

## AEDC implements Global Harmonization

Are you ready?

By Vicki Peters  
AEDC Contributing Writer

No, we're not talking "world peace" or an agreement end to all war, but we are talking a global agreement – developed by the United Nations and adopted by over 65 countries. It standardizes information found on chemical material safety data sheets and product labels between countries, and it could be appearing on a product that you use at AEDC or at home.

The Globally Harmonized System (GHS) of Classification and Labeling of Chemicals is a result of an effort initiated by the U.N. in 1992. It seeks a worldwide system to facilitate recognition of chemical's physical hazards and toxicity through consistent labeling and terminology and through agreement of international rules and regulations for handling, transport and use.

Many of the hazardous products (chemicals, pesticides, etc.) we use daily pose a genuine threat to human health and the environment at some stage, whether it's through manufacturing, handling, use or disposal. People involved in these processes speak different languages and use different alphabets, creating issues for products sold and used internationally. To help resolve this issue, GHS employs eight standardized pictograms to identify hazard categories. An optional pictogram identifies certain environmental hazards. Manufacturers that produce or



Larry Parks, in ATA Mission Support Department, applies the proper label to a drum. The new United Nations Global Harmonized System (GHS) requires all nations to follow the same labeling standards. (Photo by Jacqueline Cowan)

sell hazardous products in the countries that have adopted GHS must include one or more of these pictograms or symbols on the product label along with specific hazard statements and a signal word – either danger or warning – depending upon the hazard potential.

Last year the Occupational Safety and Health Administration (OSHA) revised its Hazard Communication (HazCom) Standard to adopt GHS, thus making it law for the United States. OSHA calls this revised version "HazCom 2012," and

full implementation is scheduled for 2016. The previous HazCom Standard guaranteed workers the "right to know" information about the chemicals they use. HazCom 2012 takes it to the next level, giving workers the "right to understand" risks and hazards.

According to Master Sgt. Brian Fair, of the Arnold AFB Bioenvironmental Engineering Department, "Exposure to hazardous chemicals is a serious hazard for military and civilian workers today. Revising OSHA's Hazard Communication Stan-

dard to harmonize with global standards will improve the quality and consistency of hazard information, making it safer for workers to do their jobs.

"The new standard enhances hazard communication and will ultimately make the workplace safer," Fair added. "Standardization will allow our airmen and civilians, including contract employees, to more accurately identify risks and take necessary precautions, especially when working with hazardous chemicals overseas or with chemicals that come from international

manufacturers."

By December 1, 2013, all government personnel, including military, civilians, and embedded contractors must be trained on the new label elements and safety data sheet format. But GHS isn't limited to government installations. The Department of Labor estimates that over 5 million workplaces in the United States will be affected by HazCom 2012. These are the workplaces where employees – approximately 43

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### ATA makes STEM donation to Grundy County Board of Education

The ATA Employee and Community Activities Committee (E&CAC) recently donated \$300 to the Grundy County Board of Education's Back to School Bash and to purchase calculators for students who can't afford them. Walt Bishop (right), an ATA Test Support Branch manager, presents the donation at the Grundy County High School to Mary Jo Gallagher, the Grundy County School Coordinator. (Photo provided)

## AEDC engineers display innovation ideas



AEDC personnel gather to view ATA Innovation Grant ideas during the recent AEDC Technical Excellence Seminar Poster Session. (Photo by Jacqueline Cowan)

By Raquel March  
ATA Public Affairs

A display of AEDC engineer's ATA Innovation Grant ideas were recently viewed at an AEDC Technical Excellence Seminar Poster Session Aug. 15 where there were 18 posters displayed.

The posters displayed innovation ideas that may be implemented at AEDC and were developed by individual ATA engineers and teams.

"This poster board session provided an opportunity for one-on-one interaction between the innovation team and other members of

AEDC," said Louis Vanacore, an ATA director. "The session had a good turnout and with plenty of interaction."

To date, there have been

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# AEDC leadership announces quarterly award winners

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## HIGH MACH

**Arnold Engineering Development Complex**  
An Air Force Materiel Command Test Complex

**Col. Raymond Toth**  
Commander

**Jason Austin**  
Director,  
Public Affairs



**Steve Pearson**  
General Manager,  
Aerospace Testing Alliance

**High Mach Staff:**  
Kathy Gattis, ATA Public Affairs Manager & Executive Editor  
Raquel March, Editor

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## Core Values

- Integrity first
- Service before self
- Excellence in all we do



## Vision

"ATA will be a trusted partner in delivering best value warfighter support and assert stewardship to AEDC"

## Core Values

- Be accountable for our own actions
- Ensure the safety of individuals and equipment
- Demonstrate the highest integrity and ethical standards
- Communicate clearly and openly
- Deliver professional and technical excellence
- Nurture, enable and treat people fairly
- Align with customer goals and objectives
  - Use disciplined and innovative processes
- Continually improve in all that we do

# Safety is not a practice; it's a way of life

Commentary by  
**Eric Mitchell**  
AEDC Contributing Writer

I got my indoctrination into Safety in the Navy's MR "A" School years ago. Machinery Repair (MR) is the title for machinist in the U.S. Navy. I learned "Safety First, Accuracy Second and Speed Last." It was that experience that prepared me for my career as a machinist and it gave me an appreciation of what it takes to do the kind of work myself and my co-workers do every day to support our team. And because of the work we do, because of the inherent hazards we deal with, safety is embedded in what we do. It's not something that we think about separately; it's just the way we do business.

It's been a long time since I was a new employee and I've seen lots of others come and go at all levels of the organization. People have changed and so has

the overall culture with respect to safety.

We, the AM3 Branch (Test Support), appreciate the teamwork approach and the relationships that our management has taken the time to build, and we feel empowered to speak up when we have an issue or concern. The AM3 Team has focused our efforts toward mitigating "low-hanging fruit" and we continue to focus on the greater picture of our safety culture. This doesn't mean we have eliminated low-hanging fruit – but it does mean that our leadership team, including our Safety Leadership Council (SLC), gets right on it and it doesn't hang around long when the budget allows.

Within our organization we all work together – despite title, rank or discipline – to look after each other. And this includes safety. Bottom line is that we no longer feel like we are working in an

environment where there is more concern about following procedures than our personal safety. None of us want to get hurt; we never have and never will. We always remember the history associated with our team; our serious injuries and fatalities that have impacted everyone – families as well as co-workers. We just can't have that!

