleman@I-3com.com 2200 Arlington Downs Road Arlington, TX 76011



Doug Eller, Director, Army Business Development (256) 922-2880 Douglas.eller@l-3com.com 654 Discovery Drive, Suite A Huntsville, AL 35806 S3 http://s3inc.com



Supporting Missile, Space and Warfighter Programs for more than 20 years.

Mike Moody, Sr. VP Training Services (256) 539-1700 (144) mike.moody@s3inc.com 615 Discovery Drive Huntsville, AL 35806

Bob Johnson, Sr. VP, SETA Srevices (256) 539-1700 (230) bob.johnson@s3inc.com 615 Discovery Drive Huntsville, AL 35806

John Pack, VP, Business Development (254) 634-7600 john.pack@s3inc.com 1711 E. Central Texas Expressway One Killeen Ctr., Suite 105 Killeen, TX 76541

Associations

USAA http://www.usaa.com



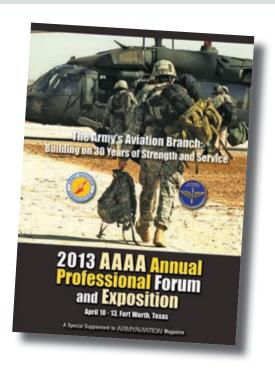
USAA is dedicated to serving those who have served honorably with a full range of financial services and quality products.

2013 AAAA Annual Professional Forum and Expostion

April 10 - 13, Fort Worth, TX

Registration Opens January 15

Visit our website: **WWW.quad-a.org** and click on the links



2012 Aircraft Survivability Professional Forum

By CW4 (Ret.) Joseph L. Pisano, Sr.

al for participation by Army Secretary, John McHugh, Army personnel and others travelled to the Von Braun Center in Huntsville, AL for the AAAA annual Aircraft Survivability Professional Forum November 5-8. This event began in 1983 and has proven to be a critical asset to our warfighters.

Year after year maintainers, research and development, acquisition, training and doctrine personnel, and



2012 ASE award winner, CW3 Joseph C. Mosher and his wife, Christine, with presenters COL James R. Macklin (left), chief of staff, Aviation and Missile Life Cycle Management Command AMCOM); and LTG (Ret.) Daniel J. Petrosky, AAAA President.



SGT Jose B. Esperacion, 2012 Avionics award winner, and his wife, Christine, with presenters COL James R. Macklin (left), AMCOM chief of staff, and LTG (Ret.) Daniel J. Petrosky, AAAA President.



Panelists (I to r) COL John M. Morgan, commander of the 1st Inf. Div. Cbt. Avn. Bde. (CAB); COL John R. Evans, commander of the 160th Spec. Ops. Avn. Regt. (Abn.); CW5 Michael S. Kelley, former 2nd CAB TACOPS officer and current Aviation Branch TACOPS Officer; and CW5 Bobby C. Sebren, former 10th CAB TACOPS officer and currently chief of the Aviation Survivability Development and Tactics Team (ASDAT) field questions during the Warfighters Panel.

our operator-Soldiers seek solutions to better protect our brothers and sisters at the tip of the spear. This year's theme, "Integrating Technology & Tactics to Protect the Warfighter," explored the diversity of those efforts.

The Aircraft Survivability Professional Forum is one of the ways the Association achieves its mission statement: "AAAA: Supporting the U.S. Army Aviation Soldier and Family."

Representative Mo Brooks (R-AL), co-chairman of the Congressional Army Aviation Caucus, provided welcoming comments making clear the significance of Army Aviation to the success of the overall Army mission and addressing the upcoming fiscal decisions that would impact the force in the coming year.

Program Executive Officer (PEO) for Aviation, MG William T. "Tim" Crosby, delivered the keynote address kicking off the event which featured speakers representing Army and joint organizations, and included sensing sessions for emerging insights in the ASE arena from recent field commanders and tactical operations officers.

Other featured speakers included MG Lynn A. Collyar, the commanding general, U.S. Army Aviation and Missile Life Cycle Management Command (AMCOM), COL John R. Leaphart, Program Manager, Aircraft Survivability Equipment, and the Aviation Branch Tactical Operations Officer, CW5 Michael S. Kelley.

The 2012 AAAA ASE and Avionics awards were presented at a banquet Tuesday evening in the Embassy Suites Hotel next to the Von Braun

Center in Huntsville.

This year the ASE award was presented to CW3 Joseph C. Mosher with 3rd Battalion, 25th Aviation Regiment, Task Force Hammerhead, Afghanistan for the ASE program he developed and maintained which resulted in safe and effective mission support throughout the Regional Command-South area of operations.

The Avionics award was presented to SGT Jose B. Esperacion, Company D, 2nd Battalion, 25th Aviation regiment, Task Force Diamond Head, Afghanistan who was recognized for his accomplishments as the night shift senior NCO of the aircraft component repair platoon which provided vital support to task force combat operations resulting in its outstanding successes during Operation Enduring Freedom.

The ASE award is sponsored by BAE Systems, and the Avionics award by Cubic Defense Systems, Inc.

Attending TACOPS officers from around the world ended their day on Wednesday at the VBC in a closed sensing session with the Branch TACOPS chief and on the following day the symposium ended with a full-day of classified sessions at the Missile and Space Intelligence Center at Redstone Arsenal, AL. In addition to the TACOPS officers from across Army Aviation, these sessions were attended by various members of the acquisition, science and technologies, and intelligence communities.

CW4 (Ret.) Joe Pisano is the editor of ARMY AVIATION Magazine.

Mission Critical Reliability

in a Voice Communication Switching System

For the very finest ATC voice communications technology - at the most affordable price possible - you can count on PROCOM series voice communications.



TELEGENIX

A Leader in Voice Communications Switching Systems since 1964

71 Indel Avenue Rancocas, NJ 08073 Toll Free: 800.424.5220 Phone: 609.265.3910

or 1800, will surely meet the communication needs

of any size ATC facility.



YOU Army Aviation Hall of Fame

By Dr. (COL) Hal Kushner, Retired

hat is your Army Aviation Hall of Fame? The purpose of this article is four fold:

- to tell you what it is,
- to describe how the members are chosen,
- to inform you how to nominate potential members, and
- to encourage you to do so.

Physically, our Hall of Fame is an actual hall, a sweeping gallery within the Army Aviation Museum at Fort Rucker, AL, housing the portraits and citations of our members, called *inductees*. If you can't make it to Ft. Rucker, you can access and view a virtual Hall of Fame on the Quad-A website at *www.quad-a.org* and then click 'inductees' under Hall of Fame.

As of this writing, there are 149 inductees in your Hall of Fame. MG (Ret.) Ben Harrison, my immediate predecessor, a 1992 inductee, was chairman of our Board of Trustees for eleven years. Ben has written a very comprehensive history of the Hall and the evolving methodology for choosing inductees, which appeared in this magazine in 2006.

If you can't find the back issue, then read the executive summary of his article, again on the website at 'overview' under Hall of Fame.

But our Hall of Fame is more than a hall and more than a group of portraits and citations of heroes. It is a living repository of the history of Army Aviation as illustrated by the contributions, the dedication and exploits of representatives of the extraordinary men and women who comprise Army



2012 Army Aviation Hall of Fame Inductee SSG James "Pappy" Coleman (in wheelchair) pauses for the Kodak moment with family and friends following the Induction Banquet, April 3, in Nashville, TN.

Aviation. They are enlisted people, warrant officers, commissioned officers, rated aviators, non-aviators, astronauts, scientists, engineers, logisticians and industrialists.

They have one thing in common: they have made an outstanding contribution to Army Aviation over an extended period of time.

There is one exception to this criterion: Medal of Honor recipients (who received the Medal as a result of an aviation action) are automatically considered for induction without regard to the usual nomination process or numerical (3 inductees per year) limits.

In 1957, Arthur and Dorothy Kesten started the Army Aviation Asso-

ciation of America, your organization, which has grown to about 20,500 members.

In 1973, COL (Ret.) Ted A. Crozier (a 1989 inductee) proposed the creation of our Army Aviation Hall of Fame, and it was funded, and created in the old museum of Ft. Rucker.

Initially, there were categories of inductees based on era of service, and the process was quite complicated with induction cycles every three years. After a number of iterations by the board over a number of years and cycles, the process has become streamlined and quite easy to understand.

There are now usually three inductees annually plus any Medal of Honor recipients, (if the Medal related to an aviation action), inducted at our yearly Forum; in 2013 it will be in Fort Worth, TX, in April.

The Nomination Process

Again, the nomination process is clearly outlined on the website: www. quad-a.org and under Hall of Fame, click 'nominations.' It will tell you that a nomination form is to be filled out which includes a 250 word sum-

AAAA AWARDS

Now Accepting Nominations for 2014 Inductees

Army Aviation Hall of Fame

Deadline for nominations is June 1, 2013. Forms are available online at www.quad-a.org

CONVERTIBLE FOR ALL CLIMATES

A Case for Rugged... As a mobile clamshell or tablet, VT Miltope's new RCLC-1 rugged convertible laptop is mission-ready in any environment. The RCLC-1 is an integral part of the Maintenance Support Device Program - Version 3 (MSD-V3) developed for the U.S. Army's Integrated Family of Test Equipment (IFTE) At-Platform Automatic Test Systems (APATS). Our family of HARD WEAR sets the standard for rugged military computing. Built rugged down to their core processors, our products improve warfighter's ability to perform maintenance missions in extreme environments and challenging tactical conditions. The VT Miltope Family... mission-ready in the hangar, in the desert, or on the move. MILTOPE.COM **RUGGED RUNS IN THE FAMILY**

40th Anniversary of the Army Aviation Hall of Fame



Dr. (COL) Hal Kushner, Ret., chairman of the Army Aviation Hall of Fame Board of Trustees listens as then Army Aviation Branch Chief, MG Anthony G. Crutchfield, addresses attendees at the 2012 Army Aviation Hall of Fame Induction Banquet, April 3, in Nashville, TN.

mary of the contributions of the individual to be nominated, and not more than 3 pages of supporting data plus a short biography, and head and shoulders photograph of the individual.

Basically, the nominator and endorsers tell us how and why this nominee has made a significant contribution to Army Aviation over an extended period of time.Brevity is the soul of wit and well-written, interesting nominations with minimal jargon and acronyms have a much better chance of honoring the nominee.

During the summer, your Hall of Fame Board of Trustees, carefully reviews every nomination and every file, (usually between 35 and 55), which are accessed through a secure website, open only to them. These trustees spend hours and hours reading and researching these files over a period of months.

They vote each candidate numerically on a scale of 1 to 10 and report their findings to the AAAA National office, where the list of nominees is tabulated on an Excel worksheet, called an Order of Merit List, or OML.

On a suspense date in August, the

Chairman convenes a meeting, either in person or by conference call, and the results are discussed and the top candidates are chosen by objective analysis of the OML.

Usually there is a tier of nominees, based on these scores, which stands above the rest. We call this separation, *the break point*. The Board of Trustees pick this top tier above the break point (between ten and fifteen nominees usually), and forward this list to the other boarding members which are the chapter presidents and the National Executive Board.

At present, there are 70 chapter presidents and about 50 National Executive Board members who are not also Chapter Presidents. The National Executive Board consists of senior Army Aviation leaders, of all ranks, both military and civilian, Active Duty, Reserve Components, and retired. Each of these boarding members gets one equal vote, regardless of whether they occupy two positions: for example, on the Hall of Fame Board of Trustees and the National Executive Board.

Each of the boarding members reviews the dossiers, and again votes the list from 1 to 10. This is tabulated and becomes the final OML. Your Board of Trustees then has a final meeting and officially recognizes the top three nominees on the OML plus any new Medal of Honor recipient(s).

These files are forwarded to our Aviation Branch historian at Ft. Rucker, who reviews the files and DD 214 forms, to insure that the deeds and exploits as recorded are true and accurate.

The Aviation Branch Chief is notified of the selection and his concurrence is requested. The inductees are honored by a very impressive ceremony at the AAAA Annual Forum and the cycle begins again the next year.

The Rules

That is the process as clearly and concisely as I can state it. It is neither difficult nor opaque, but there are a few rules:

First, one cannot nominate oneself (it's been done!).

Second, individuals who are not chosen may be nominated with the same data for three cycles. If they are unsuccessful after three tries, their

files are retired, unless re-written with substantially new information.

Third, Active Duty colonels and above may not be nominated until they retire.

2013 Inductees

The three inductees for 2013 are: LTG (Ret.) August M. Cianciolo, MG (Ret.) Thomas W. Garrett, and CSM (Ret.) Donnie D. Calvery.

Their full citations will be published in the March/April 2013 Annual Forum issue of this magazine. Previous inductees are recognized each month in *ARMY AVIATION* magazine on the inside back cover – look for this portrait and read his or her story.

Please consider attending the induction banquet ceremony at the AAAA Annual Professional Forum and hear and see their accomplishments for yourself. Each inductee makes a short acceptance speech and I guarantee you will be moved, impressed and inspired. Now look around you and nominate your candidate for our Army Aviation Hall of Fame.

We hope to see you at our 2013 AAAA Annual Professional Forum Hall of Fame Induction Banquet on Friday, April 12, 2013 which will also coincidentally be the 30th birthday of the Army Aviation Branch, and the 40th anniversary of our Army Aviation Hall of Fame. You will be impressed.

Dr. (COL) Hal Kushner, Retired is the current chairman of the Army Aviation Hall of Fame Board of Trustees and a 2001 inductee.

Army Aviation Hall of Fame Board of Trustees

Chairman

Dr. (COL) Hal Kushner, Ret.

Trustees

BG Norman M. (Mike) Bissell, Ret. CW5 David F. Cooper, Ret. COL Patrick G. Forrester, Ret. CW5 Randolph W. Jones, Ret. SGM Kenneth G. Rich, Ret. Dr. S. Harry Robertson CSM Hartwell B. Wilson, Ret.

Ex-Officio Trustee
MG Benjamin L. Harrison, Ret.



Three barrels, .50 caliber and 1,300 shots per minute all add up to one effective weapon system.

Lightweight

The total system weight of the three barrel GAU-19/B is neutral to that of a single barrel machine gun.

Reliable

Minimal maintenance and high reliability equal a low life cycle cost. The GAU-19/B has an unmatched 40,000 mean rounds between failure. Initial scheduled maintenance begins at 35,000 rounds.



With a rate of fire at 1,300 shots per minute, the .50 caliber GAU-19/B is the best solution to meet all your operational needs in the air or on the ground.



GENERAL DYNAMICS

Armament and Technical Productsons

Ask The Flight Surgeon



Joint Enroute Care Course

By Dr. (LTC) Joseph Puskar

he U.S. Army School of Aviation Medicine (USASAM) Joint Enroute Care Course (JECC) serves as the Department of Defense center of excellence and expertise for aeromedical en-route care training in rotary wing aircraft.

The JECC provides realistic, relevant and current enroute trauma transport team training to joint and coalition forces, flight medics, registered nurses, certified registered nurse anesthetists, physicians, and physician's assistants. It integrates and incorporates current lessons learned, innovative joint approved technologies, and relevant, realistic hands-on training to ensure optimal enroute patient care.

Each course iteration conducts live teleconferences with deployed units in theater to discuss lessons learned and the most current tactics, techniques, and procedures. Since the 2005 pilot JMERCC (Joint Medical En Route Care Course) through JECC 12-02, the JECC has graduated 811 students from all the Services and many allied nations.

In 2010, the first Enroute Critical Care Nurse (ECCN) rotation was deployed to augment U.S. Army MEDE-VAC units in Operation Enduring Freedom (OEF). JECC attendance was a pre-deployment training requirement for this mission. The mission was officially expanded to include U.S. Air Force personnel in 2011, but they had already been flying missions before this and occasionally augmented Army MEDEVAC units. ECCNs participated in over 1,400 missions as of August 2011 and completed 740 critical care missions in FY 2011 alone.

The Curriculum

The JECC is currently a two phase course: Phase I is a mandatory Distributed Learning (DL) segment with modules covering aeromedical and aviation specific content areas on the Army Medical Department Enterprise Lifelong Learning Center (AMEDD

ELLC) Blackboard site: https://amedd.ellc.learn.army.mil.

Phase II is a ten day resident course with additional didactic content and extensive hands-on practical exercises, culminating with a comprehensive written examination and graded practical examinations on equipment familiarization and critical care transport simulations. The optimal class size is 30 with a 1:1 ratio of student to instructor for the simulator runs. Students receive training on pre-flight assessment, transport equipment and patient packaging, in-flight advanced trauma and critical care management, post-flight assessment, and enroute documentation requirements during 104 hours of in-residence instruction.

Specific topics include altitude physiology, night vision orientation, spatial disorientation and sensory illusions of flight, helicopter safety with UH-60 and CH-47 familiarization, U.S. Navy casualty evacuation (CASEVAC) doctrine, joint enroute care concepts, and limitations and clinical considerations of in-flight care. Also covered are hypoxia training, advanced invasive monitoring, enroute medication management, neurologic injuries, thoracic and respiratory injuries, orthopedic injuries, enroute burn injury management, abdominal injuries, and pediatric transport considerations.

According to the JECC course director, CPT Brian Alexander, RN: "The course continues to evolve and improve through a complete integration of the latest protocols and clinical practice guidelines, filling any training gaps identified in previous ECCN rotations, and integrating the lessons learned from recent combat operations." This is being done in consideration of the training and mission requirements of the Army's new flight paramedic program.

"In the JECC course we teach not only the latest in-flight critical care skills, but also the latest patient move-



ment doctrine to support commanders and their units in the modern battle space. This includes topics such as standardized terminology and patient classification categories. We teach common terminology for the various U.S. military branches using standard NATO terms so that we're all on the same sheet of music in an increasingly joint, and oftentimes multi-national operational environment.

We have trained medical personnel from allied nations to include Canada, Great Britain, Australia, New Zealand, Germany, and other countries.

Clear communication can be critical to prevent confusion and enable resource planners and commanders to use limited resources in the most efficient manner," according to Alexander. "By learning from each other in this course we become more effective working together as a team on the modern battlefield."

Through June, 2011 JECC did not have a funding source and USASAM pooled and surged the resources required to make the mission happen. Shortly thereafter, JECC began receiving resources through overseas contingency operations (OCO) funding sources. Therefore the course has been described by senior Army leadership as a program at risk. "The course has had a life of its own driven by operational needs. We'll have to see where it goes in the future based upon the looming funding constraints, and our on-going operational requirements," said Alexander.

Fly safe, and see you at the flight line!

Question for the Flight Surgeon?

If you have a question you would like addressed, email it to *AskFS@ quad-a.org*. Depending on the questions we receive, we'll try to address it in the future. See your unit flight surgeon for your personal health issues.

The views and opinions offered are those of the author and researchers and should not be construed as an official Department of the Army position unless otherwise stated



Dr. (LTC) Joseph Puskar is a flight surgeon and the director of the Army Flight Surgeon Primary Course at the U.S. Army School of Aviation Medicine at Fort Rucker, AL.

AAAA Scholarship Foundation





AAAA Scholarship Foundation — A Half-Century of Serving Soldiers and Families

By COL (Ret.) Tom Harrison

Double Your Donation Thru Matching Funds

In today's tight economy, everyone is looking for ways to garner financial efficiencies. By taking advantage of the AAAA Scholarship Foundation Matching Fund Programs, you can literally double your scholarship donation. There are very few opportunities to turn \$3,000 to \$6,000 or \$10,000 to \$20,000. The matching fund programs not only double your monetary contribution, but produces perpetual returns via the higher education of our Aviation Soldiers and Families.

These programs utilize money from the general fund to match specified donations in order to systematically increase the impact of those donations to the AAAA membership. Each year, the AAAA Scholarship Foundation, Inc. (AAAASFI) matches donations based on published, procedural guidelines (available at www.quad-a.org) and funds available.*

Chapter Matching*

All 71 AAAA Chapters are eligible to participate in the Chapter Matching Fund Program. This is an annual program through which the AAAASFI matches chapter donations in order to build a perpetual chapter scholarship or establish a one-time scholarship. The program is tiered based on chapter membership as recorded by the AAAA National Office on 1 Jan.

Based on that figure, the AAAASFI will match Super Chapter donations (751 members and larger) dollar for dollar up to \$3,000; Master Chapter donations (301-750 members) up to \$4,000; and Senior Chapter donations (300 and below members) up to \$5,000. Of the 71 currently established AAAA Chapters, 33 participated in the Chapter Matching Program in 2012.

Is your chapter participating? If not, do not let this opportunity pass you by; double your chapter's scholarships and your members' benefits by participating in the Chapter Matching Fund Program.

Corporate Matching*

Like the AAAA Chapters, our corporate members also have the opportunity to take part in a tiered program in order to establish perpetual scholarships. Corporations with gross earnings of less than \$10 million are matched dollar for dollar for the establishment of a perpetual scholarship up to \$15,000; and those with gross earnings of \$10 million or more are matched up to \$10,000.

Unlike the chapter program in which the AAAASFI matches chapter donations annually, the Corporate Matching Fund Program allows for a five year build period. Both the corporation and the AAAASFI have five years in which

History of AAAA Scholarship Foundation, Part 4

August-September 1999 issue of ARMY AVIATION

Record 95 Scholarships Made in 1999

Brig. Gen. Stu Gerald, Ret. *President, AAAA Scholarship Foundation, Inc.*

The AAAA Scholarship Foundation, Inc. (AAAASFI) has just awarded \$175,000 to a record number of academically outstanding students. Enlisted, warrant officer and company grade officer relatives received one third of the



available awards with field grade receiving 45%, and DAC/SES and civilian industry accounting for the remainder of the 95 scholarships and no-interest loans. In fact, one warrant officer, CW5 James F. Wise, had two daughters and a son win awards this year!

Don't forget, we now require at least one full year of AAAA membership before application for these awards. If you have an outstanding student in mind, make sure their parents join AAAA by 1 May 2000 in order to take part in the Fall 2001 program. FYI – This year's awardees averaged 9.5 years of AAAA Membership.

Finally, urge your local AAAA chapter members to start their own chapter matching fund scholarship. Just raise \$1,000 over the course of the year and it will be matched by the AAAA for one award of \$2,000 or two awards of \$1,000 – the chapter's choice. Because the AAAA picks up all the administrative and overhead costs of our Foundation, 100% of your donations go directly to awards or to principal in the scholarship accounts. I am not aware of any other charity that can make this claim.

Stu Gerald Brigadier General, Retired President AAAASFI

to build and/or match the donation.

Once the Corporate perpetual scholarship is established, the AAAASFI awards the scholarship annually in accordance with the corporation's wishes.

Corporations, like chapters and individuals, may establish perpetual scholarships in any amount which meets or exceeds \$1,000. Currently, 22 corporations participate in the Corporate Matching Fund Program. What is your company waiting for?

Continued on page 69

AAAA Chapter Affairs



Central Florida Chapter

By COL (Ret.) Robert D. Carter

s a continuation of the effort to spread the accomplishments of our Chapters around the Association, I have asked the Central Florida Chapter to highlight some of their Chapter activities. Central Florida President Jan Drabczuk and Vice President for Publicity Justine Positano have graciously provided the input below, thanks to them.

Chapter Background

The AAAA Central Florida Chapter was established in 1985. Even though the chapter does not have an Army installation or Aviation unit near its core membership nucleus, the chapter has solidly maintained its membership and its focus on supporting the Aviation Soldier and family, as well as the extended Army community. This includes retired military, government employees, and the contractor workforce.

To date, no AAAA chapter in any category has had more AAAA events than the Central Florida Chapter. Their September 2012 social event represented 223 consecutive monthly membership meetings.

The Central Florida Chapter is, without a doubt, a great chapter with over 480 dedicated members serving Aviation Soldiers, their families, and the local community. It is a "Joint-Like" Chapter: The Chapter is really quite "joint" in nature, because its members represent a cross-section of the Army, Navy, Air Force, and Marine Corps and the large industry contractor base all located in the Central Florida Region. Extended support is also provided to the Tampa/St. Petersburg area. Members continue to be the most important aspect of the chapter. The chapter continuously maintains Master Chapter status.

Activities

In support of the membership, the chapter has a very robust activities pro-

gram. The backbone is their Monthly Social Gatherings. The Chapter has hosted consecutive monthly social gatherings since February 1994.

These monthly gatherings are the primary medium for getting the chapter members together and for providing an informal forum amongst industry, academia, and the joint military community. The meetings are cosponsored by a local industry partner. Special nights are dedicated as Membership Night, Veterans Day and the Holiday Toys for Tots drive.

Besides the Monthly socials, the chapter has a very wide spectrum of chapter events from professional development to community affairs.

A recent luncheon speaker was MG Tim Crosby, PEO Aviation and the Annual Golf Tournament is always a sellout. The golf tournament is held as an associate event in support of the joint services Training and Simulation Industry Symposium (TSIS) and the AUSA Sunshine Chapter Army Birthday Ball. This tournament is a major fundraiser for the Chapter and provides a large percentage of the Chapter operating budget. It is heartily supported by industry sponsorship and participation.

Holiday time includes the annual Toys for Tots Campaign. This annual event, held in conjunction with the December monthly social, has become one of the most widely-attended events of the year with well over 150 members turning out this year and raising over \$6000 in cash and toys.

During the Holiday Season, Food Baskets are also provided to local military families. If you want something different, there is always something new for Central Florida. This past year, the Chapter hosted the first ever AAAA cruise.

Chapter Awards and Scholarships

Awards and Scholarships are also a must for the chapter. The Chapter rec-



Wells Barlow, president of the Central Florida Chapter of the Armed Forces Communications and Electronics Association (AFCEA) and AAAA Central Florida Chapter President Jan Drabczuk, thank MG William T. Crosby, Program Executive Officer, Aviation, for his luncheon speech.

ognizes local chapter members with certificates of appreciation and has an active OSM awards program. Three chapter member families were recently awarded \$3,000 scholarships.

The Central Florida Chapter continues to excel in maintaining the focus on the goals and objectives of AAAA and we are proud to highlight this exceptional chapter. For more information on the Chapter, please contact its president Jan Drabczuk at *jan.drabczuk@gmail.com*. Again, thanks to Jan and Justine for their leadership to this great chapter.

Summary

As your VP for Chapter Affairs, I will use this information to assist you in meeting your individual chapter goals. Feel free to contact me if you want or need help for your Chapter or to obtain clarification of National procedures. If you have an idea of a subject that needs to be transmitted to our 71 chapters, let me know and I will use this column as the voice across the Association.

As a reminder my email address is bob.carter@quad-a.org, drop me a line. See you next month and thanks for the opportunity to serve the Aviation Soldiers and their families.

**

COL (Ret.) Bob Carter AAAA Vice President for Chapter Affairs

AAAA Membership Memo

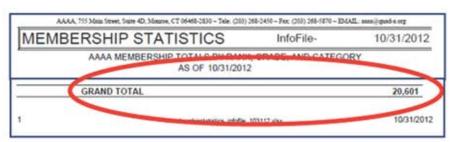


The 20,000-ish Glass Membership Ceiling

By CW5 Mark W. Grapin

n the days just before our National election, a congratulatory email circulated among the members of the Quad-A National Executive Board and National staff on having eclipsed the 20,000 line on our membership roster. While this was great news by any measure, it was tempered only a day or two later by a downward adjustment (sound familiar?) after deductions for "dropped" members that is, those who had not renewed their memberships, and who had not responded to gentle reminders to that effect. The final number settled to just over 20,000; again, great news, but this must be taken in context.

Taken on a whole, allow me some generalities:



Pushing membership numbers above a given goal line through recruiting often entails different muscle movements than retaining those numbers. The keystone of this effort on both fronts centers on the local chapter.

- A huge number of our members are simply not contacted on a regular basis by their local chapters regardless of the distance implied by "local."
- It is the exception, rather than the rule, that a chapter puts its arms

around new members in sending them a *welcome aboard* message.

• It is the exception, rather than the rule, that a chapter communicates with its members at least monthly, and selects one of its own for an "of the



month" award.

• And it is the exception, rather than the rule, that a chapter keeps track of who is where on their membership roles in terms of membership renewal.

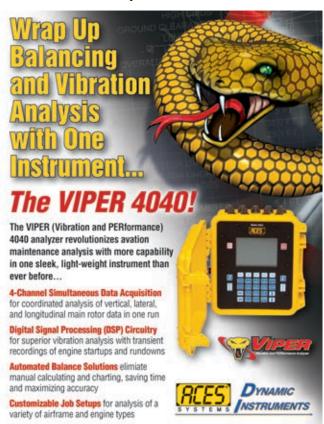
I offer two fundamental remedies to at least put a dent in these challenges:

- First, we reexamine the entry we put in the MEMO line of our membership check we send in to Monroe, Connecticut. For my money (please forgive the pun), we lump all such checks into the same over-generalized category of membership DUES; and we fail to see this particular check as an INVESTMENT in our very Army Aviation future. Dues are for homeowner associations and duck hunting clubs, and this over-generalization and misperception is ours to correct starting now.
- Second, we must slow the revolving door of membership retention. I have twice proposed to the National Executive Board that we substantially restructure how we affiliate members with local chapters, and gained little traction in the effort.

We could take a page from the local fast-food drive-thru Employee's Handbook in not asking, "Would you like fries with that burger?", but rather, "Which size fries would you like with your meal?"

In short, members should be automatically linked to a chapter unless they specifically indicate they desire no such affiliation. Not whether you *want* fries – rather, which *size* fries? Our failure to ask this affiliation question in the right manner leaves chapter dollars on the National Office table for every such member. It is likely this lack of a sense of belonging to a local chapter that is the largest factor in disenfranchising a member considering renewal!

Please don't read any of this as an indictment or fail-



ACES Systems/TEC Avation Division • Phone 865-671-2003 • Fax 865-675-1241

www.acessystems.com • ISO 9001

ure – simply a gentle encouragement and a point in a certain direction that will take some of the yo-yo effect out of thousand-member swings in our membership pendulum in less than a month.

Fact Checking as a Cottage Industry

As I pen this article, our 18-month-long national election campaign cycle has mercifully and finally concluded. A show of hands, please – How many noted a new extra step in our communication and comprehension cycle? My sons – both of whom recently completed their Boy Scout Communication Merit Badge – sure did.

That (shall we say) misrepresentation is to be expected, and nothing is to be believed until after your favorite *fact checker* has been consulted. Even then, we learned that certain factors may even influence the degree of correctness derived – or sadly, desired.

The information Quad-A provides to those on our collective behalf to those who shape our budgets, flight lines, and formations, must continue to be beyond reproach. Each individual who wears the prop and wings is in fact an ambassador for our Branch and Army. Every chapter officer, and those on the National Executive Board and Group, remain acutely aware of the *one chance* we get to get it *wrong*.

In other words, the first misrepresentation we make risks our being disinvited from our audience with Congressional staffs and Service leadership.

Our credibility in how we represent our Branch and members of our Army Aviation community and their families remains a central focus of the mission of our Association. I would like to think those hired to fact-check Quad-A data would quickly grow bored with how routinely accurate and timely our data truly is! Let's call this diligence just one of countless reasons for penning that *Membership Investment* check.

In revisiting my point earlier about membership numbers, we must be circumspect of a prospective member's desire to join our ranks. And, although AAAA membership is absolutely free for those deploying or deployed to the combat theater, there is nothing automatic in the process.

No S-1 lists are automatically converted to membership rosters, and each request must be handled individually. The whole process starts with either a phone call to the National office at 203-268-2450, or an email to *aaaa@quad-a.org*.

Also, the website (www.quad-a.org) employs a drop-down option to indicate your no-charge/deployed status. Details on our complementary membership programs, and each of our several other membership programs, are further described in the AAAA InfoFile, and I welcome your questions at mark.grapin@quad-a.org.

CW5 Mark W. Grapin AAAA Vice President for Membership

Attention AAAA Members Stay Connected!

Get the latest email news & notices from the AAAA National office.

Send your email address (Especially your AKO account) to the AAAA National Office email: aaaa@quad-a.org

Add aaaa@quad-a.org to your address book.
This will assure that your email is not bounced by "spam" filters

Spouses' Corner



Surviving the Loss of a Loved One

By Judy Konitzer

We traditionally celebrate our holidays with the giving of gifts. I chose to focus on the gifts that three survivors have given to others, which for them preserve a legacy for the ultimate gift and sacrifice given by their fallen Soldiers.

Judy

he Association of the United States Army (AUSA) held its Annual Meeting in Washington, DC, October 22-24, and I looked forward to attending their Family Forums to hear our Army leadership, directors, and family members who share their stories.

One Forum, Surviving Families: New Beginnings-New Strengths, was facilitated by LTG Michael Ferriter, commanding general of Installation Management Command. He reinforced the position that Army leadership is committed to helping our fallen Soldiers by supporting their families as they go through the process of accepting their loss.

Coming to terms is an ongoing process, and "through Survivor Outreach Services (SOS) comprised of Active, Guard, and Reserve members, the plan is to provide long term services to families regardless of component, closest to where they live, and for as long as they desire," Ferriter said. This is done by managing life and benefit milestones, developing financial plans, facilitating support groups, and making referrals.

The 2006 program became more robust in 2009 and is constantly evolving with new initiatives: ID card access to installations, more programs for Gold Star families, and having coordinators attend Master Resiliency courses to build skills to help survivors. There are 232 program coordinators globally, with an Advisory group meeting semi-annually with the Army Chief of Staff's Task Force and quarterly with LTG Ferriter.

Information dissemination is a challenge, but having a TV ad for the 2013 Super Bowl, AAFES trucks advertising the program, and partnering with 400-plus agencies like Tragedy Assistance Program for Survivors (TAPS) and other grief organizations, who fill the gaps outside the gates and in remote areas, is a start.

A Personal Testimony About the Positive Support of Survivor Outreach Service

Kristen Santos-Silva, a survivor, questioning "What next and what does my life look like now?" told how she became involved with SOS. After 14 years in the Army, her husband SFC Carlos Santos-Silva on his fourth deployment was killed in Afghanistan, March 22, 2010. She was prior military and a family readiness group leader for his battalion at Fort Bragg, NC. Before his death she told a new widow about SOS services and then went on to brief other units.



LTG Michael Ferriter (left), commander of U.S. Army Installation Management Command/ Assistant Chief of Staff for Installation Management, facilitates AUSA's Family Forum III Surviving Families: New Beginnings-New Strengths at the annual meeting, October 22-24 in Washington DC. Seated from left are: Patricia Barron, Director of Family Programs for AUSA; survivors, Lisa Hallett, Kim Rucco, and Kristen Salvos-Silva; and J.C. Abney, SES G-9 Deputy Chief of Staff for Family and MWR Programs.



Once widowed, she attended the SOS classes to learn about benefits, finances, health care, grief management, and viewed her husband's name on the SOS Wall of Grief with other heroes. In May, she and her son attended an SOS picnic with other survivors and their children.

No matter how their Soldier's death occurred, support groups are important because where words are sometimes too much, just being in the vicinity of others in the same situation can do so much for healing. She and her son found this at the picnic.

They then relocated to Maryland to be near Carlos, who is buried at Arlington National Cemetery. (Many survivors actually move closer to the burial areas of their spouses' vs. moving back to hometowns or families.)

The Ft. Bragg SOS office sent information to the Ft. Meade, MD staff who assisted them on their new journey.

Kristen still needed to feel her military connection and felt somehow she could give back to the Army as her way of healing, moving forward, and preserving her Soldier's legacy. She shared "it is important to remember that a part of them still exists even though a part of them is missing."

She joined the SOS Advisor Working Group that offers advice to the Army Chief of Staff about survivor issues, thus being able to make positive changes in the program.

One of their goals is to provide support to surviving children, as well as children of Wounded Warriors, by creating a Big Brother-Sister Program.

Wounded Warriors from her husband's unit expressed a desire to give survivor families something to look forward to, and Kristen felt partnering with Wounded Warrior battalions could provide hope for children all over the Nation and would enable them to have a special bond that only they could offer. Santos's son said, "That would be so cool to have somebody that served with Dad that I could talk to, who understands me, and who can tell me things and do fun activities with."