Our branch management listened to our SLC concerns and we now work together to make safety a safe conversation and we have a better understanding on the importance of focusing on the positives. Conversations are "straight-up," honest and open. This all adds up to make for a much better and less stressful working relationship with our co-workers and management.

Communication and relationships – these are the keys to our success. We appreciate being able to bring up issues and



Mitchell

concerns knowing they'll be taken seriously and that we are an active part of the solution. Another attribute of our team is that we aren't afraid to offer help even if it's not needed – and it's appreciated when we do.

We do the right thing

because it's the right thing to do. In the AM3 organization we had a slogan contest more than a year ago. The winning slogan – and our motto – is "Safety is not a practice – it's a way of life"... it's just how we do business.

## Leap to your limits

By Lt. Col. Oliver Leeds  
92<sup>nd</sup> Air Refueling Squadron

**FAIRCHILD AIR FORCE BASE, Wash. (AFNS)** – One of the lessons I carry around with me every day is something I learned from the jumping events in high school track and field.

I was intimidated by the high jump. Unlike the long jump, where every leap into the sand pit could be measured and faults were not embarrassing, the high jump presented a daunting binary challenge: clear the bar or make an embarrassing spectacle. Knocking the bar down could hurt if it landed between me and the mat, and the groans

from spectators could be ego devastating.

Some of my long jumps were better than others, but none felt like failures. In the high jump, however, failure was certain. Every competition has the same sequence: jump, succeed; jump, succeed; jump, fail. It was always there, stalking me. Eventually, my limits prepared me to announce to the world, "I failed!"

One day, at my more comfortable long jump pit, my attitude swung 180 degrees. Simply put, I was discontented not knowing if I had done my best. Could I have run faster? Did I jump too far behind the line? Should I have

waited for the breeze to shift directions? The second guessing went on and on. I didn't have this problem in the high jump. In the high jump, I always knew I did my best, because I pushed myself until I failed. *Eureka!*

Had I found comfort in failure? Yes, because it assured me I had done my best, and removed regrets for not having tried.

My thoughts turned immediately to the sealed and addressed, yet unmailed, envelope on my desk at home. It was college application season, and I had been accepted to all four schools to which I had applied. But the application on my desk was different

-- it was to "the long-shot school" -- the school I would go to if I could, but seriously doubted I had a chance.

Wasn't it smarter to avoid failure? I could spend the rest of my life thinking I wasn't rejected, rather than apply and remove all doubt. But that day, 23 years ago, I glanced over my shoulder at an unusually inspiring high jump bar. I walked out of my uncertain sand, went home and mailed the application. Sure enough, two months later I was rejected. It was my first true failure in the road of life, but I have spent the decades since confident that I have done my best and grateful that

I had learned to live a life without regrets.

Some of my fellow Airmen surprise me for not seeing that lesson. I have known people not applying for jobs for fear of rejection. I've known NCOs and officers alike retiring before finding out if they were selected for a promotion. All kinds of challenges are declined for some form or flavor of failure avoidance.

Life is short, and an Air Force career is fast. Not failing does not mean you are successful; it means you traveled too cautiously. Leap to your limits, learn from failures and live without regrets. That is a successful journey!

## Avoiding retreat is cowardly

By Jo Rowe  
81<sup>st</sup> Inpatient Operations Squadron

**KEESLER AIR FORCE BASE, Miss. (AFNS)** – It was one of the first beautiful days in a very long while in and around Bolling Air Force Base, District of Columbia. Rain was predicted, but I was hoping it would hold out until I completed the walk to my on-base residence.

As I was about to walk out of the Maisey Building, I noticed three enlisted members, three officers and one civilian with her newborn waiting by the exit doors; such a big pile-up for this time of day.

My heart sank. Could it be those deep blue skies and white puffy clouds turned dark gray with huge raindrops just waiting to signal the burst? Or was the rolling of the thunder and the dancing of the lightning enough to crowd everyone back into

the building until the coast was clear? Nope...Neither.

To my extreme disappointment, these people were "self locked" inside, because they didn't want to be caught outside during the playing of our national anthem.

I was very saddened.

As my husband and I approached the door, everyone parted for us to get past. As we were walking through the doors, the music stopped. Everyone piled out as if a store had just announced 75 percent off at a day-after-Christmas sale. I said to my husband, "You know what, honey? I am really sickened when I see people who refuse to come outside and acknowledge our nation anthem. Have they forgotten that this song, along with other things, stands for our freedom? What are they afraid of? The cowards?"

Even I, a dependent spouse at that time, am fa-

miliar with the courtesies we are supposed to observe when the national anthem is being played. Even though my husband was shocked to hear me call people whom I did not know cowards, he said he understood.

I have always felt this way. If you appreciate what you have, who you are and where you come from, you should appreciate the national anthem and all it represents.

My husband tried to tell me that hiding like that was, indeed, against military courtesies, but I tuned him out as I continued to ramble on about how insensitive I felt these people were.

What on earth was keeping those folks from standing proud and saluting or placing their hand over their hearts? No excuse is acceptable.

So I looked around as everyone rushed to their cars and I thought of the

men and women fighting for our freedom. I thought of how proud I am of each and every one of them and how they wouldn't be proud of those Americans who chose to stay inside instead of coming out to salute their flag – the very item that drapes the coffins of our fallen to their final resting place.

Maybe my words here

will help change for the better, the courtesies we render, or ought to render, during reveille and retreat on base.

Don't cower from the nation anthem. Be proud. Go outside and salute the flag, or place your hand over your heart and stand tall. If not for yourself, then do it for your American brothers and sisters fighting to keep you free.

## Action Line

### Team AEDC

I believe in free and open communications with our Team AEDC employees, and that's why we have the Action Line available. People can use the Action Line to clear up rumors, ask questions, suggest ideas on improvements, enter complaints or get other issues off their chests. They can access the Action Line in one of three ways: via the AEDC intranet home page, Action Line boxes at the base cafeterias and by calling 454-6000.

Although the Action Line is always available, the best and fastest way to get things resolved is by using your chain of command or by contacting the organization directly involved. I encourage everyone to go that route first, then if the situation isn't made right, give us a chance.