A Survivor Wears Blue and Runs To Remember

Lisa Hallett found a healthy way to move forward to remember her husband, CPT John Louis Hallett III, killed in Afghanistan, August 25, 2009. Their third child was born three weeks into John's second deployment, and three weeks later she was informed of

his death. Running is how she had always dealt with the challenges of military life, so the first thing she thought to do was "lace up my sneakers!" Two days after John died, she met with some friends and because she had just had a baby she said," it wasn't pretty and it was the slowest ugliest run ever." However, she needed to run in order to grieve and it was the first time she was able to connect with her loss.

She also needed to gather with other people and know that she wasn't alone. Running was a tangible accomplishment, and she could control it in a world that for her felt out of control. She said she "pounded the pavement in sorrow for all the dreams lost, for fears she had for the future, and for the stress of raising three kids under the age of three without the love, strength, and guidance of their father."

A small group of spouses from the battalion began to run together, and they supported each other through their grief, fears, and solitude. They realized they were running through the stress of the deployment and forming their own support network running for strength, hope, and confidence for the future.

They met Saturday mornings, gathered in a small circle, called out the names of their brigade's fallen soldiers, and then pushed out on training runs for an upcoming marathon. The runs were happy, full of the joy of life, and Lisa realized that she had an entire military family by her side.

When Soldiers returned from deployment, the runs became a good way to reintegrate with their community and their families.

There were 31 KIAs during CPT Hallett's deployment, and that is only a small fraction of total lives lost.

The unit's Soldiers found a benefit which transferred to other units. This was no longer just widows and wives running at Joint Base Lewis-McCord, but a diverse group of active, retirees, veterans, and other community members who meet on Saturday mornings at 9:00 AM, pay no fees, wear blue tee shirts, talk about the fallen and say their names no matter from which war or deployment, then run, sprint or walk at least three miles to honor the sacrifices of their Soldiers.

Lisa went further and cofounded Wear Blue: Run To Remember as a national non-profit organization, which acts as a support network and links Service members to local Gold Star families."They run to heal, to grieve, to cope, to find strength, to give strength, to celebrate the lives that heroes lived, and to show continuous pride for our military," said Lisa.

A chapter now runs at Ft. Bragg and a group recently ran AUSA's Ten Miler and the Marine Corps Marathon.

Anyone can open a running chapter outside of their installation or in their local area; more info is available at www.wearblueruntoremember.org.

Surviving Losing Your Soldier to Suicide

Kim Rucco lost her husband, Marine Corps Major John Rucco, to suicide in 2005. Although she had a Master's degree in Social Work, her husband's symptoms did not seem to fit any of the "suicide" patterns which would lead one to believe the inevitable. She had fears of losing him in a crash, but never to a suicide.

He was first in his graduating class in flight school, but in the early 1990s, lost many friends due to "mishaps." He had flashbacks and struggled with post traumatic stress disorder (PTSD), but then he started to transition and "got well." After 9-11 he deployed with a Reserve unit, flew 75 combat missions, and received awards. PTSD returned, but he and Kim did not know where to turn and what would happen if someone knew.

There was a stigma to PTSD and he was afraid if he looked for mental health care it would change the way people viewed him. The thought was PTSD was a character flaw. When John committed suicide, a trauma specialist told Kim that her two boys were too young to tell them the cause and to just say he had an accident.

She also had a fear of taking the boys to church since it was considered a sin to commit suicide, so she lied to them. One day Joey said, "You know, I think I killed Dad. When Dad was not looking, I put salt on his nachos."

With this revelation, Kim felt she had to start from scratch and repair the lie with honesty. She called Bonnie Carroll, Founder of TAPS at midnight for help and followed up by attending a TAPS meeting.

She learned how important it was to get immediate help and give survivors the best care to keep them from falling apart during their loss or becoming sick themselves. Suicide also makes kids feel abandoned, and they think that a parent chose to leave them no matter what you tell them about the

suicidal mind. Suicide loss is different and there is guilt and trauma associated with it for not being able to protect your loved one.

There are 3,000 suicide listings in the TAPS data bank. Families of a suicide are five times more likely to also die from suicide. TAPS has memos of agreement with most of the Services and works closely with SOS offices.

They can get survivor names within days to reach out and assist with their needs, assess their risks, coordinate services, and connect them with peers and trained mentors who had a similar loss. They also run national, regional, and suicide prevention survivor seminars and grief camps. Kim not only reached out for help for herself and her two boys, but also is now reaching out to others as the director of TAPS Suicide Prevention programs.

Each panelist had their own story and mission to heal. I was humbled listening to them and in awe of what they have accomplished. We need to continue to embrace them and others like them and let them know that they are never alone. They are and will forever be a part of our military family!

Judy Konitzer is the family readiness

editor for ARMY AVIATION; questions and suggestions can be directed to her at judy@quad-a.org.

AAAA Scholarship Foundation

Continued from page 63

Heritage Matching*

The Heritage Matching Fund Program offers matching funds for units or veterans associations who wish to establish a perpetual scholarship. Regardless of size or organization, unit and veterans organization donations are matched dollar for dollar up to \$10,000. Recognizing that gathering \$10,000 may be challenging for units and veterans organizations, the program allows for a 10 year build period.

Seven organizations currently participate in the Heritage Matching Fund Program. Honor your unit/organization's legacy by establishing a perpetual scholarship in its name.

Individual Matching*

The Individual Matching Fund Program offers matching funds for perpetual scholarships established in honor of a specific individual. This program

matches donations up to \$15,000 for a specific individually named scholar-ship and allows for a five year build period. The AAAASFI annually accepts up to three donors into the program and has already matched eight individual scholarships and is accepting requests for the 2013 program, as always pending availability of matching funds.

Participate in a Matching Fund Program

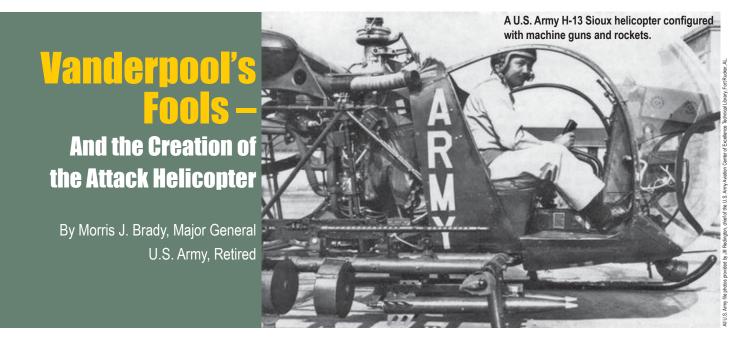
The AAAA Scholarship Foundation Matching Fund Programs are a fantastic way to double your investment in our AAAA members. Don't wait another minute. Seek out a matching program and double your gift of education!

*All matching fund programs are based on funds available in the AAAA Scholarship Foundation General Fund. The AAAA Scholarship Foundation reserves the right to modify matching ceilings and/or suspend matching programs as required.

Thanks for all your past support!

COL (Ret.) Tom Harrison, President, AAAASFI





ne of the brightest chapters in the history of the U.S. Army has been the growth and contribution of Army Aviation. In a remarkably short time Army Aviation has grown in numbers, capability and sophistication. Once a novelty, today it is indispensable.

It has added width, depth, speed and lethality to our fighting formations, freed the soldier from the clutches of the battlefield, brought him needed information, sustained him and carried him to lifesaving care.

No combat function remains untouched by the capabilities of Army Aviation. The impact on Army operations through the inclusion of aircraft hasn't been the result of one person or even a single group. Instead there has been a core of visionaries who couldn't be denied.

These founders have been followed by continuing generations of unstoppable men and women of all ranks and specialties dedicated to the success of the Army through aviation. Each of these warriors has played and continues to play his or her essential role.

Acknowledging all of this, one must confess a special reverence for those aircraft first called "gunships" and the people who flew them.

Regardless of any personal bias, the men who flew and crewed what are now more formally referred to as attack helicopters will always stand apart. The puzzling thing is that the remarkable people who overcame a vast burden of resistance and made it all possible are little known today and the recognition of their enormous contributions is beginning to pale.

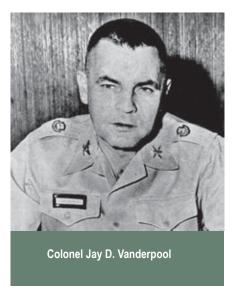
For example, where did the concept of today's attack helicopter and its tactics come from? While some of the better informed among us might think it all began with Vietnam or the famous Howze Board of 1962 or even the earlier Rodgers Board, the seeds of the gunship were planted much earlier. There is more to the story.

For a few farsighted advocates, the arming of the helicopter was just a matter of time. As early as 1950, Bell Helicopter experimented with a bazooka mounted on an H-13. The idea became popular with a select few in the early 1950s during the Korean War where the little helicopters seemed to effortlessly climb to and away from countless mountain landings in a matter of minutes.

The same trip took exhausted foot soldiers hours and sometimes days. It simplified a number of other missions as well. Most notable among these was the ease and speed with which the helicopter evacuated critically wounded men to medical facilities.

First Came the French

Not surprisingly the French claim to be the first to arm a helicopter. In the mid 1950's a French commander in Algeria, whose unit was pinned



down by rebel fire from a hillside above his position, decided to strap two men with automatic rifles to litters lashed on either side of an observation helicopter. The fire delivered by the two "airborne" soldiers caused the enemy to abandon their positions and the French unit occupied its objective.

When the lessons of the Korean War were studied, something more than our advantage in firepower and technology was needed to counter a numerically superior force and difficult terrain.

Looking for solutions, Army planners replaying the combat operations of Korea, using hypothetical airmobile equipment and tactics, began to

70TH ANNIVERSARY OF ARMY AVIATION

seriously consider the advantage of combat units organized around the mobility of the helicopter.

From that point on, the arming of the helicopter was the next logical step. But as most soldiers know, our Army prefers to move in strange and wondrous ways. French, British, and U.S. Marines were also experimenting with helicopters. At first everything was new. There was no doctrine, no force structure, no equipment and no money. Only burgeoning ideas.

In April of 1954, then Major General James Gavin (a renowned airborne soldier of WWII) published an article in *Harper's* magazine called, "Cavalry, And I Don't Mean Horses."

Although the article amounted to a summation of a number of recent Army studies, there was no official Army position on the integration and use of aircraft in combat units. However, General Gavin's article became a seminal piece that stirred and emboldened the minds of others.

One result was that the Army school system started studying and teaching airmobile operations. In at least one instance involving the Airborne Department of the Infantry School at Fort Benning, GA a helicopter company (initially equipped with H-19s) was made available for experimentation.

The department, under then Colonel John J. Tolson, was soon renamed The Airborne-Army Aviation Department. These efforts resulted in the publication of a new Field Manual, FM 57-35, "Army Transport Aviation-Combat Operations."

The FM drove the Army's first requirement for an aerial weapons system that could suppress enemy fires during the approach phase of a combat assault.

Army Aviation School Begins a Quest

Meanwhile none of this was lost on Fort Rucker. Coordinating closely with the work being done at the Infantry School, in 1955 Brigadier General Carl I. Hutton, commanding general of the Aviation School, decided to begin testing the feasibility of an armed helicopter.

Not only did General Hutton see the need for an armed helicopter, he also took the initiative to test his ideas when they were definitely not popular



Dual mounting of machine guns and rockets on a U.S. Army H-13 Sioux helicopter.

among the Army's leaders.

To get things started, General Hutton assigned a non-aviator artillery colonel as project officer, established broad objectives, gave the support of his office to an unblessed and unfunded project and shielded the undertaking from interference by a host of more senior nonbelievers.

The task to see what could be done fell to one Colonel Jay D. Vanderpool who became the project officer and chief of the Armed Helicopter Demonstration Team. As history will attest, Colonel Vanderpool did not do things casually. Although Vanderpool was not an aviator, his experience during World War II and Korea, particularly in clandestine operations, gave him a unique perspective on the role that helicopters might play when integrated with ground operations.

Fortunately, for the future of Army Aviation, he was also an aggressive and very determined individual who appreciated the freedom he had been given to pursue a cause he believed in.

Others, however, saw no future for such a thin skinned flying machine in combat. To say the least, the idea of any helicopter of that time operating in close proximity to an armed enemy had few supporters in or out of the Army. The idea was frequently the object of ridicule within the Army and enthusiastically refuted in Air Force circles. Even many of the Army's

fixed-wing pilots of the time doubted that the helicopter could survive in combat.

The narrow base of support wasn't Colonel Vanderpool's only obstacle. To accomplish his task he had a mission statement to tell him what was desired, but no aircraft or troops to work with and no funding to get the job done. General Hutton topped off his guidance with "avoid publicity."

For an officer like Jay Vanderpool, the situation was ideal: no money, no troops, no equipment and an impossible task with plenty of big time opposition. It was a job tailor made for the unusually resolute and resourceful officer who delighted in the challenge.

Finding the Resources

Vanderpool immediately began courting the Aviation School's Department of Tactics where he found people and aircraft and funds to handle some of the startup costs.

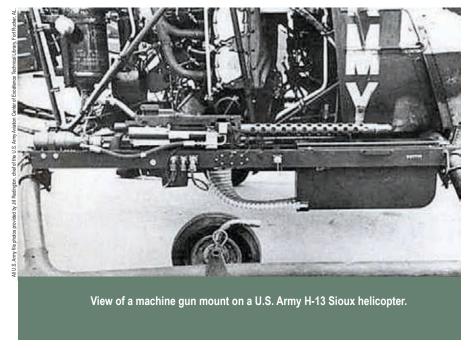
With the Department of Tactics aboard, he immediately formed an extra-curricular "Sky-Cav" platoon.

Since there were no armed helicopters and no one had flown one in combat, the early efforts were pretty much a home grown affair.

A variety of weapons were begged, borrowed and otherwise appropriated throughout the Army and the other services.

The makeshift weapons invento-

70TH ANNIVERSARY OF ARMY AVIATION



ry was bolted and clamped onto helicopters to test the practicality of new and unusual ways of flying and firing them. There is no record of any extensive aerodynamic analysis. If there were no objections and someone was willing to fly the configuration, it got a test flight.

The civilian instructor pilots from the Department of Tactics not only volunteered their time, but also adapted to their role of making something from nothing with considerable vigor.

They flew their little birds and jury rigged weapons with great skill and gleeful abandon. However some things cannot remain hidden. And in a short time, the platoon became widely known for its daredevil flying and hair-raising tactics.

A few observers with limited vision and lack of foresight predicted that the project wouldn't last long enough to prove anything. Others, more tolerant of new ways, thought they saw possibilities in the fast, hard hitting concept inherent in an aerial gun platform.

The idea began to fit the helicopter like a glove. It was a natural for the Air Cavalry.

The First System

The first armament system consisted of two .50 caliber machine guns and four 8-centimeter Oerlikon antitank missiles. A heavy load indeed, but with his usual concession to prob-

lem solving, Colonel Vanderpool, using his earthy insight, reasoned that if the H-13 could handle the load, smaller weapons wouldn't be a problem.

The antitank rockets were chosen because he considered the tank to be the most difficult target on the battle-field to hit and to kill. Bore sighted at 800 yards (the Army had not yet gone metric) the aircraft was flown to Matteson Range for test firing.

With the aircraft tied down on an elevated platform, the machine guns were fired in short bursts. Finding no cracks or damage to the airframe, the bursts became longer and the machine guns were fired simultaneously. Still no visual damage was found.

Test firing continued until the muzzle blast and vibrations created by the two guns caused the doors to become unlatched and swing open. Both were shredded. Thereafter firing was conducted with the doors removed.

Test firing continued with the unjustified confidence of the history making crews and their mentors. Soon the aircraft were flying and firing to the delight of all involved. Their accuracy improved with each run down range.

Next the rockets were fired with surprising accuracy and a smaller dispersion pattern than had been anticipated. The team was jubilant, believing that they were on their way toward establishing the armed helicopter as an effective antitank system. After more testing, the .50 caliber system was determined to be too heavy for the H-13 helicopter. Before they were done, the team had mounted and fired every system they could locate on every type of helicopter then available at Fort Rucker.

The favored system became four .30 caliber machine guns mounted in shock absorbing hydraulic adapters and bolted to the skids of an H-13.

Four aerial rockets of varying types were also part of the preferred system mix. The four .30 caliber machine guns and ammunition were still too heavy; but undaunted, Vanderpool was demonstrating firepower and wanted the extra weapons for their effect.

Soon officers, warrant officers and NCOs began to fill the spaces in a new test organization, flying with the same skill and derring-do of their predecessors. Their reputation grew, although with divergent opinions. Soon they were being referred to as "Vanderpool's Fools." It was a title the entire team proudly accepted.

Selling the Concept

Seeking support for his gunships, Colonel Vanderpool dazzled a variety of military and civilian authorities with a series of low-flying, live-fire demonstrations. By now these demonstrations included several armament systems for the H-13, H-19, and H-21 aircraft and were key factors in resolving many of the doubts about the effectiveness and survivability of the "flimsy" helicopter in combat.

Vanderpool knew that they didn't have the ideal armament system or vehicle, but was convinced that it was merely a matter of time until more effective weapons and aircraft became available.

Once the helicopter had demonstrated that it was an effective gun platform, General Hutton directed that the team develop an experimental company-sized airmobile force. The task included defining aircraft, pilots, and troop requirements together with a maneuver scenario.

It was early 1956. With no known model of such an organization and his own thoughts of a flying and fighting outfit still forming, Colonel Vanderpool drew heavily on the Duke of Wellington's employment of cavalry,

70TH ANNIVERSARY OF ARMY AVIATION

dragoons and artillery.

Wellington relied heavily on the mobility of his Cavalry who fought from their mounts. His Dragoons, as mounted infantry had equal mobility but dismounted to fight the more stubborn battles. The entire force was supported by the horse drawn (equally mobile) artillery. Reasoning that Wellington had done fairly well with such an organization, Vanderpool decided to give it a go.

One of the unique challenges of this early organization was adjusting to the speed of its response. The cavalry platoon could cover dozens of miles in a matter of minutes. The force as a whole could converge on a point or disperse a distance of miles at the same speed instead of the usual hours or days. This presented new and welcome perspectives of command as well as control.

The First Unit

The new platoon was officially unveiled at Fort Rucker in June of 1957 during a symposium of industrial-military dignitaries sponsored by the Association of the United States Army. By November, the unit was redesignated the Aerial Combat Reconnaissance Platoon Provisional (Experimental). By March 1958, the platoon was expanded to a company size unit and retitled the 7292nd Aerial Combat Reconnaissance Company (Experimental).