Col. Raymond Toth  
AEDC Commander

## Smoking Policy

1. The following revised AEDC smoking policy is effective immediately. Smoking is permitted solely in designated areas identified by a plastic "smoke genie." This receptacle is for the sole purpose of cigarette butt disposal. If there is no receptacle, you cannot smoke in that area. It is the responsibility of all smokers to clean up the area surrounding the receptacles for any cigarette butts on the ground. Smoking in government-owned vehicles is strictly prohibited. Personnel are allowed to smoke in their personal vehicles at any time. In case of inclement or cold weather, employees are encouraged to use their personal vehicles if a sheltered designated smoking area is not available nearby. Smoking areas will be held to the absolute minimum and will be located in low traffic, low visibility areas away from points of building ingress/egress and air intakes. A map of all authorized smoking areas is available on the AEDC web portal at [https://cs.eis.afmc.af.mil/sites/cio/IM/Pubs/AEDC/Pubs%20and%20Forms/AEDC%20Publications/Smoking\\_area\\_map.pdf](https://cs.eis.afmc.af.mil/sites/cio/IM/Pubs/AEDC/Pubs%20and%20Forms/AEDC%20Publications/Smoking_area_map.pdf). Smoking near a facility in an area not designated on the map is prohibited and any smoking receptacles located in areas not shown on the map will be removed. All "smoking permitted" and "no smoking" signs will be removed unless specifically required by OSHA.

The fact a person smokes has no bearing on the number of breaks they may take. Breaks should be taken in accordance with the company/agency personnel policies that apply to all employees.

Regarding use of smokeless tobacco, containers of tobacco waste product, including sealed containers, must not be left unattended or disposed of in trash receptacles. Users of smokeless tobacco must flush tobacco waste down the toilet. Smokeless is strictly prohibited in conference room meetings and other areas, e.g. PMEL, where Air Force regulations specifically prohibit.

Due to the nature, appearance, and safety concerns of electronic cigarettes (also known as "e-cigs"), they are considered to be in the same category of tobacco products whose use is governed by Air Force Instruction (AFI) 40-102, Tobacco Use in the Air Force. Therefore, all rules stated above for tobacco products apply to electronic cigarettes.

2. Supervisors at every level will ensure this policy is followed. Disciplinary action is appropriate for repeated violations.

3. Updates to this policy will be made in the future to further align with Air Force guidelines.

4. This letter supersedes previous letter dated 28 October 2006, subject as above.

# Openings still available for Labor Day Appleseed Rifle Clinic

**By Claude Morse**  
*Highland Rim Shooters Club*

Looking for something different to do on Labor Day weekend? There are still openings at the Appleseed Rifle Clinic.

Three more Project Appleseed Rifle Clinics, hosted by the base's Highland Rim Shooters Club (HRSC), are scheduled to be held at the General Purpose Rifle Range in the Arnold AFB Rifle Range complex this year. The dates for the clinics are Aug. 31 – Sept. 1, Oct. 5-6 and Nov. 9-10.

The clinics are a combination history lesson about the opening day of the American Revolutionary War, April 19, 1775, and the American Militia and Minutemen who responded to the call to arms at Concord and Lexington and a rifle safety and marksmanship training course.

The clinic is open to all base personnel and their families, as well as the general public on a first-come, first-served basis until the class is full. The clinics are free to military personnel, including active duty, Reserve, National Guard and

Tennessee State Guard with ID. Law enforcement, elected officials and people who show up in Revolutionary war military uniforms also shoot for free.

Other male attendees pay \$80 for the two-day course, women pay \$40 and youth 18 and under \$20. In addition one youth can attend for free with a paying adult parent. Youth 17 and under must have a parent, grandparent or guardian present to attend. All attendees must sign a liability waiver and parents, grandparents or guardians must sign for their children under age 18.

The clinics start each day between 8 - 8:30 a.m. with registration and safety briefings at about 8:30 a.m. Training on the rifle range begins shortly thereafter. On Saturday, the class is expected to last until about 5 p.m. and Sunday 4 p.m.

Attendees need to bring a rifle, shooting mat, hearing protection, shooting glasses and ammunition. Knee and elbow pads are recommended, firing will be from the standing, kneeling, sitting and prone positions. Some loaner rifles and shooting mats are available.



**AEDC Commander Col. Raymond Toth fires a 1770s replica musket at a recent Project Appleseed Rifle Clinic at the AEDC Rifle Range complex. (Photo provided by Claude Morse)**

A limited amount of .22 ammunition is available from HRSC on site.

There will be a short lunch break each day on site – attendees should bring their lunch as instruction continues while they eat.

The course includes basic safety and handling of rifles and shooting targets at 25 meters. By the second

day most participants are hitting inch sized targets at 25 meters that simulate targets at 400-500 yards.

The course of fire includes a version of the Army Qualification Test. Shooters who score a 210 or higher receive an Appleseed Rifleman patch.

The instructors conducting the clinic are members

of the Revolutionary War Veterans Association, a non-profit, a Congressionally chartered Civilian Marksmanship Program affiliated organization that conducts Appleseed Rifle Clinics nation-wide. The instructors are dedicated to training youth and adults in rifle safety and marksmanship skills. The August clinic

will be the 32<sup>nd</sup> Appleseed Clinic at Arnold AFB.

To register for a clinic see <http://appleseedinfo.org> – click on the Appleseed tab, then schedule, then Tennessee then Manchester. For questions send an email to HRSC Vice President and Tennessee Appleseed State Coordinator Claude Morse at [TN@appleseedinfo.org](mailto:TN@appleseedinfo.org).

## Hagel announces new anti-sexual assault initiatives

**By Jim Garamone**  
*American Forces Press Service*

**WASHINGTON (AFNS)** – Defense Secretary Chuck Hagel today announced seven new initiatives to strengthen and standardize the department's sexual assault prevention and response effort.

In a memo to the field, Hagel called elimination of sexual assault in the military one of the department's top priorities.

"This effort requires our absolute and sustained commitment to providing a safe environment in which every service member and DOD civilian is free from the threat of sexual harassment and assault," he wrote in a statement. "Our success depends on a dynamic and responsive approach. We, therefore, must continually assess and strive to improve our prevention and response programs."

On May 6, 2013, the secretary directed the services and defense agencies to strengthen the program in commander accountability, command climate, victim advocacy and safety.