Organized under an approved Table of Distribution, TD-7292, it became the first unit of its kind with the mission of supporting the Aviation School in the "...development of tactical doctrine, organizational data, material requirements, tactics, techniques, and procedures for the employment of a completely airmobile combat force."

It is interesting to follow the lineage of this historic outfit. Third Army General Order 55 of March 25, 1959 redesignated the 7292 ACR as the 8305th Aerial Combat Reconnaissance Company dropping the "Experimental." On September 24, 1962 the 8305th was again redesignated as D Troop, 17th Cavalry and moved to Fort Benning.

The following year, it became D Troop of the 3rd Squadron, 17th Cavalry Regiment, 11th Air Assault Division (Test). The Troop's organiza-

tional designation was later changed to A Troop, 3rd Squadron, 17th Cavalry and on August 1, 1965 became A Troop, of the 1st Squadron, 9th Cavalry Regiment and ordered to Vietnam as part of the 1st Cavalry Division (Airmobile).

For the next eight years it served with the highest distinction in continuous combat as the lead element of the most decorated division of the Vietnam War.

In the end it was Vanderpool's Fools who established the feasibility of arming the helicopter. For the lack of a better name these aircraft were called gunships. They and the next generation of inspired men drove the development of the armed helicopter to new heights, resulting in the fielding of the AH-1 Cobra series of aircraft. The Cobra was our first helicopter to be referred to as an attack helicopter.

Willing to go beyond convention, ready to confront the unknown, relying on their own ingenuity, the unwavering focus of these Knights of the Air was a commitment to the advancement of the U.S. Army.

Surely this is a story that should be known to the present and future men and women who travel the skies to defend our Nation.

Some things should not be forgotten. Unfortunately, those things that we do not celebrate, we forget. That is why we have "the Wall." By preserving our aviation heritage, we honor those who have given us so much and we keep our pride alive to inspire those Sky Warriors who follow.

MG (Ret.) Morris Brady is a Master Army Aviator with early service in the 11th Air Assault Division and its Aerial Rocket Artillery (ARA) battalion. He served two and a half years in Vietnam, with the ARA and the 1st Cavalry Division Artillery. He was assistant division commander of the 101st Airborne Division (Air Assault), where he was the architect of the Air Assault School and designer of the Air Assault Badge. He also commanded the 2nd Infantry Division in Korea. He is a founder and retired, long time chairman of the Army Aviation Heritage Foundation.



Industry News

Editor's note: Companies can send their Army Aviation related news releases and information to editor@quad-a.org.

CSC to Upgrade Training Simulation Technology



CSC was awarded a firm fixed price (FFP) contract modification to upgrade a simulator-based flight and related aviation training device for the U.S. Army Aviation Center of Excellence at Ft. Rucker, AL. Awarded in the second quarter of CSC's 2013 fiscal year, the contract modification has a six-month base period and ten one-year options, for a total value of \$34 million. The contract modifications were awarded under the Flight School XXI indefinite-delivery requirements contract, which CSC won in 2003. CSC will upgrade the Reconfigurable Collective Training Devices (RCTD) to more closely simulate the Block 2 model of the OH-58D aircraft and enhance the interoperability between new and existing technologies. As part of the Flight School XXI contract, CSC provides cost-effective simulation training in realistic combat environments that supplement the live aircraft experience. Students experience combat conditions in realistic environments on terrain that they will see in the future while learning to fly and fight. The RCTD allows units to train collectively to most closely simulate the roles and responsibilities of each individual as they relate to the overall situation and includes 18 manned-modules that are representative of and can be reconfigured to U.S. Army aircraft, including the OH-58D Kiowa Warrior, AH-64D Apache, UH-60A/L Blackhawk and CH-47D Chinook.

Contracts – (From various sources. An "*" by a company name indicates a small business contract)

AAI Corp., Hunt Valley, MD, was awarded a \$203,568,826 cost-plus-incentive-fee contract to provide for the modification of an existing contract to procure logistics, operations and sustainment support for the Shadow Tactical Unmanned Aircraft Systems. Work will be performed in Hunt Valley and Afghanistan, with an estimated completion date of Oct. 31, 2013.

The Boeing Co., Mesa, Ariz., was awarded four contracts:

a \$66,107,478 firm-fixed-price contract to provide for the modification of an existing contract to procure Apache Block III aircraft and related support – work will be performed in Mesa, with an estimated completion date of Oct. 31, 2017.

a \$59,569,990 firm-fixed-price contract to provide for the modification of an existing contract to exercise option year two for Army aviation missile command material/labor for service of the Apache D unique components on the Performance Based Logistics contract – work will be performed in Mesa, with an estimated completion date of Oct. 31, 2013;

a \$49,550,000 firm-fixed-price contract to provide for the modification of an existing contract to procure services in support of the H47 Component Material and H47 Over-and-Above Airframe – work will be performed in Corpus Christi. TX. with an estimated completion date of Oct. 31, 2013; and.

a \$34,125,819 cost-plus-incentive-fee contract to provide for the funding of AH-64 Apache Block III System Development and Demonstration Phase – work will be performed in Mesa, with an estimated completion date of Sept. 30, 2014.

Bell Helicopter Textron Inc., Hurst, TX, was awarded a \$33,410,210 firm-fixed-price contract to provide for the procurement of Bell Helicopter Huey II

aircraft and related support services. Work will be performed in Hurst, with an estimated completion date of Dec. 31, 2013.

EADS North America, Herndon, VA, was awarded a \$181,763,959 firm-fixed-price contract to provide for the modification of an existing contract to procure UH-72A aircraft. Work will be performed in Columbus, MS, with an estimated completion date of Aug. 31, 2014.

General Atomics Aeronautical Systems Inc., Poway, CA, was awarded a \$20,580,000 fixed-price-incentive contract to provide for the engineering change proposal in support of software development. Work will be performed in Poway, with an estimated completion date of Nov. 15, 2013.

Honeywell International Inc., Tempe, AZ, was awarded a \$31,701,481 firm-fixed-price contract to provide for the procurement of services in support of overhaul and repair activities for the entire T-55 family of engines and components. Work will be performed in Corpus Christi, TX, with an estimated completion date of Oct. 31, 2013.

Lockheed Martin Missiles and Fire Control, Orlando, FL, was awarded an \$18,343,000 firm-fixed-price contract to provide for the modification of an existing contract to procure modernized target acquisition designation sight/pilot night vision sensors. Work will be performed in Orlando, with an estimated completion date of Oct. 22, 2012.

Northrop Grumman Technical Services, Sierra Vista, AZ, was awarded a \$36,504,506 cost-plus-fixed-fee contract to provide for the services in support of the Hunter Unmanned Aircraft System. Work will be performed in Sierra Vista, with an estimated completion date of Oct. 30, 2013.

Sierra Nevada Corp., Sparks, NV, was awarded a \$14,975,798 firm-fixed-price contract to provide for the procurement of a Hawker Beechcraft B300 aircraft equipped with extended range package and integrated avionics system. Work will be performed in Sparks, with an estimated completion date of May 2, 2013.

Advertisers Index

AAI Corporation	5
AAR Mobility Systems	7
ACES Systems/TEC Aviation Division	66
Advance Turbine Engine Company	9
Aero Dynamix Inc.	
ALKAN	67
Army & Air Force Mutual Aid Assoc.	31
BAE Systems	
Boeing, Defense, Space & Security	1, 15
Coastal Aircraft Parts, LLC	73
Contract Fabrication & Design, Inc.	88
EADS North America	12, 13
General Atomics Aeronautical Systems, Inc	61
Goodrich ISR Systems	11
Goodrich Sensors & Integrated Systems	19
Hupp Aerospace Defense	16
Kipper Tools	38
L-3 Wescam Communications	
Meggitt Defense Systems	29
Northrop Grumman Corporation	33, 35
Phantom Products Inc.	
Rolin Industries, Inc.	37
Science and Engineering Services	
TELEGENIX	57
Ultrax Aerospace	
USAA	21
USATCO	68
VT Miltone	59

PØTM PEOPLE ON THE MOVE

Change of Charter

Nunn Takes Over NSRW



MG William "Tim" Crosby, Program Executive Officer for Aviation, passes the Non-Standard Rotary Wing Project Management Office colors to Kelvin Nunn who assumed responsibility as the acting project manager Nov. 16 during a change of charter ceremony on Redstone Arsenal. "I commit to you and to the rest of the non-standard team that I will endeavor every ounce of strength to aggressively pursue the successful completion of this mission," Nunn said. He assumed responsibility from COL Bert Vergez, the Army's first PM for NSRWA, who retired the same day.

Deployments/Redeployments

Pistoleros Deployment a Milestone



From left, LTC Christopher M. Barnwell, commander of 4th Battalion, 501st Aviation Regiment, Combat Aviation Brigade, 1st Armored Division, CSM Steven D. Odom, command sergeant major of the 4-501st, and COL Lonnie G. Hibbard, CAB commander, case the battalion's colors during a ceremony held in the battalion's hangar Nov. 21. The battalion is set to deploy to Kuwait in the coming days and is the first CAB unit to deploy since its activation at Fort Bliss, TX in Sept. 2011.

Awards

Brandt Receives DCSA



Dr. Ash Carter, Deputy Secretary of Defense presents Mr. Cliff Brandt with the DoD Distinguished Civilian Service Award during a November 7 ceremony at the Pentagon. The prestigious award is presented to a small number of civilian employees whose careers reflect exceptional devotion to duty and extremely significant contributions of broad scope in policy, scientific, technical, or administrative fields of endeavor that have led to increased effectiveness in the operation of DoD. Brandt relinquished responsibility as the product manager for the Small Unmanned Aircraft Systems (SUAS) product office in August 2012 and is currently Deputy Program Manager for the Long Endurance Multiintelligence Vehicle (LEMV) Product Office.

Stay Connected www.quad-a.org







Promotions

FY 2012 Colonel Promotion Board Results

The fiscal year 2012 Colonel, Army competitive category, selection board results were released Oct. 30, 2012. AAAA congratulates the following 41 Aviation lieutenant colonels on their selection.

S	е	q	#

Seq#	
158	Albus Christopher *
73	Applegate David R
86	Arata Nicholas D
4	Baker Gregory A
9	Bentley Erskine R
190	Brockhard Douglas *
123	Brown Timothy D *
68	Burns Michael F
26	Chronis Chris W
*118	Clark Steven B
166	Colbrook Mark A
59	Cote Courtney P
8	Craft Jason T
124	Cyrulik John M *
17	Dillon Brian E *
210	Gerblick Darren S
139	Gilbert Erik O *
46	Halverson Scott J *
99	Herrera Salome Jr *

Hinck John M 72 194 Hines Kelly E * Hoff Bryan J* 116 138 Hopkins Woodard B * 165 Hosie Michael P Jones Monroe C + 71 48 Klaus Jay F * 80 Kliethermes Kenneth + 196 Kline John D * Lee Jong Hyuk * 51 Levine Mark S 136 175 McCurry Michael C * Rowell Thomas G 3 45 43 Smith John L * 20 Stiller Albert H * 64 Taylor William D + 214 Thompson Jeffery B 73 Tschida Carol M 115 Vanweelden Douglas Voneschenbach Thomas 81 88 Wagen Carey M 184 White Jeffrey W *

* = AAAA Member + = Life Member

Command Selection

CY 2013 USAR Battalion **Command Selection Board** Results

The calendar year 2013 lieutenant

colonel command selection board results were released Nov. 6. AAAA congratulates the following 5 Aviation officers selected for aviation commands.

Unit, Location, Date LTC Cecil Andrew D 1Bn 158 Av Rgt, Conroe TX 201307 LTC Daniels Lori L * 6Bn 52 Av Rgt, Los Alamitos CA 201307 LTC Jones Kit D 5Bn 159 Av Rgt, Ft Eustis VA 201305 LTC Milio Michael J 2Bn 228 Av Rgt, Horsham PA 201306 LTC Powers Kevin 2Bn 58 Av Rgt, Ft Rucker AL 201306

FY 2012 Major APL, AGR and **Non-AGR Promotion Board** Results

The fiscal year 2012 Major Active Guard Reserve and Non AGR and Army National Guard selection board results were released Nov. 8, 2012, AAAA congratulates the following 74 Aviation captains on

their selection.

Active Guard Reserve (AGR)

Seq# 81

Buck Amy C 24 Chalas Marisol A + *92 Chernecke Nathan T* *91 Stanley Adam C Williams Clinton S

Non-AGR and ARNG

Agbuya Rex C Austin Maynard A III Bakewell Kevan N Balog Marc S Beall Shannon R Bedia Juan M Jr 3 Bennett James E * Birmingham James A * Bromley Shawn A Cahill Michael D Carter Kevin F Casey Joseph C Chadwick William T 3 Christensen Michael J Davison Wesley W * Deforest Rebecca A * Docimo Bradley J * Duffy Jeremy J Dunn Stephen V Duran Milton X

Erickson Andrew T *



PEOPLE ON THE MOVE

Escobar Timothy J * Evilsizor Joshua T Feyk Ian J Flynn Justin H Geffert John M Gervais Rodney R Goss Patrik W Grant Kevin J Green Timothy A Guilbeau Brian P Hecox Heidi Y High Christopher R Horstman Jeremy D Hughes Allison M * Ivanco Thomas G Jeansonne Andre P Jenkins Joseph J Kaufman Shawn R Larsen Douglas A Lauridsen Steven P Lindsey Cory B Lisowski Ryan M Lotze Andrew K Madden Bryan C * Marcato Paul C Maynard Keith L McCormick Troy R * McDarmont James D* Miller Todd R Miroddi Scott D Morrow Stephen D Neveau Charles A Rota Njord A Snow Ándres G II * Speeckaert Edward P Speegle Clinton T Sullivan Ashley C * Thorne Lucas K Toepke Joseph A * Torres Joseph A Tumidolsky Paul J Vanoosten Christopher J Vorse Brian S Ward Clinton T Ward Paul J Weddle Aaron S * Westmoreland Patrick N Zerbe Timothy M *

Warrant Officer Selection

Warrant Officer Candidate Course Selections

120 enlisted members of the Army and sister services have been selected to attend the Warrant Officer Candidate Course at Fort Rucker, AL. The candidates were selected for the initial phase of the Army's warrant officer appointment program by a board that met at Fort Knox, KY in mid-July. Candidates who successfully complete the sixweek course at Fort Rucker will be conditionally appointed as Army

warrant officers, grade WO1. The appointments become permanent upon successful completion of specialty training and certification at a branch service school. AAAA congratulates the following 8 service members on their selection for Aviation-related warrant officer training:

150A (Air Traffic and Air Space Management Tech)

SSG Crystal Carrington SSG Joseph Rodriguez

151A (Aviation Maintenance Tech)

SSG Francis Bagley SFC Jason Barrett * SFC Juan Bonilla SSG Gordon Burton SFC Everett Colby * SSG Michael Joseph

Flight School Graduations

AAAA congratulates the following officers graduating from the Initial Entry Rotary Wing (IERW) courses at the U.S. Army Aviation Center of Excellence, Fort Rucker, AL. AAAA provides standard aviator wings to all graduates and sterling silver aviator wings to the distinguished graduates of each flight class.

39 Officers, November 2

AH-64D Track

WO1 Daniel Beckman - DG LT Keith E. Kraker * - DG WO1 Cody M. Grave - HG LT Timothy G. Santos, Jr. - HG WO1 Carl F. Baughman LT Neal Cavanaugh WO1 Sean M. Deeds WO1 Richard E. DeVault LT Joshua C. Grier * LT Daniel C. Hanks WO1 Joseph Hazlett CPT Megan S. Howell LT Evan D. Hoyt * LT Matthew Huff * LT Andrew D. Mack WO1 Steven W. Pratt WO1 Jeremy Reynolds CW2 Lee M. Smith WO1 Alexander L. Tibben WO1 David M. Tice WO1 Dustin R. Vint

CH-47F Track

LTSpencer R. Feliciano-Lyons* – DG CW2 Isaiah N. Walters – DG WO1 Tyler A. Nixon LT Bryan Pulicari WO1 Scott L. Skilbred WO1 Anthony J. Wozniak LT Dustin M. Yates *

UH-60M Track

LT Craig J. Hunninghake * - DG
LT Kyle R. Jensen * - HG
LT Brian R. Baker *
WO1 Wesley R. Curry
LT Daniel J. Gruentstern
LT Robert J. Hess *
LT Robert A. Humphrey *
LT Russell E. Mixon
WO1 Andrew J. Montgomery *
LT Robert C. Sprague
LT Samantha R. Wright

70 Officers, November 14

AH-64D Track

LT Seth W. Shook - DG WO1 Kevin R. Smith - DG WO1 Bryce S. Curtis - HG LT Quinton J. Fenley - HG LT James O.Bailey LT Scott E. Betancourt * WO1 Michael B. Blunk WO1 Ian A. Corbin-Deutsch LT Derek DuHoux * LT Michael D. Eoute * LT Corrine R. Georgas WO1 Michael D. Harms LT Joshua Harriman LT Cody Hill **CPT Christopher Hopkins** WO1 Joshua M. Lyon WO1 Justan Meyer LT Jeremy Miller WO1 James Morter WO1 Aaron Moss LT Christopher W. Nickelson * WO1 Richard L. Sattro LT Thomas J. Westall *

CH-47D Track

WO1 Ladson L. Berry * – DG LT Sarah N. Brennan WO1 Daniel J. Cruz * WO1 John D. Cutrell LT Manuel A. Ledezma Vera * WO1 Christopher T. Pavelka

OH-58D/R Track

WO1 Michael J. Gelsominio – DG
LT Johnathan L. Zordell – DG
LT Omar M. Alens, Jr.
LT Kevin R. Bennett *
LT Christopher Dudley *
WO1 Justin A. Fry
LT Marc D. Fryt *
WO1 Dusty Hodges
LT Christopher T. McMahon *
WO1 Brett E. Sharp
WO1 Devin R. Ullrich

UH-60 Track

LT Bernard A. Hainen – DG WO1 Ryan T. Vulcan – DG WO1 Joseph Crandall – HG LT Daniel F. Huckaby * – HG LT Mark A. Anderson * WO1 Joseph R. Billings LT David A. Donell WO1 Hansel Duran LT Daniel L. Garcia * CW2 Christopher M. Gasser WO1 Anthony Impastato CPT Brandon J. Lemley WO1 Nathan Mack LT Ryan C. Martin * WO1 Andrew G. McCollum LT Michael T. McCullough * WO1 Marc Miller LT Aloma Moncrief LT Stacie M. Roberts WO1 Thomas Robey WO1 Hoang Tran LT Michael D. Verdun *

UH-60M Track

LT Robert A. Kirkwood * - DG WO1 Jerry L. Leehy III - DG LT Albert P. Alston * WO1 Cyrus Brissette WO1 Aaron L. Cartwright LT Paul T. Merklinger * LT Glory O'Neil LT Michael Ruiz *

36 Officers, November 29

UH-60 Track

WO1 William R. Pollock * - DG LT Derek D. Zulkoski - DG LT Sonny Fong – **HG** WO1 Jeremy J. Noble – **HG** WO1 Justin C. Walker – **HG** WO1 Justin K. Baker * WO1 Nicholas A. Cassin * WO1 Daniel J. Fitzner LT Patrick J. Garcia * WO1 Tristan B. Gates WO1 Jordan T. Glasner LT Emeline A. Hood ' WO1 Oleg Krokhmal WO1 John G. Linn WO1 Adam M. Ochoa WO1 Anthony C. Picanso LT Daniel S. Roberts WO1 Charles W. Schieffer LT Juan C. Silva-Santiago WO1 Robert G. Veach LT Abram J. Wathen * LT David A. Wickman * LT Kenneth Wigboldy * WO1 Matthew B. Worley WO1 Kyle A. Zimmerman

UH-60M Track

WO1 Jacob C. Finn – DG
LT Caroline Spencer * – DG
LT Matthew C. Belanger *
LT Samuel R. Calvert *
WO1 John G. McElwee *
LT Matthew S. Ingerson *
LT Austin T. Moore *
LT Eric J. Solomon *
LT Timothy M. Wagner
WO1 Brian R. White
WO1 Adrian G. Wilbert

DG = Distinguished Graduate HG = Honor Graduate * = AAAA Member

+ = Life Member



UAS School Graduations

TACTICAL UAS OPERATIONS TECHNICIAN

AAAA congratulates the following warrant officer graduates of the Tactical Unmanned Aircraft Systems Operations Technician Course, MOS 150U, at Fort Huachuca, AZ.