The secretary's initiatives announced today strengthen these areas further. They include:

- The secretary directed the services to improve victim legal support. He directed the service secretaries to create a legal advocacy program to provide legal representation to sexual assault victims throughout the judicial process. He set Nov. 1, 2013, as an initial operating capacity for this and for it to be fully functional by Jan. 1, 2014.
- Hagel directed that pre-trial investigative hearings of sexual

assault-related charges are conducted by Judge Advocate General officers.

- The secretary directed service secretaries to enhance protections calling on them to develop and implement policies allowing for the reassignment or transfer of members accused of committing sexual assault or related offense. Hagel wants this done in order to eliminate continued contact while respecting the rights of both victims and the accused.
- Hagel is requiring timely follow-up reports on sexual assault incidents and responses to be given to the first general or flag officer within the chain of command.
- He also directed the DOD Inspector General to regularly evaluate closed sexual assault investigations.
- Hagel ordered the service secretaries to standardize prohibitions on inappropriate behavior between recruiters and trainees across the department.
- And, Hagel directed the DOD general council to develop and propose changes to the Manual for Courts-Martial that would allow victims to give input during the sentencing phase of courts-martial.

The new measures should strengthen the department's sexual assault prevention and response programs, the secretary said.

"Remember, we are all accountable and responsible for eliminating this crime from our ranks," Hagel said in the memo.

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million of them – could be exposed to hazardous chemicals.

Bing Bragg, ATA Industrial Hygienist and GHS subject matter expert, noted that it will impact commercial manufacturers, shippers and distributors worldwide. "Manufacturers have until June 1, 2015, to fully comply with the changes in the HazCom Standard," Bragg said. "So it may be a while before we see labels and SDSs (safety data sheets) changing. Companies that manufacture or sell products in or to countries which have adopted the system earlier are already using GHS.

They will be the first to come into compliance with HazCom 2012.

"We are already seeing label changes and the new SDS with some products received at AEDC," he added. "Consumers will probably see the first label changes on products in places like the Co-op, hardware, or home improvement stores where products are sold in larger quantities. Changes will be more gradual for products bought in small quantities at grocery or discount stores. Once the changes are in place, the universal symbols and standardized information should be an improve-

ment over the old system."

To meet the requirements of HazCom 2012, ATA Safety, Health and Environmental has already provided initial training for ATA employees and primary support contractors via toolbox topic. Bragg is developing computer-based training to provide essential details and requirements for those who work directly with hazardous chemicals and must complete supplementary training before the deadline this fall. Anyone needing additional information should contact Bragg at 454-3627 or Fair at 454-5635.

<p><b>Health Hazard</b></p> <ul style="list-style-type: none"> <li>• Carcinogen</li> <li>• Mutagenicity</li> <li>• Reproductive Toxicity</li> <li>• Respiratory Sensitizer</li> <li>• Target Organ Toxicity</li> <li>• Aspiration Toxicity</li> </ul>	<p><b>Flame</b></p> <ul style="list-style-type: none"> <li>• Flammables</li> <li>• Pyrophorics</li> <li>• Self-Heating</li> <li>• Emits Flammable Gas</li> <li>• Self-Reactives</li> <li>• Organic Peroxides</li> </ul>	<p><b>Exclamation Mark</b></p> <ul style="list-style-type: none"> <li>• Irritant (skin and eye)</li> <li>• Skin Sensitizer</li> <li>• Acute Toxicity (Harmful)</li> <li>• Narcotic Effects</li> <li>• Respiratory Tract Irritant</li> <li>• Hazardous to Ozone Layer (Non-Mandatory)</li> </ul>
<p><b>Gas Cylinder</b></p> <ul style="list-style-type: none"> <li>• Gases Under Pressure</li> </ul>	<p><b>Corrosive</b></p> <ul style="list-style-type: none"> <li>• Skin Corrosion/Burns</li> <li>• Eye Damage</li> <li>• Corrosive to Metals</li> </ul>	<p><b>Exploding Bomb</b></p> <ul style="list-style-type: none"> <li>• Explosives</li> <li>• Self-Reactives</li> <li>• Organic Peroxides</li> </ul>
<p><b>Flame Over Circle</b></p> <ul style="list-style-type: none"> <li>• Oxidizers</li> </ul>	<p><b>Environment (Non-Mandatory)</b></p> <ul style="list-style-type: none"> <li>• Aquatic Toxicity</li> </ul>	<p><b>Skull and Crossbones</b></p> <ul style="list-style-type: none"> <li>• Acute Toxicity (Fatal or Toxic)</li> </ul>

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30 innovation ideas submitted and 21 grants awarded totaling \$330k.

Employees may be awarded a grant if the proposed innovation has the potential to produce significant cost savings, productivity improvements, improved quality of deliverables, or enhanced customer satisfaction

promoting new customer business for AEDC.

"The innovation team's members know where there is opportunity for improvement. They are incubating their ideas through a proof of concept to confirm the feasibility," Vanacore said.

The innovation grants program differs from

other ATA idea programs like the continuous improvement and suggestion programs in that it seeks greater learning and exploration performed by those proposing the idea.

The next Innovation Grant submittal deadline for the third cycle is Sept. 16. For more details contact Vanacore at 454-7063.

# Eglin AFB F-35 fleet exceeds 2K sorties, training presses on



Navy Lt. Cmdr. Christopher Tabert returns from the first local flight of the carrier variant of the F-35C Lightning II, Joint Strike Fighter, Aug. 14 at Eglin Air Force Base's 33rd Fighter Wing. The unit, co-located at the wing, serves as the F-35C Fleet Replacement Squadron, training F-35C aircrew and maintenance personnel alongside Air Force, Marine and coalition partners in the joint strike fighter program. Tabert is an F-35 instructor pilot with the U.S. Navy Strike Fighter Squadron VFA-101. (Photo by Staff Sgt. Nicholas Egebrecht)

**By Maj. Karen Roganov**  
33rd Fighter Wing  
Public Affairs

**EGLIN AIR FORCE BASE, Fla. (AFNS)** – Airmen and Marines assigned to the F-35 Integrated Training Center at the 33rd Fighter Wing here have consistently flown successful training sorties and generated their 2,000th sortie Aug. 13 with an instructor pi-

lot of the Marine Fighter Attack Training Squadron-501 (VMFAT-501), at the controls.