7 Graduates, November 30, 2012

CW2 Scott E. Dozier - HG WO1 Raymond E. Balance CW4 Robert E. Gordon * WO1 James M. Lollar WO1 James C. Raimond CW2 David E. Stone CW4 Samuel C. Worlev *

UAS OPERATOR

AAAA congratulates the following graduates of the Unmanned Aircraft Systems Operator Course, MOS 15W, at Fort Huachuca, AZ.

Shadow UAS Operator Course Class: 12-029/030/031 49 Graduates, November 19, 2012

PFC Jason T. Bergeron - HG PFC Cody P. Blood - HG SPC Shane A. Hendrix - HG PV2 Steven T. Anderson PFC Austin G. Bentz

PFC Jonathan R. Brunson PV2 Chantae C. Butler PFC Adam J. Cardello PV2 Anthony E. Carter PFC Nicholas B. Cedeno PFC Trevor L. Coleman SGT Scott D. Colley SPC Joel B. Cornell PV2 Alex M. Curry PVT Wesley S. Dean PFC Michael J. Delgado PV2 Spencer G. Denny SPC Kevin Gonzalez PFC Michael E. Grider PV2 Joshua L. Grisby PFC Andrew B. Hopkins PFC Steven C. Huffman PFC Jeran M. Jenks PFC Stephen M. Johnson PFC Jay J. Lee SPC Robert J. Light PV2 Andrew J. May

SPC Brett P. Metivier

PFC Michael J. Mullen PV2 Peter J. Nelson PFC Alec D. Perigen PFC Clinton D. Pinnel

PFC George Perdomo PFC Antonio J. Ramos PFC James E. Robinson

PV2 Jesse R. Sims SPC Cody F. Smith SPC Karl C. Stark PFC Preston T. Shupe

PFC Christian C. Snow PFC Matthew S. Solbach PV2 Eric M. Strubhar PFC Evan A. Strubinger PFC Zachary K. Sweet PV2 Jonathan M. Vahev PFC Jeremiah J. Vang PFC Travis H. Williamson PV2 Jonathan A. Wrenn PV2 Anthony A. Young

Gray Eagle UAS Operator Course Phase 2 16 Graduates, November 16,

2012 SPC Robert C. Gosselin - HG PFC Tre M. Baity PFC Marcus A. Barnes PV2 Kenneth U. Burger PVT Zackery S. Bennett PFC Justin C. Buschow PV2 Jason A. Chick PVT Austin C. Eckholm PFC Stephon L. Green PFC Adrian M. Hillsman PFC Antoine J. Myles PVT Rodney C. Paris PV2 Filiberto Pilichi PVT Nicholas R. Poole

Gray Eagle UAS Operator Course Phase 3

PVT Jacob W. Winternheimer

PFC Demond Stith

11 Graduates, November 8, 2012 SSG Richard P. Whitfield - HG SSG Troy A. Capehart PFC Ashley J. Cardenas SSG Ryan M. Carroll SSG Steven E. Clemons SGT Michael R. Colvin SGT Christopher J. Dankowski

SGT Kevin C. King SFC Kelly D. Oswalt SGT Ryan J. Pulley SGT Travis J. Raamot

UAS REPAIRER

AAAA congratulates the following Army graduates of the Unmanned Aircraft Systems Repairer Course, MOS 15E, at Fort Huachuca, AZ.

Shadow UAS Repairer Course Class: 12-067/068 11 Graduates, November 6, 2012 PFC David J. Brady - HG

PFC Patrick M. Bauer PVT Aubrey L. Boutwell SSG Timothy D. Callahan PV2 Dustin K. Hale PFC Edwin A. Hendrickson II SSG Jeremy M. Kuryla SPC Thomas J. Miller SSG Michael M. Plummer PFC Travis W. Seager PFC David J. Westphal

Shadow UAS Repairer Course Class: 12-069

9 Graduates, November 21, 2012 SSG Scott A. Basel SSG John T. Clement SSG David W. Keener * PFC Beniamin Milian-Ortiz PFC Don T. Neblett SPC Charles Porter SPC Raynell Rivera SSG William D. Romanoff, Jr.

* = AAAA Member + = Life Member HG = Honor Graduate

SFC Levi Vazguez

CCAD Launches Its Own App

By Enrique Gonzales, CCAD PAO

Corpus Christi Army Depot (CCAD), Corpus Christi, TX, launched its own mobile application (app) to put the latest news and information, including job openings, in the public's hands. Released just this month, users can download this free app on their handheld devices, to include Apple and Android products. CCAD's Public Affairs Division created the app which includes news videos every week and a pocket-sized edition of their monthly news periodical, The Aircraftsman. Users also have access to the entire story of CCAD's 51-year history, over 100 photographs, its latest annual report, official website and social media accounts on Facebook, Flickr and YouTube. Users can also find job announcements for the federal installation. The app is an authorized official application created and maintained by the CCAD Public Affairs Office that collects all of CCAD's public released digital media in one location and makes it viewable on your mobile device. Contents are not necessarily the official view of, nor endorsed by, the U.S. Government, the Department of Defense (DoD) or the Department of the Army (DA).



Enrique "Leo" Gonzales is the protocol officer for Corpus Christi Army Depot, TX and a U.S. Army Veteran.

ORDER OF ST. MICHAEL and OUR LADY OF LORETO AWARDS

Prairie Soldier Chapter



LTC Kevin L. Bricker, former commander of the 1st Battalion, 376th Aviation Regiment, Nebraska Army National Guard, is inducted into the Bronze Honorable Order of St. Michael by Prairie Soldier Chapter president, current battalion commander, and State Army Aviation Officer, LTC Richard A. Gray (background), assisted by the director of the Joint Staff for the state of Nebraska, BG Scott A. Gronewold (left). Bricker was recognized on July 12, 2012 during a ceremony at the Army Aviation Support Facility 2 in Grand Island, NE for his diligent efforts in re-establishing the Prairie Soldier chapter and for 25 years of dedicated aviation service. He will serve as the State Mobilization Readiness Officer in Lincoln, NE.



Bricker's wife, *Anita*, was inducted into the Honorable Order of Our Lady of Loreto in recognition of her integral support to the Prairie Soldier Chapter and ten years of dedicated service as a unit Family Readiness Group leader.



Prairie Chapter President, LTC Richard A. Gray (right), inducts **CSM Troy D. Johnson**, command sergeant major of the 1st Bn.,

376th Avn. Regt., NEARNG, into the Bronze Honorable Order of St. Michael during a ceremony on July 12, 2012 at the AASF#2, Grand Island, NE. Johnson was recognized on the occasion of his change of duty to command sergeant major of the 92nd Troop Command in Lincoln, NE for serving several years as the Chapter VP for Enlisted Affairs and almost three decades of service in Army Aviation.



LTC George B. Harris, former commander of the 1st Bn., 376th Avn. Regt., NEARNG, is inducted into the Bronze Honorable Order of St. Michael by chapter president, LTC Richard A. Gray, during a September 18th ceremony in Lincoln, NE. Harris was recognized for his service as the Prairie Soldier Chapter Senior VP and 24 years of dedicated service to Army National Guard and Aviation on the occasion of his departure to assume command of Task Force Raven, the Arizona National Guard Counter Drug Program.

Tennessee Valley Chapter



COL Norbert E. "Bert" Vergez, outgoing project manager of the Non-Standard Rotary Wing Project Management Office (NSRWPMO), is inducted into the Silver Honorable Order of St. Michael by MG William T. "Tim" Crosby, Program Executive Officer, Aviation, and Tennessee Valley Chapter president, Mr. Gary Nenninger, during his retirement ceremony, November 16, in the Bob Jones Auditorium, Redstone Arsenal, AL. Vergez was recognized for his outstanding accomplishments as the first project manager for the NSRWPMO and more than 25 years of dedicated aviation service.





His wife, *Gail*, was also recognized by her induction into the Honorable Order of Our Lady of Loreto for her dedicated support to the Army Aviation community and her husband throughout their years of service. They will remain in the Huntsville area.

Voodoo Chapter



CSM Ricky Griffin, outgoing command sergeant major of the 204th Theater Airfield Operations Group, Louisiana ARNG is inducted into the Bronze Honorable Order of St. Michael by State Army Aviation Officer, COL Patrick R. Bossetta (left), and Voodoo Chapter Treasurer, CSM Kenneth R. Wagner during a change of responsibility and retirement ceremony, October 13, at the readiness center in Hammond, LA. Griffin was recognized for over 40 years of service to Army Aviation with more than 2,500 accident free hours as a crew chief, including 460-plus combat flying hours.



His wife, *Gina*, was also inducted into the Honorable Order of Our Lady of Loreto for her more than 17 years of direct involvement with Family Readiness and dedicated support to the Army Aviation community.

Results of the National Election

Following the elections on November 6, although there were some significant changes in terms of individual members, largely there is little change in the composition of either the Senate or the House of Representatives as they move to the 113th Session of Congress.

In the Senate the current count following the election stands at 53 Democrats, 45 Republicans and 2 Independents leaving the Democrats with a net gain of two seats and continuing their majority.

The Republican Party continues with a majority in the House of Representatives with 234 seats compared to the 201 on the Democratic side of the House.

The Democrats managed to gain an additional seven seats compared to the last election in 2010.

Significant changes in the Senate Armed Services Committee (SASC) include the departure of Senators Joseph Lieberman (CT), Ben Nelson (NE), Daniel Akaka (HI), Jim Webb (VA) and Scott Brown (MA).

Senator Lieberman, who is also the chairman of the Senate Homeland Security and Governmental Affairs Committee, retires after serving since 1988.

Senator Carl Levin (MI) will remain the Chairman of the SASC and Senator John McCain (AZ) is currently term limited as the ranking Republican member.

Senator McCain could petition to remain as the ranking member but he has not done so as of this writing.

The Senate Appropriations Committee (SAC) and Defense Subcommittee will see the departure of Senator Kay Bailey Hutchison (TX) as she retires having served since 1993.

Additional departures from the SAC include Senators Herb Kohl (WI) and Ben Nelson (NE). Senator Thad Cochran (MS) finds himself in a similar position as Senator McCain and must step down as the ranking member of the SAC due to term limits.

In the House Armed Services Committee (HASC), departures included several members of the Army Aviation Caucus to include Co-Chairman Representative Mark Critz, and members Allen West (FL), and Roscoe Bartlett (MD).

Additional HASC departures include Representatives Silvestre Reyes (TX),



Todd Akin (MO), Todd Platts (PA), Bobby Schilling (IL) Betty Sutton (OH), Kathleen Hochul (NJ), and Larry Kissell (NC).

On the House Appropriations Committee (HAC) Rep. Norm Dicks (WA) the ranking minority member, will depart after his retirement as well as Representatives Jerry Lewis (CA), Maurice Hinchey (NY) and Steve Rothman (D) all of whom are retiring.

Rep. Marcy Kaptur (OH) and Rep. Nita Lowey (NY) are seen as the leading candidates to assume the ranking member position vacated by Dicks.

Defense Appropriations Subcommittee Chairman Bill Young (FL) had previously reached his term limits as the ranking member on the committee and must now again apply for a waiver as he did during the previous session.

Sequestration Update

As of this writing, there are 12 scheduled legislative days during the "lame duck" session of Congress.

During this period, Congress must enact an amendment to the Budget Control Act of 2011 to avoid the corresponding immediate funding cuts under Sequestration that will be made effective on January 2, 2013.

The likely reason for inaction on the part of the "lame duck" Congress will be due to the fact that there is already a Continuing Resolution Authority (CRA) that remains in place until late March 2013.

With the CRA in effect, it is highly unlikely there will be any action on appropriations bills with the exception of the Defense Authorization Act for 2013.

The Senate, although finished marking their version of the bill, just recently started to show interest in bringing this to a vote before the end of the session.

This effort is being led by Senator Harry Reid (NV) who will introduce the bill and both the majority and minority leads, Senators Levin and McCain, want to get it

passed as quickly as possible as well.

Senator Rand Paul (KY) is currently threatening to filibuster the Defense Authorization Act unless he gets a vote affirming the Sixth Amendment of the Constitution and the indefinite detention of U.S. citizens.

His amendment would provide for a fair trial by jury for those U.S. citizens detained under the Uniformed Code of Military Justice.

If there is no action by the Senate prior to recess it will be the first time in over half a century that a Defense Authorization Act has not been passed within the current session year preceding the year of the act.

Veterans Benefit Bill Passed By Senate

On November 12, the Senate passed the Veterans Benefit Bill which had been widely championed by many Veterans' groups to include The Military Coalition (TMC).

This bill will provide Veterans and their survivors a 1.7% increase in their benefit entitlements once signed by the President.

As reported previously, the House passed their version of the bill in July but the vote in the Senate had been delayed due to the election recess and review by the members.

Senator Patty Murray (WA) had been a staunch supporter of this bill which served as her last official act as the Senate Veteran's Affairs Committee Chairwoman.

As posted on her website, "A costof-living increase for our veterans is well deserved; particularly in this difficult economy, our veterans deserve a boost in their benefits to help make ends meet."

Senator Murray will depart to become the Chairwoman for the Senate Budget Committee but will remain on the VA Panel. Her replacement is Senator Bernie Sanders (VT) who has served on the committee for the past six years and is considered an ardent supporter of Veteran's issues.



New Members November

Aloha Chapter SPC Luda Zhang SPC Yingyue Zuh CW2 Jacob Zumbrunnen **Aviation Center Chapter** MAJ Dennis Arroyo CW3 Joseph John Bauer WO1 Michael W. Benites 2LT Peter J. Blickhahn 2I T Kevin Bubolz SSG Mark E. Buhl 2LT Matthew W. Carter 1LT Roushel T. Cousin WO1 Andrew J. Dillon WO1 Scott C. Dubay CPT Thomas J. Eigel, Jr. 2LT Hiram A. FigueroaCruz 2LT Robert B. Forney 2LT Mark H. Freeman WO1 Christopher C. French 2LT James A. Garvey CPT Robin E. Goddard CW2 Justin H. Green 2LT David A. Hall 2LT Shaye L. Haver WO1 Justin W. Hill CPT Richard W. Hilliard 2LT Jonathon T. Hingey 2LT Kyle W. Hodgson 2LT Gregory M. Hurlock Ms. Lisa K. Jewett CPT Alan P. Johnson 2LT Joseph D. Kogut WO1 Bo B. Lamar LTC Steven M. Layman CPT Lisa M. Livingston 2LT Andrew A. Maher, Jr. WO1 John G McElwee CSM Paul W. McGrew WO1 Rvan R. Munsterman 2LT Cody J. Murtle WO1 Christopher D. Nelson 1LT Tyler O. Pack 2LT Katlyn C. Pearsall 2LT Jacob M. Peek 1SG Scott A. Pittman 2LT Sean B. Poyner 2LT James D. Reevs 2LT Robert P Rouillard 2LT Matthew P. Sandoval WO1 Eric R. Santiago 2LT Ryan L. Silver LTC David L. Soergel 2LT Robert J. Spaulding 2LT Jared R. Varney WO1 Casey B. Wilcoxon WO1 John S. Worth LTC Marie N. Wright Central Florida Chapter LTC Thomas Rountree, Ret. 1LT Terry Thornton COL Calvin B. Wimbish Colonial Virginia Chapter CPT Clarence M Blackburn CPT Charles W. Dickhart CW2 Mitchell John Higgins **Connecticut Chapter** Peter Kuring Corpus Christi Chapter Brenda R. Rojas Cowboy Chapter SGT John A Barnes SSG Ricky E. Bartlett II SPC Gregory C. Burke

SPC Kimberly N. Cardona SGT Justin K. Carricato SPC Matthew J. Connary SGT Brian P. Davis SPC Brandon P. Duggan SPC Adam M. Goble SPC Matthew F. Hastert SPC Richard A. Huff SGT Jordan A. Jones CPT Javier Jaime Lonez SPC Michael J. Matter SPC Darrell A. Mora. Jr. SPC Richard P. Morales SGT Nicholas JW Morrison SPC Sehou E. Nounawon SPC Christopher Olmstead SPC Derek J. Smith SSG Dustyn M. Turk SGT Stephen C. Walters SPC Gary N. Webster **Delaware Valley Chapter** Peter Vanzino Flying Tigers Chapter CW4 Terry L Heilman Andrew Kupersmith LTC Craig S Wagoner, Sr. **Greater Atlanta Chapter** CW4 William E. Lovett III **Greater Chicago Chapter** CW2 Christian Lakars **Griffin Chapter** SGT Michael J. Agnone Jr. CW2 Andrew Allred SPC Adam M.Anderson SGT Jaron T. Armstrong SPC Neftali Arroyo SSG Matthew Ashmead SPC Kevin Ryan Attebery SGT Edgar Avilaserrano SPC Kristin A. Bacus CW4 Ian Ballard PFC Tyler Oscar Barbour SPC Schuyler Barnhart SFC Kevin Winston Barratt CW2 Patrick Bartell PFC Michael J. Barton SSG Aaron Harry Bastian CW2 Galen Beem SSG Eric Edward Bemoll SPC Christopher Bernhardt SPC Myron A. Bisconer SPC Daniel Bishop PFC James A. Blackwell SGT Jerrell Blaylock PFC Kristine Blydenburgh SGT James Boehm 1LT Cassie Bonadeo SGT Rose M Bonillacancel 1SG Brian Booth SPC Felicia Marie Borg SGT Steven James Borg SPC Alex Borja SSG Lloyd D. Borthwick SPC John L. Breedlove SGT Kendall D. Bridgett SFC Farmarris K. Briggs CW2 Eric Brown SFC Keith Brown CW2 Michael Bryan SPC Shawn Bryant CW2 Christopher Budge

SPC John Cahill PFC Ruben Calzada PFC Maygan N. Campbell SFC Justin A. Carter SPC Victor Hugo Chaidez SGT Matthew Chapman PFC Jared R.Charles PFC Justin E. Childers SSG Jason Cintron SGT Marcus Cipollone SGT Timothy Lynn Claflin SGT Leroy Clark, Jr. SPC Curtis Aaron Clawson CW2 Steve Coker SPC Jimmy Collins SPC Matthew C.Cook SPC Nathan Cook PFC Brandon Cramm SPC Christopher Croze 1SG Terry L. Curnutt, Sr. SGT Dominique Curry SSG Jimerion Daniels SPC Nathan Daniels SFC Branden Davenport PFC Adam Lee Davis SGT Darryl Davis, II SPC Lee Michael Davis SGT Timothy Robert Davis 1LT Alexander De Rosa SPC Justin Donovan Dean PFC William R.Degroot PFC Andrew Dekarski SPC Sean M. Delany SGT Jarrod Allan Denton SSG Ramon Luis Diazsoto SPC William J. Dickson CW2 Bartlett Dieball SGT Montrel O. Dillingham PFC Joshua Aaron Dingus SPC Limek Abraham Dipp CW2 Jaymes Dressell CW5 Mark Louis Duplessie SPC Dillon Fads SPC Justin Michael Edge SPC Harold Kevin Edguid SPC James Ellison SPC Francoise Lapira Erni SPC Jerry Ferdin Estrada SPC Jeremy R. Etheridge PFC Mark Richard Evans CW3 Karlo Felix SPC Jose Antoni Fernandezcontes SPC Mitchell Alan Finn SPC Gabriel H. Fish SSG Nathan A Fleischaker SFC Harold Fleming SFC Michael E. Flynn CW3 Kelley Foltyn CW3 Andrew Foreman SPC Matthew Fortun PFC David Devair Fowler PFC Francis Ian Fox SPC Dustin Allen Freese SGT Lonnie E. Friend SGT Javier Omar Fuentes SSG Daniel Fullerton CW2 Blake Gailey SPC Robert Galicia SPC Eric Galvan SPC Alejandro Garrido Jr. SGT Joseph Julian Gary CPT Thomas Giamei PFC Frank John Giaquinto SSG Thomas Kent Giles

SPC Robert Charles Gipe CPL William A. Gladden SPC Charles N. Glover SFC David Gonzales SPC Tinamarie Gonzales PFC Hector Luis Gonzalez PFC Kevin Goroztieta 1LT Sarah Goudreau SPC Michael J Graff SFC Kenneth M. Gray SSG Stephen Corry Gross SPC Nikolay Guerguinov SPC Ronel Bale Guerrero SGT Ryan Hadfield SPC Robert B. Hairston PFC Anthony Hall SPC Charles Anthony Hall SPC Ryan Halsey SPC David P. Hampton CW3 Brian Harmes SGT Shaun M. Harper SGT Johnathon Harrison PFC Jean Howard Hart CW2 Tyler Hartsock SPC Joshua R. Haugh PFC James S Haves SSG Adam C. Heath SSG Samuel Ray Hensley CW3 Terrill Herréra SPC Felicia Hillis SPC Tristan Michael Hoak SSG Joseph R Hogue SPC Michael O. Holgate SPC Wesley Holm PFC Ian Calhoun Hoppe SPC Mitchell Hough CPT Kandy N. Hubbard SPC Chad W Hug SPC Douglas Humphrey 1LT Samuel Hutchinson CW3 Jerry Franklin Irick PFC Russell Whit Ivey SPC Quentin Jackson SPC Kyle Jacobs SPC Kenneth A. Jagroop SSG Keith Jenkins SPC Alan J. Jensen SSG Sandra G Jimenez PFC James E. Johnson SPC Austin Paul Johnston SPC Robin Dale Johnston MAJ Bryan C. Jones PFC Issac Adam Jones SSG Justin Michael Jones SGT Keith Hosea Jones SFC Shawn Jones SSG Luis Alberto Joseph SSG Mark Daniel Judd SGT Roberta I Kahl SFC Reubon Kelly SPC William Keville PFC Nicholas Key SPC Rajendra P. Khadka CPT Matthew D. Killoran SPC David K. Kimuge SGT Michael Dean Klein SPC Christopher Klingner 1LT Bryant Knef SGT Mitchell William Kress PFC Shaun Kress CPT William Todd Kuebler SPC Sean D. Lackey CPT John Lane SSG Lamar M Ledoux SSG Lindsey Lee SPC Michael Lee SFC Robin Lennon

SPC Eric F Lentz MAJ Mark Levine CW2 Daniel Lewis, Jr. PFC Jordan Lheureux SGT Daniel R Liberty CW3 Jonathan Licuanan CW2 Shawn D. Linnean SSG Steven R Littlefield PFC William Edmond Long SPC Zachery Allen Long SGT Andrew Lopez PFC Mauricio Lopez PFC Benjamin M. Lord SGT Louquain Loud SPC Patrick Lyons SPC Jessica Machado SPC Theodore F Magnus CW2 Marco Mansueto SSG Crystal M. Marheine SPC Areyana Marquez SPC Enrique J. Marquez SGT Archie Lavan Martin SPC Dustin Martin SPC Jacob Martin SPC Krystal M Martin SGT Ernie Jr Martinez SSG Cory G. Mathis SPC Mykeshia Mathis CW2 Jerome Matthews **CPL Timothy Matthews** PFC Jonathan M. Matula SGT Monty Ray McCaskill SPC Jessica L. McClung SFC Donald P. McClure PFC Steven T. McMahon SPC Travis McNiven SPC Adam Mehay SFC Nemesio Melendez CW2 Travis R. Michael SPC Abhishek Midturi SPC Christopher D. Miller SFC Timothy Alan Miller PFC Zachary Allen Mis PFC W. Molinaromo CW2 Henry Moore SPC Harold Morales SGT William M. Morgera PFC Sunnie Morton PFC Michael J. Mosher PFC James Muirhead SPC Kyle Edward Mundell SPC Eric Jermain Murray SGT Kevin D. Newton CW2 David Nieves PFC Danielle Noah SPC Marvin S Nobles CW3 Ryan Nowaczck SPC Tyler Jerel Nunez SPC Samuel Ofarrilortiz SGT Kevin O'Hara CPT Katheryn Okonsky SSG Gabriel E. Olivas PFC Mason Olshove SPC Berry Eugene Owens CPL Petros Palamaras MAJ Daniel Palmer SPC N. Paralejas-Grijalva PFC Michael G. Parker SPC Airica Lashay Parks SFC Nathan M. Parmentier PFC John Patton SPC Peo Paulo, Jr. SGT Anthony R. Pawlisz CPT David Pease SSG James B. Pedersen **CPL Michael Perez** PFC Stephanie J. Perez

PFC Kyle Peterson 1LT Jeffrey R Piazza SGT Charles Pomelear SPC Aaron Powers SPC Devin Radtke SPC Justin Gregory Ream SPC Michael Redd SGT Sarah M. Rettmann SGT Kevin Michael Rex SPC Fernando Reynoso SGT Jeremiah Rich SGT Derrick J. Richardson PFC Kaleb T. Richardson CW3 Robert Rijkse SPC Blake Ringer SGT Bryan Rios PFC Jesse Lee Rivenbark SPC Bryan Riviera CW3 Jesus Rocha SPC Matthew Rocha SPC Edward Rodriguez 1SG Jose A. Rodriguez SGT Markos Rodriguez SGT Alex Rosadoaponte PFC Errik Robert Rose SPC Daniel J. Ross SPC Justin Travis Ross PV2 Miguel Angel Salas SPC Andrew Sales CW4 German G. Sanchez SPC Corey Allan Sanders SGT Jesse R Sandhorst PFC Brian Sawver PFC Mary Sawyer CPT Colleen Schoenfeld CPT Kenneth Schoonover CW3 Keith R. Schreurs SSG Curtis K. Seegars SGT Timothy G. Segars SSG Levi Sena SPC Nicholas A. Setzer 1LT Heather Severt SPC Sean John Sharp CW4 Paul Sherry PFC Brandon L. Shorter SSG Kyle Harrison Slotta PFC Demetrius R. Smith SPC Kevin Michael Smith 1LT Kimberly Smith SFC Lissette P. Smith SGT Terry Lawrence Smith CW2 Tom Smith PFC Klara Zazie Soros SPC Tyler Sprague MAJ Scott Spurrier SPC Nathan Stark PFC Marshall A. Stevens SPC Brandon Stevenson PFC John Wilton Stewman SSG Cody Stickman PFC William R Stoneham SSG Chad Streeter PFC Thomas Alton Stretch PFC Stephen Strickland SGT Aaron Sullivan SPC Lorna Gene Swan SSG Jason L. Tabansky SGT Michael Tate CW2 Dominic Tatro CW2 Donald J. Taylor PFC Robert Cole Taylor SSG Eric Teschner 1SG David Wayne Teston SSG Shontal Thompson SPC Stephen Thurston II SPC Shawn Tompkins SPC Carlos Noe Topete

SGT Sully Adaly Burgos

SPC Nicholas Cady

SPC Johndevin S. Butters

CW4 Sean C. Gilland

SPC Heather Beth Gilmor

A.A.A.: Supporting the U.S. Army Aviation Soldier and Family

SPC David Thomas Olson

MAJ Daniel Rae Omeara

CW4 John Farrell Otremba

SGT William James Pace

SSG Joshua E. Olson

SFC Rafael Torres **CPT Kendz Toussaint** PFC Luis Alberto Triana CPT Brian Mark Tung SPC Mark Andrew Vader SPC Michael Vanauker SPC Jose D Vargas SGT Kenneth B. Villegas SPC David W Vincent SGT Ryan Vredenburg PFC Ryan Edward Walker CW2 Robert J. Walthall CW5 Tom Walton SGT Robert R. Warner SPC Garrett Waterman PFC Rolandin Webster 1LT Gregory T Wellman SPC James Westley CW2 Joshua Wheeler CPL Michael Alma White CW2 Kevin Wikstrom CW2 Huralises C. Williams PFC Michael Williams SGT Edwin Stanley Willner SSG Antwan M. Wilmont CW2 Dustin Wilson CW2 Nikita Wilson SSG Geoffrey Winsbro SGT Wyley Lee Wright CPT Amoreena York SSG Jacob A.Zimmerman Idaho Snake River Chapter CAPT Brian N. Willett, Ret Iron Mike Chapter MAJ Brad Bertinot SGT Samantha M.Flagler Jack H. Dibrell/Alamo Chapter SPC Whitney Nowlin Jimmy Doolittle Chapter SPC Michael T. Aycock SPC Graham W. Gilstrap SGT Migdalia Velez Keystone Chapter Ms. Jennifer E. Canfield MacArthur Chapter SFC Gerald E. Babor. Ret. SPC Stanley Loskocinski SSG Carl J. Vecchio Magnolia Chapter Mr. Joel L Smith 1LT Christopher E White SGT Donovan B. Whitfield Michigan Great Lakes Chapter Sam Conde SGT Branden J. Czarnecki WO1 Jason Eric Lellis CPT Michael J. Line CW4 Bobby D. Prater Mid-Atlantic Chapter SPC Bryce E. Behymer CW2 Werther Bentine-Torres James F Chanoski CW2 Justin T. Evans CW4 Patrick D. Fallon LT William A. Hamilton, Ret SFC Demetris L. Luck SPC R. Melendez-Amaya MSG Thomas J. Suraci Jr. 1LT Nicholas W. Temple SPC jesse T. Walk CW3 Jeremy R. Williams Morning Calm Chapter LTC Prescott Farris CW2 Marvin Nell Frazier II

Mount Rainier Chapter CW4 Paul Dulfer North Country Chapter LTC Michael S. McFadden North Star Chapter SGT Benjamin Ackerman CW4 Paul T. Adamson SGT Brendan J. Anderson SSG Daniel D. Anderson SGT Michael D. Armesto. SPC Keith Robert Bailey SFC Craig Thomas Berre SGT Chad T. Bosworth SPC Michael A Brown WO1 Lucas Lee Buttke PFC Justin Allen Carter CW2 Aaron R. Caswell SGT William Bryan Cathey SSG Jeremy Lee Coudron CW2 Ryan C. Czarnetzki SPC Kenny Delapenabolano SPC Amanda Marie Dietz SGT Josh Albert Duzan SGT Matthew V. Erickson SPC Tyler Kelby Erickson SPC Kristopher L. Farkas SGT Sandra Fredericksen SGT Cody John Gallmeier SPC Daniel C. Geurts WO1 Drue Logan Glaze SFC Emmy Lynn Glaze SGT Alexander S. Gliddon SPC Travis John Goerger SPC Brandon J. Goley SSG Rodolfo A. Gomez SSG Gregory A. Haley Jr. SFC Donnie Ray Hance 1LT Matthew D. Harmann SGT Marie C. Havrilla SPC Alexander T. Herme SPC Mathew E. Hilton PFC Sean R. Horness SFC Cassandra Houston SGT Matthew R. Howell SGT Anthony Hutchinson SFC David Erwin Ivers CW3 Joshua M. Jacobsen SFC Jeffrey Alan Johnson SPC Christopher Jordan CW3 Christopher B. Kelly SSG Bradley A. Kempner SGT Jeremy Dale Ketcher SGT Nickolas James Kizer SGT Josephine A. Kohls SGT Charles N. Koppen SGT Tara Ann Lamo PV2 Travis William Larsen SPC Dustin James Lauby SPC John F. Lawless CW3 Michael T. Lewis SPC Joseph S. Loescher SPC Adam James Lorig SGT Becky M. Loscheider SPC Cody G. Madden SSG Todd J. Martinez SGT Anthony E. Mastro SGT Larry Ray Maurer SGT Andrew J. McGillivray CW2 Jennifer Lea Merrill CW4 Roger A. Merrill CW2 Mitchel David Meyer SPC David A. Micheau SGT Kevin Moua SGT Adam J. Muilenburg SGT Nicquie Marie Neely SPC Jessica M Nohava SPC Gregory S. Oakland

SGT Eric John Papp WO1 Scott D. Peterson SGT Michael Roger Preus SGT Ronald Roy Ream SGT Michael S. Rehbein CW3 Ryan Roberts CW3 Scott J. Roberts SGT Reid Alan Ronning SGT Daniel Neil Schmitt SPC Jeffrey R. Schnier SSG Mark Schoephoerster SSG Robert E. Schuety SGT Neil Brandon Scott SPC Nathan Allen Skalicky CW2 Christopher A. Slavin SPC Brandon J. Stafford CW3 Daniel F. Stockinger SPC Lucas Anthony Theis SPC Adam Joseph Valeski PFC Abel A. Vantassel SSG Rvan C. Wagner SPC Nathanael L. Walker MAJ Mike W. Weaver SPC Kevin William Wood SSG Mark Aaron Wood SGT Anthony C. Yankovec North Texas Chapter CW5 Vance L. Barton, Ret. ISSG Greg Freeman CW2 Paul O'Farrell Northern Lights Chapter CPT Devin R. Bright CW4 Michael T. Mitchell Oregon Trail Chapter PFC Nicholas Grove SGT Justin J. Thomas CPT Sean Torgerson Phantom Corps Chapter CW3 Kelton T. Maynard CW4 Derek Muller Pikes Peak Chapter SPC Laurabeth Briggs CPL Rodney Briggs SFC Patrick Brooks SPC Terry Brown CW2 Luke Connolly CW4 Brent Cook SSG Christopher Cook CPT Tharon Cook CSM Keith Cooper SPC Enrique Correa CW4 Michael Corsaro SGT Leonardo Cortez **CPT James Cox** CW2 Paul Crandall SSG Generoso Cruzbullat 1LT Christopher Curran SGT Timothy Custard MAJ Nicholas Dall CPL Jessica Eggleston SPC Michael Elliott SPC Phillip Ellis PFC Ryan Emery SPC Ahmed Fadiga SPC Cesar Falcon SPC James Faust PFC Karla Felix 1LT Thomas Fieseler 1LT Robbie Flowers SSG Edward Fonseca SGT Rodrick Foreman SSG Casey Franks SPC Justin Frazier

AAAA Chapter News

Aviation Center Chapter



Over 500 runners of all ages showed up for the Army Aviation Association of America Aviation Center Chapter's 21st annual Chili 5K and Cook Off on November 3 at Fort Rucker, AL. Top male runner of the day was Dan Nix with a finish time of 16:17.3 and top female runner was Sarah Sterling with a finish time of 19:17.3. Best tasting chili went to Company D, 1st Battalion, 14th Aviation Regiment, "Team Apache," Best in Show went to the U.S. Army Aviation Center of Excellence Directorate of Training and Doctrine "Ground Zero" team, and the People's Choice award went to Headquarters and Headquarters Company, 1st Bn., 11th Avn. Regt., "Squared Away." The event was a huge success!