Marine Maj. Adam Levine, who flew in a two-ship formation, said he was surprised with the news upon landing but said that is typical since the flight-line members are focusing on safe and effective flying rather than keeping pace with data tracked by those in statistical analysis.

“Every sortie, every takeoff, every hour is a win for the F-35 enterprise,” he said. From his cockpit, Levine also witnessed the first taxi of the U.S. Navy’s F-35C carrier variant preparing for its maiden flight from Eglin AFB.

With the Air Force, Marine Corps and Navy pressing forward to meet goals of initial operating capability in the next few years for their respective services, getting ample time in the air is crucial to meeting their timelines.

“Flying the 2,000th sortie highlights the accomplishments of the entire F-35 airpower team at Eglin AFB and moves us one step closer to the aircraft’s initial war fighting capability,” said Col. Todd Canterbury, the command-

er of the 33rd FW.

The Eglin AFB F-35A, B, and C variant joint training has been accomplished while operational and developmental test missions at flight test sites on the east and west coasts have been conducted simultaneously – a process known as concurrency.

In these last couple weeks, Eglin AFB officials sent a handful of their pilots to Luke Air Force Base Ariz., to become the initial cadre of F-35A leaders at the 61st Fighter Squadron, 56th Fighter Wing, said Col. Stephen Jost, the commander of the 33rd Operations Group here. Luke AFB’s first joint strike fighters are scheduled to arrive in spring 2014 with plans to grow to 144 aircraft in the

out years.

For now, the Eglin AFB-based flyers are expanding their training curriculum as they double up to full aircraft strength in the spring with all 24 Air Force F-35As expected to be on base. Jost will lead the group’s transition to the Block 2A aircraft, which carry upgraded computer software, in the first quarter of calendar year 2014 in order to accommodate more aircraft capabilities.

“We will increase the current syllabus from 6 student sorties to 8 and even 9 depending on when we will be cleared by the test community to fly at night,” Jost said.

Aside from flight operations, this also entails transitioning the ground school instruction such as

flying more advanced scenarios in the full mission simulator.

“The primary capability of Block 2A is use of the plane’s multifunction advanced data link,” he said.

Currently, voice transmission is the primary means of communication.

While Air Force planners is busy seeding Luke AFB with an initial F-35 team, the Marines have been doing the same for Marine Corps Air Station Yuma, Ariz., just a short flight away.

Having trained up the initial cadre of U.S. and United Kingdom pilots and maintainers at VMFAT-501, Marines at Eglin AFB continue to train instructor pilots with a portion of the classes’ students being operational test pilots. These pilots are standing up MCAS Yuma’s operations at Marine Fighter Attack Squadron-121, Levine said.

In the near future, Eglin AFB’s VMFAT-501 is preparing to conduct its first local short take-off and vertical landing of the F-35B, an accomplishment realized at MCAS Yuma in March that the VMFAT-501 helped make possible. Meanwhile, the Navy’s Strike Fighter Squadron 101 at Eglin AFB, has conducted its first maintenance check flight yesterday, is preparing for its first student flight this week.

In the upcoming years, when operating at full capacity, the Eglin AFB fleet will grow to 59 aircraft with about 100 pilots and 2,100 maintainers graduating yearly.

The F-35 joint strike fighter program is a joint, multi-national program. In addition to U.S. armed forces, the F-35 increases operational flexibility and interoperability with the eight other international partners participating in the development of the aircraft. They are the United Kingdom, Italy, the Netherlands, Turkey, Canada, Australia, Denmark, and Norway.

With so much history in the making, the F-35A, B and C fighter units at Eglin AFB are making strides for airpower for years to come, officials said.

“The versatile and high-tech aircraft will carry the U.S. Air Force, Marine Corps and Navy into the next 50 years of air dominance, and the men and women here can reflect back knowing they were among the pioneers in its initial phases,” Canterbury said.

# After three decades, maintainers keep B-1 on top



Senior Airman Jonathon Hartman, 7th Aircraft Maintenance Squadron crew chief, Dyess Air Force Base, Texas, marshals in a B-1B Lancer during Green Flag-West 11-10 Sept. 20, 2011, at Nellis AFB, Nev. (U.S. Air Force photo/Senior Airman Brett Clashman)

By Airman 1<sup>st</sup> Class  
Charles Rivezzo

Public Affairs

**DYESS AIR FORCE BASE, Texas (AFNS)** – With a career that spans across three decades and a warfighting reputation that rivals nearly every aircraft in the Air Force’s arsenal, the B-1 Bomber has established itself as one of the United States’ most crucial assets to maintaining air and ground superiority.

This achievement was built on the backs of hundreds, if not thousands, of Dyess maintainers who have kept this Cold War bird fighting well into the 21st century.

With the bomber’s ever increasing role in today’s combat operations, pushing the airframe to the limits of its original design, skilled maintenance professionals are crucial to ensuring mission success.

Located within one of Dyess’ most prominent landmarks the Global Power for America hangar is the 7th Equipment Maintenance Squadron’s maintenance flight - a group of roughly 40 maintainers who strip this aircraft down

to its frame only to inspect it, repair it and put it back together.

“Most B-1 aircraft are around 26 years old and require a lot of maintenance to keep mission ready,” said Senior Master Sgt. Mark Mueller, 7th EMS maintenance flight chief. “The isochronal inspection, better known as ISO, is a vital part of this effort. With a keen eye and dedication to duty these inspections make the daily maintenance easier. The effort is about finding and replacing the parts that failed, or are about to fail, before they cause mission delays.”

Each year, this dedicated flight of Airmen inspect more than a dozen B-1s inside and out, manually removing approximately 215 panels just to begin the process. This is the be-

ginning of a tedious and painstakingly complex list of tasks that ensure this heavily-employed bomber continues to provide constant overwatch for troops on the ground.

“ISO has a specific flow of how the maintenance is accomplished to make sure everything gets completed on time,” said Staff Sgt. Matthew Johnson, 7th EMS. “Day one is our de-panel day and most of the time if the jet is playing nice, we can de-panel 90 percent of the aircraft in just one day.”

From there, thousands of items are inspected for any discrepancies the aircraft may have and are repaired or replaced. The quality assurance shop then performs a follow-up inspection to ensure any repairs made to the aircraft

were done correctly.

Once again, the tedious process of re-paneling the aircraft takes place, manually reinstalling each individual screw by hand.

“We then apply hydro-power and perform an operational check out of the components that have been disconnected or replaced,” Johnson said. “QA performs one last follow-up inspection and run the engines to complete the rest of our operational check outs.”

The 7th EMS maintenance flight is allotted 15 to 18 duty days to complete this entire process, a objective that isn’t friendly to the personal lives of these Airmen.

“For us, the duty day doesn’t end until the job is completed. If we get behind for some reason

or we find something that requires labor intensive disassembly we will work right through the weekend to ensure everything is done correctly,” Mueller said. “Our main objective is to keep the aircrew safe, keep the aircraft in the air and ensure freedom for everyone,” he added. “One mistake on our part and we jeopardize that objective.”

Furthermore, unlike many Airmen who move from station to station every few years, Dyess main-

tainers rarely leave the B-1 platform, some spending their entire Air Force careers mastering every inch of the super-sonic bomber.

“This is a blue-collar, down-in-the-weeds type mission we have here,” Mueller said. “The job we do isn’t glamorous nor is it in the spotlight, but I could not be prouder of the men and women of the 7th EMS maintenance flight and their contribution to the freedom of the United States.”



# EOD: Defusing the situation



Staff Sgt. Andrew Roberts, 380th Expeditionary Civil Engineer Squadron explosive ordnance disposal technician, disables a training improvised explosive device at an undisclosed location in Southwest Asia July 25. The 380th Air Expeditionary Wing EOD team is responsible for disabling conventional munitions and IEDs. (U.S. Air Force photo by Senior Airman Jacob Morgan)

By Senior Airman

Jacob Morgan

380th Air Expeditionary Wing Public Affairs

**SOUTHWEST ASIA (AFNS)** – One of the biggest defense mechanisms of any expeditionary air base is the ability to launch aircraft to neutralize threats. Several 380th Air Expeditionary Wing agencies are charged with getting air operations back up and running as soon as possible should the flightline or runway be attacked. The 380th Civil Engineer Squadron Explosive Ordnance Disposal Flight is the first to arrive in this scenario.

Working with engineer's assistants and the bomb removal team from the heavy vehicle operators shop, EOD is tasked with clearing any munitions, rendering safe a large area for base recovery after an attack and enabling base operations to resume. They are required to clear the airfield and create an airstrip to get aircraft back up in the air to provide defense.

"Just like anywhere else, we focus on the threat that we believe to be most likely and we train based upon that threat," said U.S. Air Force Senior Airman Jeremy Moody, 380th Civil Engineer Squadron

explosive ordnance disposal technician. "Base recovery after an attack is a big machine operating in a very short period of time that allows us to get back up and win the fight."

According to Moody, training for base recovery after an attack is on-going; it's the 380th CES EOD's most important skillset. The team needs to make sure they can address the threats that may be present in the area including base defense operations and counter-IED training.

Training on average three days a week, the EOD team covers flightline support, improvised explosive devices, conven-

tional munitions, and base crisis response training.

EODs flightline support responsibility encompasses anything explosive on an aircraft from a strip of explosive to detach a cockpit canopy to flares on a KC-10 Extender. If something malfunctions, EOD responds and renders safe the explosives.

In addition, EOD always trains for IEDs, suicide bomber scenarios, which come into play in the EOD career field, said Moody. This includes suspicious packages and suspicious vehicles, as well as keeping up on enemy tactics, techniques and procedures.

"We are another layer in this installation's base defense," said Moody. "We work with the fire department, emergency management, security forces and other crisis response agencies to ensure any explosive threat is taken care of."

The mission is very similar to a stateside base, said Moody. The support operations are outstanding and provide a break from some of the physical, emotional and psychological stress of a typical EOD deployment elsewhere.

At other deployed locations, EOD deals with IEDs day-to-day, said U.S. Air Force Tech. Sgt. Dwayne

Ferguson, 380th ECES EOD team lead. The mission sets and training are not necessarily different here, but priorities are different due to different threats, personnel and property.

"If EOD was not here in a real base recovery after attack scenario, the runway wouldn't be cleared and planes wouldn't be able to fly," said Ferguson. "Our job in almost every scenario is to return the base back to normal operations and keep people safe. This is why we are so focused on training so that when the call comes we deliver. Being an EOD technician is a challenging but extremely rewarding profession."

## Inspired by nature: Innovative C-17 flight tests to save AF millions

By Roger Drinnon

Air Mobility Command Public Affairs

**SCOTT AIR FORCE BASE, Ill. (AFNS)** – Air Mobility Command's chief scientist credited birds, dolphins and surfers for the success of recent ground-breaking C-17 Globemaster III flight tests expected to save the Air Force millions in annual fuel costs.

Dr. Donald Erbschloe flew aboard the test flights involving surfing aircraft vortices for energy – or "SAVE" – from Edwards Air Force Base, Calif., to Joint Base Pearl Harbor-Hickam, Hawaii, and back, July 9-11. Afterward, he explained how nature provided inspiration for one C-17 aircraft to trail behind another and recapture energy that would

otherwise be lost. This allows the trailing aircraft to use less fuel in a time when aviation fuel costs are soaring. Data from the tests promise savings of up to \$10 million a year.

"Creatures in the wild do this all the time – exploiting conditions which give them an energetic advantage – just that slight edge," Erbschloe said. "Dolphins and human surfers ride the 'bow waves' off ships, hawks circle in thermals to gain altitude and energy, and geese fly in V-shaped formations to reduce their exertion during long migrations."

He said during a recent ferry ride in Washington State, he mused at how seagulls employed the method.

"I observed seagulls riding the air bow wave off the top of a ferry" Erb-

schloe said. "Just as we were starting our crossing, a seagull positioned itself and established a sustained glide. It never flapped its wings once during the entire 20-minute transit. Only when the ship slowed and maneuvered to dock did the bird start to fly on its own."

AMC aircrews and 412th Test Wing personnel, along with Boeing researchers, were on the two C-17 aircraft in the SAVE configuration. The July flights followed previous test flights at Edwards AFB in October, which proved the science behind the concept. Results from those tests were compelling enough to warrant the follow-on tests on an actual operational mission, which also included flying at night.