SPC Patrick Freeman SPC Samuel Gadd **CPT Travis Galloway** SSG Charles Gibbs SGT Davinderiit Gill CW2 Rickey Gillam CW4 Paul Glad 1SG Roger Godaire SPC Kenna Gordon SPC Fredrick Gransee CW3 John Gressard SPC Joshua Gruner PFC Jeremy Gutierrez SGT Ramon Gutierrez SSG Salvador Gutierrez SPC Richard Haeneke SPC Tycho Hailey PFC Darius Hamler CW2 Shawn Hansen SPC Mohammed Haq SGT Levy Hardwick 1LT James Hargus PV2 John Harrell SPC Charlie Harris SPC Cody Haskins SPC Matthew Hawkins SPC Stevhan Head SGT Chad Henning SPC Claude Hernandez SPC Joseph Hester SPC Felicia Himes SPC Carlos Hobbs CPT Douglas Holt 1LT Aaron Hooper 1LT Richard Horner CW2 Brian Howard CW3 Michah Howell SPC Shannon Huber SSG Clarence Hudson SPC Scott Ingle SPC Antonio Ingram SGT Jeffrey Ingram SSG Brody Ishmael

SPC Darius James SFC John James SPC Sung Jo SPC Ryan Johns PFC Holden Johnson SGT Nicholas Johnston SPC Robert Jones CW3 William Jones SFC Bridgett Joseph SPC Brandon Kantor CW3 Otis Kent SPC Kira Kerins SFC Shelly Kirkwilliams SGT Kenneth Kluge 2LT Mark Knoll SPC Michael Knowles SGT Ian Koletty SGT Michael Kondorf SGT Daniel Kreth 1LT Nicole Kruse CPT Morgan Laird SGT Michael Lamont PFC Kayci Landes SPC Bradley Latimer SPC Alexis Leigh CPL Dalton Lewis CW3 Keith Lightner SPC Taquaria Lindsey 1SG Brian Linford SGT Raul Madrid SPC Jose Manasala CW3 Richard Mangini SPC Hollis Manis SGT Jason Manley SGT James Marden CW2 Adolfo Martinez SSG Daniel Martinez CW3 Anthony Mattingly SGT Christopher Maxwell PFC Brandon Mayes SGT Jonathan Mazev SPC Matthew McAlpin SPC Ian McCallum SGT Kiki McComb SPC Kevin McCurley

SPC Kyle McGovern WO1 Sean McKay CPT Marvin McNair SPC Ross McPhee SGT Roxana Mehedinti SGT James Mevers SGT Andrew Mills PFC Mohammed Minhai PFC Jose Molina SPC Anthony Molson SPC David Montano PFC Samuel Montano CW2 Christopher Moore SPC Michael Moore PFC Tauri Moore SPC Ashley Morehouse SPC Daniel Morehouse SPC Esdras Moreno SGT Kevin Moroney SPC Adam Morris SGT Khalilullah Muhammad SPC Bobbygene Muna SPC Todd Nance SGT Gerald Nichols 1SG David Norris SPC Chinenye Obiiobioha PFC Dalal Ogla **CPT Robert Page** SFC Christin Pankonin SPC Anna Papagoda SGT Angelo Pascetti SFC Douglas Patterson SPC Harvey Payne PFC Rebecca Payne CW2 Daniel Peoples PFC John David Perez SPC Sean Petrondi SGT Anthony Pierce SPC Clayton Poarch CPL Daniel Powers CW2 Jordan Ray 1LT James Raymond SPC Bennie Reeder SPC Matthew Reiter PFC Roosevelt Riggins

SGT Ashley Jacobs



New Members

Continued from page 81 SGT Isidro Riverapantoias SGT Akeem Robinson **CPT James Robinson** SFC David Rodgers CPL Braulio Rodriguez SGT Doris Rogers SGT Lil Rogers SPC Jeffrey Rose SSG Brian Rozzano SGT Pete Rusler SPC Joseph Russel SGT Cyril Rutmag SPC Eric Sabato **CPT Carrie Sanchez** SGT Miguel Sanchez **CPT Matthew Schimdt** SGT Michael Scriven MAJ Joseph Senesi SPC Erylin Serraward CPT James Sheffield PFC Coree Sherard PFC Adam Siegrist SPC Daniel Sievers SPC Angelique Skellchock 1LT Robert Skiba PV2 Nikya Slaughter SPC James Smith SGT Ray Sosa 1SG Thomas Spies SPC Anthony Stasurak **CPT Aron Stephens** SPC Felicia Stone SGT Henry Stone SPC Thomas Stoops SPC Bryan Swinnerton SPC Christopher Taton SPC Adam Taylor SPC Cassie Teixeira SPC James Thompson SPC Laurin Thompson CW3 James Toole SSG Gabriel Tovar SPC Lindsay Tuten SPC John Úrekar SPC Rocio Velasco SPC Nicole Villarreal CW2 Jesse Wagnon SPC Jermail Walker SPC Nathaniel Wall CPL Aaron Ward **CPT Charles Watson** SPC David Watts PV2 Kevin Weiche PFC Parker Whalen SPC Corey Wilcox SGT Howard Williams MSG Jimmy Williams SGT Joel Williams SFC George Williamson CW2 Toby Williamson SPC David Wilson CW3 Jason Wolff SPC Sean Worcester SPC Jarred Yazzie SGT George Zantos **Prairie Soldier Chapter** SPC Richard Inns Ragin' Cajun Chapter CW2 Jeffrey N Ballew CPT Nicholas Norton Rising Sun Chapter SSG Chestnut Brown SGT Anthony W. Patterson | No Chapter Affiliation CW2 Russell P. Reinemer

SSG Geiner L. Santanadiaz Savannah Chapter SPC Sudarshan Acharya SSG Anna M. Dietrich CW2 David L Lewis ShowMe Chapter SPC Anna Amrihe CPT Jacob J. Ball SSG Sherry Y. Bice SGT Steven Brown SSG Paul W. Bruecher SPC Dylan R. Chevalier CPT Gary L. Cross SFC Michael Cuno CPT Ryan DeSha SSG Michael Doogs SPC Noelle Foster SSG Jason Gulden SPC Christopher J. Gunja SFC Michael J. Halter SPC Shawn Hanson SSG Dennis P. Heeter SSG Shawn Hoehns SPC Susan Jarvis SPC Ashley M. Johnson SSG Reagan W. Kelley SSG Garrett R. Littrell 1LT Cale J. Lyons 1LT Mitchell McCann SGT Joshua L. McDonnell PFC Cody D. Parrott WO1 Levi Saxe SPC Gregg Valenti SFC Mack Vinson SPC Zachary R. Wiehe SFC John D. Zapata Stonewall Jackson Chapter CW2 Jerry W. Brown Tarheel Chapter PFC Michael Brown Tennessee Valley

Chapter

CAPT Paul John Bellas

Heather Michelle Douglas

Denise DeMonia

Dustin Hicks

Christopher Guillen

COL Jay Macklin

LTC Charles Marr

Dick Smedstad

Chapter

Walter E Whitacre

Thunder Mountain

Thomas J. Cuscito Jr.

CW4 Jeffrey D. Fichter

Thunderbird Chapter

SGT April R. Johnson

Washington-Potomac

James Edward Davis

CPT Mary J Hubbard

CAPT Laurence Alexander

John M. Stanko

Stephanie Gatti

Andrew Vavreck

Paul Larsen

Chapter

COL Richard M. Monnard

SGM Steven D. DeCoster

MAJ Chris Damato

Jeffrey Dean Northcutt

CW5 Walter J. Redding Jr.

Air Assault Chapter Jason M. Grimes 1LT Alex Reiter Aloha Chapter SSG Rafael Jose Orona **Aviation Center Chapter** 2LT Grant G. Berger WO1 John M. Blessing CPT Kevin Paul Britt, Jr. WO1 Joseph S. Browning WO1 David R. Calhoun CW4 Donald R. Choate 2LT Julie E. Demitrack 2LT Landen M. Ellyson CW2 Darren H. Geen WO1 Luis A. Hernandez 2LT Caitlin Holbrook-Bruns CW4 James Kalahan, Ret. 1LT Toner Kelly 1LT Michael R. Kone WO1 Steven M. Lovewell CW2 Jason L. Marusiak 2LT Carson A. McReynolds 2LT Daniel D. McSweeney 2LT Cory D. Moylan 2LT Brian L. Mumford CW4 Michael J. O'Conner WO1 Nathan S. Pollock WO1 Richard L. Rogers SSG RICHARD E PINDEL 1LT Matthew R. Ruiz CW2 Bradley T. Scanlon CW4 Philip Schmiesing, Ret. 2LT Blythe M. Schultz 2LT Travis F. Siegle

WO1 Paul C. Smith

WO1 Roy J. Tyson

Badger Chapter

SGT Chris L. Reeves **Bayarian Chapter** CW3 Andre Kidd Central Florida Chapter 2LT John L. Capotosti Jr. Erich Korvn Colonial Virginia Chapter 1SG Victor Manuel Colon SFC Richard J. Detomasso SFC Calvin A. Gowins 1SG George E. Martinez Corpus Christi Chapter MAJ Henry W. Edwards IV SGT William Femandezcalvet Richard Alvarado Jeremy Scott Brewer Paul M Camardo Jerry D. Davila LTC Andrew Kaufmann, Ret. Carmen Garza CW2 Robert C. Lane, Ret. Regina M. Gonzales Jose Gorena Jr. Peggy Valenzuela Hatcher James F. Jabal Victor D. Lopez SGM David M. Oberg, Ret. John P. Luke Erica Macha John H. Macha Nancy Melchor Donald M. Mendez Alfonso Mirelez Todd Pincombe CPT Shermal J. Randle LTC Ed Stephenson, Ret. Kyndra Word Shafer SPC Christopher Tersinar Margarita P. Silguero Sam N. Sinjlawi Eric M. Sprunger Helene T. Trevino Shirley Verastiqui Robert C. Villasenor James W Williams **Delaware Valley Chapter**

New Members December 2012

Ronni Aharon Alshech

SPC George J. Atilano

Douglas Branson Sr. Ret.

CW2 Robert F. Chattin

SGT Rebecca L. Dupuis

SSG Daniel L Freeman

CPT Michael D Green

CW2 Stephanie S. Hall

PV2 Richard Martinez

SGT Edrick Northern

SGT Tyler J. Parsons

SGT Benjamin Peralta

CW2 Joseph Peterson

Ms. Kathleen Phinney

CW4 Jeffrey D. Starritt

PFC Travis Weathers

PFC Cody Whitlow

CPT Justin Wilz

CW2 Michael Wu

GEN Jan W. Westerbeek

1LT Rachel M. Ries

SPC Kenneth Nve

1LT Kendall E. McDaniel

PFC Andrew Cooley

Dawn Marie Bailey

Jack Planchak Flying Tigers Chapter SFC Matthew L. Rackham Greater Atlanta Chapter CW2 Bryan Rank Greater Chicago Chapter Mr. Donald J. Breen Mr. Dennis M. Neel **Griffin Chapter** MAJ James Demonstranti High Desert Chapter MAJ Glenmore Heilman Idaho Snake River Chapter SSG Dawn Theresa Steele Iron Mike Chapter CW4 Carlos F Legoas CW4 Thomas A. Madrigal CW2 Ronald Alva Smith Morning Calm Chapter CW3 Daniel S. Bickett 1LT David F. Boswell CW3 Richard E. Campbell CPT Michael J. DeCheck CW5 James R. Griffith CW2 Robert H. Hatch 2LT Jay P. Irwin CPT Jared E. Kuth CW2 Thomas J. Naylor 2LT Robert J. Seitz CPT Jeremia Sheehan 1LT Justin R. VanDam 2LT Jason R. West SFC Brian J. Whisenant Mount Rainier Chapter SFC Monte Hackman, Jr. CW5 Jeffrey S. Luikart SSG Thomas A. Sparks 2LT Patrick M. Sweenev CW4 Roy Gene Schuman North Star Chapter WO1 Adam Townley-Wren CW4 Donald Boyd Abrams MAJ Roger M. Barker

CW4 Terrance Lee Taylor Northern Lights Chapter SPC Christian P. Coffey Jeff Cooper 1LT Todd G. Hunsicker CPT Nicolas W. Potter **Oregon Trail Chapter** SFC Richard Merrill Phantom Corps Chapter CW2 Michael Beck CW2 Richard Shane Dix LTC James H. Fitzgerald III SSG Christopher B. Murray Rio Grande Chapter CW2 Andrew Todd Dillon Savannah Chapter MAJ Jason Scott Raub ShowMe Chapter SSG Anthony Blair MSG William C. Kahler CSM Edward J. Lambeth SGT Scott A. Merrifield Southern California Chapter Edgar Enriquez SGT Alvin Dalit Francisco Tarheel Chapter COL Tony L. Ferguson, Ret. CSM Denwood Norris SSG Thomas A. Schindler 1LT Troy T. Smith Tennessee Valley Chapter Lance D. Classen CW4 Wade J. Fox, Ret. Dennis J. Hart Eddie Landry Randy J. Lange Mark C. Moots David E. Simmons Joseph M. Tedesco Thunder Mountain Chapter SSG Joshua A. Palowitch Volunteer Chapter SSG Justin S. Bogus SGT Charles J. Byerly SGT Cassandra D. Hicks PFC Jonathan C. Holland SPC Jason D. Madewell SSG Joseph Obenschain Charles L. Quiett SSG Donald L. Sweet SGT Brandon J. Testerman Washington-Potomac Chapter 1LT Daniel R. Abeel CW4 Marcellus Anderson Mr. Victor Denard LtCol David S. Myers, Ret. Janine Perez MSGT Francisco Santos Charles Selbe Joseph Urguhart Wright Brothers Chapter CPT Raychad J. Vannatta No Chapter Affiliation 1LT Shannon Austin CW3 Chance L. Barden CW4 Michael Ross Blain CPT William A. Bradbury SFC A. Michael Burton Mr. Mike Coltrane SSG Kevin Cook MAJ Jeffery S. Craver

LTC Michael Taff

North Texas Chapter

LTC Robert H. Howard, Ret.

Mr. Stephen E. Mildenstein

MAJ Christopher Davis Mr. John B. Davis SGT Juan A. Elenes MAJ Bill Harper, Ret. Mr. Reginald N. Heard CW3 Steven Helmandollar SPC Christopher A. Hyatt II Mr. Michael Jay Jolma SPC Justin Miller SSG Michael Milne CW2 Nathan Piatt Jonathan Rohrer CW2 Rachel Lee Simeth SGT Danielle Small SSG Heath J. Taglione Matthew Austin Wise Elizabeth Butler Young

Lost Members

Help us locate a lost AAAA member and receive a free one month extension to your Quad-A membership!

SPC Rene N. Adamos LTC James E. Adams, Jr. SPC Christina Adelbai SPC Johnlery Agaton CPL Greg Alik Ms. Kiana W Allen MAJ David Amamoo SPC Austin Anderson CW2 Damien Anderson SPC Delvon N. Anderson SPC Jacob Anderson 1LT Valeria Andreassen 1LT Michael B. Anthony SGT Christian Araza SPC Michael Ardner CW2 Aaron Assad LTC Donald Atkinson, Ret. PV2 Ian Atkinson SSG Jean Attulien SPC Jason Austin SGT William Austin SPC Ashley Baker PFC Viah Baker 1LT Craig Barnhill CW2 Charles Basham CW3 Chad Beck SSG Brian Bell SPC Mineisi Benitezmatos SFC Franklin Blackmon PFC Troy Blythe SPC Bryan Bosch SPC James Bownikeda CW3 Ryan Brescher SPC Laurabeth Briggs CPL Rodney Briggs SFC Patrick Brooks PFC Michael Brown SGT Troy Brown SPC Nicholas Bruzas SGT Jimmy Bryan SPC Matthew Bryan SSG Mark Bulifant SFC Michael Burger SPC Gregory C. Burke SPC Bradley Byrd CW2 Tom P. Caldwell SPC Corey A. Camden SPC Charles Cameron SPC Jesse Campbell SGT Anthony J. Castillo SGT Steven Clementin SPC Jon Clemenza SPC Kerry Collingwood CPT Nicole Collins SPC Matthew J. Connary

AAAA Supporting the U.S. Army Aviation Soldier and Family

Remember the AAAA Scholarship Fund in your end-of-year donations. 100% of your donation goes to our soldiers and families!















Make Your Donation Today at www.quad-a.org

Thank You!Our Scholarship Fund Donors



AAAA recognizes the generosity of the following individuals, chapters and organizations that have donated to the Scholarship Foundation General Fund during the past quarter. The General Fund provides funding to enable the chapter, corporate, heritage and individual matching fund programs as well as national grants and loans. Every penny donated to the Scholarship Foundation goes directly to a grant or loan as a result of the Army Aviation Association of America subsidizing ALL administrative costs! For more information about the Foundation or to make a contribution, go online to www.quad-a.org; contributions can also be mailed to AAAA Scholarship Foundation, Inc., 755 Main Street, Suite 4D, Monroe, CT 06468.





AAAA Scholarship Foundation, Inc., vice-president, Connie Hansen, and Foundation fundraising chair, COL (Ret.) Lou Bonham, accept donations for the General Fund during the AAAASFI luncheon on Mon., Apr. 2, 2012, at the Opryland Hotel in Nashville, TN from: Mr. Bob Downes (left), VP Engineering and Mr. Tom Kirk, president of Oppenheimer Precision Products, Inc. (left photo); and QinetiQ North America executive vice president and general manager, Mr. Dave Shrum (right photo).