"We were very pleased

with the results of the long range demo. We demonstrated in-flight rendezvous, day and night operations, and flew several hours in each direction in our \$AVE formation," said Bill Blake, the Air Force Research Laboratory \$AVE program manager. "With only minor changes, we were able to attain double-digit fuel savings, which exceeded what we measured during our 2012 proof-of-concept test."

Erbschloe said other tests in years past involved

See *Flight*, page 7



Tech. Sgt. Gary Washington off-loads vehicles from a C-17 Globemaster III during an airlift mission July 25 at Forward Operating Base Shindand in Herat, Afghanistan. The C-17 is capable of rapid strategic and tactical delivery of troops and any type of cargo to main operating and forward operating bases in Afghanistan. The aircraft can perform airlift and airdrop missions and transport ambulatory patients during aeromedical evacuations when required. Washington is a loadmaster assigned to the 316th Expeditionary Airlift Squadron. (U.S. Air Force photo/Staff Sgt. Marleah Miller)

# Expeditionary wing transitions to commercial jet fuel



Senior Airman Jesse Silva adjusts the knobs on a Hammonds Additive Injector July 16, in Southwest Asia. Silva does this to regulate how much additive is injected into the squadron's first delivery of commercial Jet A1. Silva is a 386th Expeditionary Logistics Readiness Squadron bulk storage attendant. (U.S. Air Force photo/Master Sgt. Christopher A. Campbell)

**By Master Sgt. Marelise Wood**  
386th Air Expeditionary Wing Public Affairs

**SOUTHWEST ASIA (AFNS)**— The 386th Air Expeditionary Wing has joined the list of Air Force units making the switch from military-specification fuel to commercial fuel.

Defense Logistics Agency Energy has been advocating for the military's move to commercial fuel for the last few years, touting the cost savings and fuel availability as significant benefits, officials said.

According to a 2011 article by DLA Energy, the Air Force is the largest consumer of jet fuel among the military

services and spent \$7.2 billion on 2.7 billion gallons of fuel in 2010. A spokesperson for the Air Force Petroleum Agency was quoted as saying the move away from military specification fuel, known as JP8, to commercial fuel, known as Jet A in the continental U.S., is going to provide a huge dollar savings.

The Air Force, in partner-

ship with DLA Energy, has been in the process of converting to commercial specification fuel in the CONUS during the past few years.

The 386th Expeditionary Logistics Squadron Fuel Flight received its first shipment of commercial fuel, commonly known as Jet A-1 outside of the continental U.S., July 16, and immedi-

ately began the task of injecting the needed additives. JP8 fuel is already injected with these additives and because of this, the storage, production and transportation of JP8 is much more costly than commercial fuel.

"In the commercial world the additives that we use are not normally included in jet fuel," said

Senior Master Sgt. Gregory Carrow, of the Air Force Petroleum Agency. "Receiving fully additized fuel from a commercial source requires segregated storage and transportation. By buying a commercial fuel and injecting the additives later in the supply chain, DLA Energy can procure the fuel at a cheaper price."

## FLIGHT from page 7

fighter aircraft, which had to fly closely at "fingertip" intervals for any benefit, requiring a lot of pilot effort for what he described as "white-knuckle" flying; this is not the case with the larger C-17.

With minor software changes, the C-17's autopilot sustains the \$AVE position at safe distances ranging from 3,000-6,000 feet

between the lead and trailing aircraft, so the aircrew workload is minimal. He said in addition to confirming the fuel savings, assessing how \$AVE affected the aircrew was an important part of these latest tests.

"Maintaining position in the \$AVE formation is no more task-saturating for the aircrew than flying at cruise on any other

worldwide mission," said Maj. Kyle Clinton, the director of 62nd Airlift Wing weapons and tactics from Joint Base Lewis-McChord and one of the pilots who flew the trailing C-17 during the tests. "Across the board, I believe the potential benefits could be

worthwhile for the aviation community - not just for C-17 formations but also for mixed formations, such as tankers (accompanying) fighters."

The tests are done, and the concept is validated. The next step involves funding for a DOD Ad-

vanced Technology Demonstrator to figure out the exact procedures and processes needed to introduce this fuel-saving concept to other Air Force aircraft. The two- to three-year project could begin as early as next year, Erbschloe said.

\$AVE is the culmi-

nation of an ongoing, combined effort between AMC, the AFRL, the 412th TW, the Air Force Life Cycle Management Center, the Defense Advanced Research Projects Agency, the Boeing Company, and NASA Dryden Flight Research Center.

# AEDC quarterly award winners announced



**1st Lt. William Edge**  
Company Grade Officer

Edge was recognized for his outstanding leadership of testing conducted in the Propulsion Wind Tunnel.



**Master Sgt. George Allen**  
Senior Non-Commissioned Officer

Allen was recognized for excellent leadership and job performance as the AEDC Fuels Management superintendent.



**Tech. Sgt. Shara Jackson**  
Non-Commissioned Officer

Jackson was recognized for exceptional leadership and job performance in financial management.



**2nd Lt. Stuart Coston**  
Honor Guard

Coston was recognized for professionalism and performing flawlessly in honor guard details from Jan.-March 2013.



**Fred Rojas**  
Civilian of the Quarter  
Clerical/Technical Support

Rojas was recognized for his exceptional performance in managing administrative operations for the Test Operations Division.



**Vincent Pitts**  
Civilian of the Quarter  
Administrative

Pitts was recognized for outstanding leadership in the SBIR program and the Commercialization Readiness Program.



**Jonathan Parker**  
Civilian of the Quarter  
Scientist/Engineer

Parker was recognized for excellence in establishing test requirements, business analysis and assessments.



**Bryan Larson**  
NAF Employee  
of the Quarter  
Category II

Larson, a Café 100 employee, was recognized for his outstanding performance contributed to the services of Café 100.

## Mark Sissom receives People's Choice Award

Mark Sissom, an ATA group lead for End User Software Services with the Information Technology and Systems Department, recently received the William M. Dunne People's Choice Award of the Quarter.

Sissom was recognized for displaying outstanding professionalism and support to AEDC's National Full-Scale Aerodynamics Complex test planning and execution at Moffett Field, Calif. He resolved remote connectivity issues and enabled faster restoration of services.



**Sissom**

# ATA quarterly award winners

## Team Member of the Quarter



**Daniel Bess**  
Test Assets and Support  
Department

Bess was recognized for excellence in program management and support of the Ultrasound Conditioned-Based Maintenance program.