Scholarship Donors

AirComm Corporation Joan A. & Thomas A. Beach, Jr. The Boeing Company David H. Dale Paul R. Egan First Baptist Church Greater Giving William A. & Andrea J. Johns Dirk A. Megchelse Mid-Atlantic Chapter Brenda J. Rogers Doran F. & Deborah N. Stell Textron Brian F. & Anne Trent R.L. & Patricia A. Williams Tyrus C. Wood, Jr. Mark A. Wright

CW4 Brent Cook SPC Jamie Cooksey PFC Andrew Cooley SPC Marcus Cooley **CPT Brian Cooper** SPC Enrique Correa PFC Andrew Costello SPC Jason Darling COL Arlin Deel. Ret. CPT Talon Deemer SFC Matthew Delaschmit SPC Jose Deloeraolvera PFC Kayla S.K.Demarest PFC Nicholas Devol SPC Julio Diazperez CPL Kameron Doulatabadi CW2 Matthew Dower CPT Nicholas Dunn SGT Louis T. Ecker PFC Mario Escobar SPC Richard Essex SPC Lisa Estes SSG James Evely SPC Cesar Falcon 1LT Sarah F Fazio PFC Karla Felix PFC Chris Field SSG Edward Fonseca

SGT Daniel L. Francisco SSG Dennis Frazee SSG Patrick J. Gabriel CPT Travis Galloway CPT Gerald D. Gangaram SPC Joseph T. Giramma CW4 Paul Glad SPC Zachary I. Gossard CW4 Jason Graff SPC Fredrick Gransee PFC Gary Gumbert CPT Robert H. Gunderson PFC Jeremy Gutierrez SGT Julius Gutierrez SPC Richard Haeneke CW3 Michael Hall SGT Daniel Harper SPC Charlie Harris SGT Christopher Harris SPC Robert Haussmann SPC John Henneberry CW4 Peter Hernandez SGT Zachary Hill SPC Carlos Hobbs SPC Joshua Hobbs 1I T Aaron Hooper SPC Matthew Howe CW3 Michah Howell SPC Scott Ingle

SPC Antonio Ingram SGT Jeffrey Ingram MAJ Derrick S. Jennings PFC Anton Jensby SPC Corey A. Johnson SFC James Johnson MAJ Rickey A. Jones SPC Robert Jones SPC Francis Jordan Jeff Kaloski SPC Joseph S. Katongole SGT Waylon Lee Kepa SPC Kira Kerins 2LT Mark Knoll CW3 Jesse Kondas SPC Jakob Koveleskie SSG Timothy Kramer CW2 Heston Krause SFC Allie F. Krebs, Ret. LTC Keriem X. Kvalevog MAJ Michael Lanzafama SPC Joshua L. Lawson SPC Alexis Leigh SPC Denis Lemieux CW3 Keith Lightner 1LT Adam L. Lucero SSG Jesse Lujan **CPT Dan Mackey** SPC Jose Manasala

SSG Daniel Martinez CW4 Gilberto Martinez SGT Christopher Maxwell PFC Brandon Mayes SSG Christopher Mayville SGT Jonathan Mazey 1LT Kyle McDermott SPC Sally McGilvery SPC Kyle McGovern PFC Allen McIver CW2 John Allen Mesic Jr. SPC Trevor Miller SGT Andrew Mills SPC Christopher Miranda CW3 Aaron Mitchell SPC Christopher Mitchell 1LT Edwin Mobley SPC Anthony Molson SPC Joshua Moncrief SPC Daniel Morehouse SPC Aaron Mose SPC Eric Jermain Murray 2LT Joshua M. Nelson 1SG David Norris SPC Randy O'Donell CW2 Jose Oliverocruz SFC Carl Ostberg SGT Ronald Palachuk SFC Christin Pankonin

1SG Evaristo Parras 1SG Paul Pascual PFC John David Perez CW2 Steven Peshock 2LT Jesse Pope SPC Audrey Quezada 1LT James Raymond CPT Aaron J. Řettke SPC Billy R. Robinson PFC Imogin Roque SPC Jeffrey Rose SSG Brian Rozzano SGT Cyril Rutmag CPT Carrie Sanchez SSG Emmanuel Santiagomartinez SPC Joshua Santos SGT Paul Schacknies SFC John Sellers MAJ Joseph Senesi CW2 John Shoemaker SPC Benjamin Simmons SGT Nathan Skaggs PV2 Nikya Slaughter SSG Daniel Smith PFC Rodney Smith PV2 Marcos Sotocartagena CPT Jacob V. Sowell SPC Christopher Spires

PFC Eduardo St Paulpopo SPC David Staggs SGT Vicente Suarez CW2 Cory J. Swanson SPC Bryan Swinnerton PFC Steven Tamayo SGT Joefrey Thomas CW3 James Toole MAJ Steven A. Tullia SPC Steven Turner PFC Justin Undem SGT Stephen Van Eps PFC Noob X. Vang SPC Nicole Villarreal CW2 Jesse Wagnon SPC Nathaniel Wall 1LT Kayleigh Wallace SPC David J. Walsh Col. Grant Webb SPC John Weiche SPC Barry West Beth Whitaker MSG Jimmy Williams CW2 Toby Williamson CPL Kristi Wilson SPC Jarred Yazzie SPC John Yuguffel

PFC Margraux Fracisco

New Order of St. Michael Recipients



Silver CPT James Johns

Bronze

n

CW5 Dale Jensen MSG K. V. Loehr CW4 Kevin E. Comer LTC Jeffrey C. Gorres

New Chapter Officers

Bavarian Chapter

President LTC John Knightstep Senior Vice President MAJ Dave Barber Secretary CPT Philip Singleton

Idaho Snake River Chapter VP Enlisted Affairs

SSG Dawn Steele

Morning Calm Chapter Secretary

CPT Michael Decheck

Mount Rainier Chapter

Treasurer

CPT J. Brandon Sawyer

ACES

LCDR George A Rayhons Corpus Christi Chapter

Soldier of the Month

SFC Riachard Merrill October 2012 Oregon Chapter

SPC Michael T. Aycock October 2012 Jimmy Doolittle Chapter

PFC Ira J. Duville November 2012 Jimmy Doolittle Chapter

New Lifetime Members

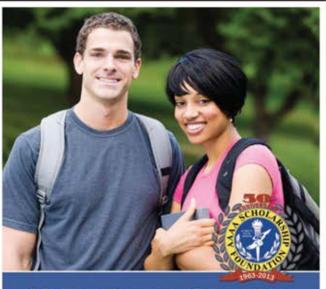
MAJ Brad Bertinot CW4 Donald R. Choate LTC Clement E. Greek IV, Ret. COL Richard G. Hatch CW4 Kurt R. Heidelbach, Ret. CPT Mary J. Hubbard CW5 John E. Roberts CW4 Steven N. Russell CPT Raychad J. Vannatta

New Industry Members

Brief Relief, Division of American Innotek Inc. Capital Avionics, Inc. Fulcrum Concepts LLC Jabil Defense and Aerospace Services, XRDi JSfirm, LLC Senior Aerospace Metal Bellows

In Memoriam

COL David B. King II (Ret.)



Making Dreams Come True 50 Years of Service to U.S. Army Aviation Soldiers and their Families

The AAAA Scholarship Foundation, Inc. provides a variety of annual scholarships to hundreds of students seeking higher education: Soldiers, NCOs, warrant and commissioned officers and to their family members. Your tax-deductible donation helps make a difference to those looking to further their educational opportunities.

Please contribute to the AAAASFI through the Combined Federal Campaign program. Contribute to #10516.

See your unit CFC representative for details on participating in the 2013 CFC Program.

The AAAA Scholarship Foundation, Inc. 755 Main Street, Suite 4D, Monroe, CT 06468-2830 Email: aaaa@quad-a.org (203) 268-2450

Photo Contest



Calling for Entries!

Winning entries will be published in the 2013-2014 AAAA Calendar and ARMY AVIATION Magazine

12 cash prizes will be awarded. 1st place (\$500), 2nd (\$300), 3rd (\$200), 4th (\$100), and eight honorable mentions (\$50).

Winning entries will be selected based on the themes that best represent Rotary Wing, Fixed Wing, Unmanned Aircraft and the U.S. Army Aviation Soldier.

Visit www.quad-a.org for complete rules and entry forms.

UPCOMING EVENTS

January 2013

Jan 9-11 AUSA Aviation Symposium & Exhibition, National Harbor, MD

Jan 11 AAAA SFI Executive Committee (Conference Call) Meeting, Arlington VA
Jan 12 AAAA National Awards Committee Selection Meeting, Arlington, VA

Jan 12 AAAA National Awards Committee Selection Meeting, Arlington, VA Jan 28-31 Aviation Senior Leaders Conference, Fort Rucker, AL

February 2013

Feb 6-7 Joseph P. Cribbins Aviation Product Symposium, Huntsville, AL

Feb 20-22 AUSA Winter Symposium, Fort Lauderdale, FL

March 2013

Mar 4-7 HAI Heli-Expo, Las Vegas, NV

April 2013

Apr 10-13 AAAA Annual Professional Forum and Exposition, Fort Worth, TX

May 2013

May 1 Scholarship Application Deadline

May 21-23 AHS 69th Annual Forum & Technology Display, Phoenix, AZ

June 2013

Jun 1 Scholarship Packet Completion Deadline

Jun 18-21 AAAA Army Fixed Wing Professional Forum, Huntsville, AL

ARMYAVIATION

UPCOMING SPECIAL FOCUS



IANUARY

- Aviation Product Support
- Arming the Force



FEBRUARY

Rotary Wing Project Manager Updates

Contact: Bob Lachowski Advertising Director Tel: (203) 268-2450 x 131 email: bob@quad-a.org



ARMY AVIATION ASSOCIATION OF AMERICA

755 Main Street, Suite 4D, Monroe, CT 06468-2830 203-268-2450, Fax 203-268-5870, Web www.quad-a.org





SIMULT	ANFOUS	MEMBERSHII	FORM
	AILLOU		

AAAA Membership Place "X" in appropriate box New	CURRENT STATUS Place "X" in appropriate box Active Army ARNG* USAR* Retired Former Warrant Officer Associate (all others) *AGR please check ARNG or USAR Male Female CERTIFICATIONS Place "X" in appropriate box I HOLD a Warrant issued to me by the Secretary of the Army I HAVE HELD a Warrant issued to me by the Secretary of the Army (If NO check Associate above) I AM I AM NOT entitled to wear several National Defense Medals TERM OF MEMBERSHIP Place "X" in appropriate box - only one dues category please INITIAL ONE-YEAR MEMBERSHIP FOR WO1s ONLY AT NO COST REGULAR/ASSOCIATE MEMBER DUES 1 Yr \$50 2 Yrs \$100 3 Yrs \$150 5 Yrs \$250 RETIRED MEMBER DUES 1 Yr \$37 2 Yr s \$74 3 Yr s \$111 5 Yrs \$185 PLEASE NOTE: Effective 1 January 2011 the monthly USAWOA NEWSLINER will be delivered electronically. If you wish a paper copy via mail please check here and include an additional \$12 per year with your dues payment. Check or Money Order for dues is enclosed, made out to "AAAA". Charge my: VISA MC AMEX
Spouse (First Name) FAX Tel:	Credit Card# (No DEBIT) 3 digit sec. code Expires mm/yy CHAPTER AFFILIATIONS (Check one)
E-Mail Addresses * (*AKO – us.army.mil preferred)(If both military and civilian are used, place preferred one first) RELEASE OF INFORMATION Place "X" in appropriate box: I DO I I DO NOT want the above information released if requested by other members and/or to be provided to the membership-benefit companies affiliated with these organizations. Regardless of option checked, no information is released outside of these organizations.	Please affiliate me with the chapters near my home. Affiliate me with the

Simultaneous Membership Form 600-DS (Fill-in) (Revised JAN 2011)



Art's Attic is a look back each month 25 years ago and 50 years ago to see what was going on in ARMY AVIATION Magazine. Art Kesten is our founder and first publisher from 1953 to 1987. He is also the founder of the AAAA in 1957 and served as its Executive Vice President. Each month contributing editor Mark Alberson will select a few key items from each historic issue. The cartoon, right, was done back in 1953 by LT Joe Gayhart, a friend of Art's and an Army Aviator, showing the chaos of his apartment-office in New York City where it all began.





25 Years Ago December 31, 1987

Logistics: Security Assistance (Foreign Military Sales)

By Donald L. Platt

Security Assistance plays a pivotal role in many American foreign policy initiatives; initiatives in which Army Aviation is playing an expanded role. AA is providing support to the

helicopter capability of the Philippines Air Force. Rotary-wing capability is a necessity for the PAF in its campaign against

an insurgency that plagues the island nation. In Central and South America, U.S. Army assistance enables host governments to pursue actions against drug traffickers and guerrillas. U.S. Army assistance to Saudi Arabia is provided through the Saudi Arabian Land Forces Aviation Program; a \$366 million package of aircraft systems and logistics. The U.S. Army's role in Security Assistance is proving to be essential.



DA Safety Citation to AAAA



Adjoining photo depicts GEN Arthur W. Brown, VCSA, presenting a Dept. of the Army plaque to. Art and Dotty Kesten, during mid-August ceremonies held at the Pentagon. Mr. Kesten accepted the DA award for AAAA, in recognition of the organization's continuing commitment and support to the improvement of safety in Army Aviation.

Did you know that ...?

... there is one professional military association that has not raised its membership dues in the last seven years. And what organization is that? AAAA. In August 1980, AAAA raised its dues from \$12 to \$15. No other professional military or aerospace membership association can match this record!



ARMY AVIATION Lycoming

50 Years Ago, December 1962

Flying AG

Adjoining photo depicts BG Henry V. Graham (right), Adjutant-General of Alabama, receiving congratulations from his flight instructor, Roy H. Windham. BG Graham, Assistant Commander of the 31st "Dixie" Division, completed his fixed-wing

solo flight. Upon completion of his training, BG Graham will be the only Adjutant-General in the United States to be rated as an Army Aviator.

Letter to the Editor (excerpt): Issue of Publicity.

. . . In fact, Army Aviation has taken a shellacking in Vietnam as far as publicity goes because

almost everything seems to be classified matter, except what the U.S. Marine helicopters do. Between you, the readers, and those of us who are doing the job, the Marines perform the same job on a smaller scale, but get ten times the publicity. William D. Brandon, Captain, Infantry Executive Officer 18th Aviation Company, APO 40, San Francisco, Calif.



Helicopter Pilot Instructor Exams

The U.S. Civil Service Commission will convene open competitive examinations for the position of civilian helicopter pilot instructor for the Army Aviation School, Ft. Rucker AL. Upon acceptance, appointees will receive a GS II rating (\$8,045 per annum). Candidates must hold a current FAA license with Instructor's rating for either rotary-wing or fixed-wing aircraft. Application forms are available at any U.S. Civil Service Regional Office in the U.S.; or, from the Executive Secretary, Board of U.S. Civil Service Examiners, U.S. Army Aviation Center, Ft. Rucker, AL.





The Army Aviation Hall of Fame sponsored by the Army Aviation Association of America, Inc., recognizes those individuals who have made an outstanding contribution to Army aviation. The actual Hall of Fame is located in the Army Aviation Museum, Fort Rucker, Ala., where the portraits of the inductees and the citations recording their achievements are retained for posterity.

Each month Army Aviation Magazine highlights a member of the Hall of Fame.

Contact the AAAA National Office for details at (203) 268-2450.

BRIGADIER GENERAL JAMES M. HESSON, RETIRED

ARMY AVIATION HALL OF FAME 2009 INDUCTION

A decorated leader in war and peace, from enlisted Soldier to general officer, an expert logistician and acquisition manager, and a tireless advocate of the enlisted, warrant and company grade officers there is no doubt that BG James "Jim" M. Hesson has lived his entire life the AAAA mission statement of "Supporting the U.S. Army Aviation Soldier and Family."

In 1947, Hesson enlisted in the National Guard as a private at age 16. Thirty-six years later this quiet professional retired as a general officer, having earned his undergraduate degree at night and achieving a master's degree. A veteran of three combat tours in Korea and Vietnam, he earned the Distinguished Flying Cross while serving as the commander of an aircraft maintenance and supply battalion. As a major, he was also awarded the Legion of Merit for his efforts to identify the source of CH-47 parts whose critical shortage was degrading combat capability resulting in improved methods of management and supply.

Hesson became the first project manager for the CH-47D helicopter, delivering this transformational research and development program on-time and under-budget in the late 1970s, in an era of double-digit inflation. Through his personal, direct and unorthodox efforts, he was pivotal in directing innovative procurement and coordinating modification of aircraft and equipment that eventually led to the formation of the Army's 160th Special Operations Aviation Regiment (Airborne), the famous "Night Stalkers," following the unsuccessful 1980 "Desert One" operation to free the Iranian held American hostages.

Hesson was one of the key "behind-the-scene" leaders providing support that gave special operations aviation a "kick start," leading to the 160th SOAR(A) becoming the world's premier combat aviation unit.

Just as significant as his accomplishments in uniform were his contributions as the national president of both the AAAA and the association's Scholarship Foundation. As president from 1989 to 1991, Hesson expanded the National Executive Board to include representation by company grade, warrant officer, and enlisted members, and significantly improved membership retention.

His AAAA and scholarship initiatives have improved the lives of hundreds of Soldiers and families and greatly improved both organizations.

There is no doubt Jim Hesson has made the quiet, professional, and sustained impacts on our warfighters and their families that will pay rich dividends for Army Aviation and the AAAA for decades to come.









If this were you, which would you prefer?

CFD Long-Range M3 .50 Cal Machine Gun (1100 RPM)

In this post Cold War era, ALL utility helicopters need the range and punch of the .50 cal. Today's Army needs to be prepared for any situation, whether you are being called upon to escort medivacs when the attack helicopter fleet is occupied, or supporting troop insertion on an assault mission.

Armament solutions from CFD provide the flexibility to scale your defensive capability - from low risk to high risk and back again. With CFD's 1800 meter range, fast-firing M3 .50 cal as your defensive equalizer, never again settle for less firepower than required to adequately defend yourself. We can give you the .50 cal edge on your next mission to feel secure in your ability to eliminate the risk of a hit on yourself and your crew. Qualified mount and armament solutions from CFD. Scalable. Modular. Effective. Combat proven. www.cfdintl.com