## Craft Person of the Quarter



**Christopher Graham**  
Mission Support Department

Graham was recognized for outstanding professionalism in meeting the needs of internal and external customers.

## Craft Person of the Quarter



**Patrick James**  
Mission Support Department

James was recognized for displaying excellent leadership performance in the Roads and Grounds section.



**Lori Golden**  
Department Team Member  
Information Technology  
and Systems

Golden was recognized for outstanding contributions in software engineering for wind tunnel testing.



**Terry Bartholomew**  
Department Team Member  
Information Technology  
and Systems

Bartholomew was recognized for excellence in project management for the Air Force network migration at AEDC.



**Chad Overcast**  
Department Team Member  
Integrated Test  
and Evaluation

Overcast was recognized for excellence in providing operation solutions for a system used by the AEDC Signature Measurement Team.



**Ronald McFarlane**  
Department Team Member  
Test Assets and Support

McFarlane was recognized for excellence in administration in the Propulsion Wind Tunnel and the von Kármán Gas Dynamics Facility plants.



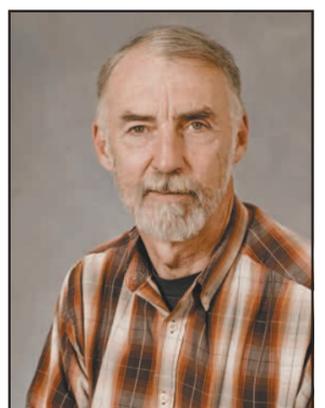
**Kristi Farris**  
Department Team Member  
Mission Support

Farris was recognized for excellence in administrative support to safety initiatives in the Mission Support Department.



**John McInturff**  
Department Team Member  
Mission Support

McInturff was recognized for outstanding leadership of the Civil Engineering design and project management.



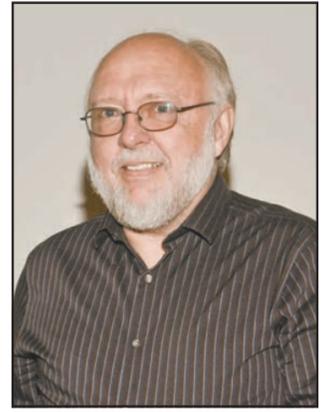
**Don Bell**  
ATA Safety Achievement  
Test Assets and Support

Bell was recognized for proactive management to produce safety performance enabling his crew to work 50,000 man-hours without a first aid instance or injury.

# General Lee Gossick Team Excellence Award



A-10 Thunderbolt II warfighter aircraft Integrated Test Team. (Photo by Jacqueline Cowan)



**Robert Howard**  
ATA Customer Service  
Excellence Internal  
Integrated Test  
and Evaluation

Howard was recognized for professional excellence and his contributions to the success of the Small Business Innovation Research program and the Commercialization Readiness Program.

## *Congratulations Team AEDC !!!*

(l-r) Greg Holcomb, Troy Holland and Chris Garner Team Customer Service Excellence External



The three employees, working as a team, provided outstanding calibration support for a Pratt and Whitney propulsion test program.

## AEDC Technical Achievement Award



Electrical Utility Service Life Extension Program (SLEP) team. (Photo by Rick Goodfriend)

## May Milestones

### 30 YEARS

Richard Hagar, ATA  
Anita Hinshaw, ATA  
Carlton Hobbs, ATA  
Randal Parks, ATA  
John Payne, ATA

### 25 YEARS

Mark Carson, ATA  
Randy Harwell, ATA  
Bruce Jones, ATA  
Syble Walls, ATA

### 15 YEARS

Terry Bartholomew, ATA  
Mark Benner, ATA  
Kenneth Clark, ATA

### 10 YEARS

Richard Blazier, ATA  
Jerry Burrows, ATA  
Robert Damron, ATA  
Orville Glenn III, ATA  
Rex Jones, ATA

Randy, Martin, ATA  
Joy Rogers, ATA  
Kevin Syler, ATA  
Robert Vanzant Jr., ATA

### 5 YEARS

Wesley Cothran, ATA  
Kaleigh Hatfield, ATA  
Charles Luttrell, ATA  
Kenneth Scott, ATA

## Photos were unavailable for these quarterly award winners

**Tracy George** – NAF Employee of the Quarter, Category I

**Tracy McDonald** – ATA Department Team Member of the Quarter, Test Assets and Support Department

**Aaron Adams** – ATA Department Craft Person of the Quarter, Integrated Test and Evaluation Department

**Brad Layne** – ATA Department Craft Person of the Quarter, Integrated Test and Evaluation Department

**Tim Commers** – ATA Department Craft Person of the Quarter, Test Assets and Support Department

**Brian Shields** – ATA Department Craft Person of the Quarter, Test Assets and Support Department

## Unique testing helps warfighter, saves lives

By **Jenny Gordeon**  
*78<sup>th</sup> Air Base Wing Public Affairs*

**ROBINS AIR FORCE BASE, Ga. (AFNS)** – When large transport or rotary-wing aircraft support a mission in a deployed location, there's always the threat of those wanting to harm the lives and assets onboard.

That includes risks from a range of shoulder-fired, vehicle-mounted and other infrared-guided missiles capable of following the path of an Air Force C-17 Globemaster III or C-130 Hercules, for example.

Here, helping to stop those missiles in their tracks happens through a joint partnership between members of the 566th Electronics Maintenance Squadron and Northrop Grumman engineers.

Known as Large Aircraft Infrared Countermeasures, or LAIRCM,

this sophisticated technology is a highly-effective and complex missile threat detection system. It combines a missile warning system and Guardian Laser Transmitter Assembly laser jammer. The countermeasures system uses a laser pointer-tracker.

LAIRCM's end goal is to not only detect a missile threat, but to track and defeat it by confusing the missile's guidance system so that it's destroyed. The processor, or brains of the system's central processing unit, is tested through various scenarios at a facility on base.

Engineers routinely test the interface unit that pilots use to load various software for different flight plans, preparing them in advance of any type of missile attack depending on location. This workload has been here for about four years.

A simulation can run a signal path all the way

through every portion of the processor, giving the operator a three-dimensional view of where a missile originated.

"The plane, via these missile warning sensors, detect when they've been fired upon," said Jeff Lamb, the LAIRCM element chief. "They're extremely accurate."

Another unique capability here is the presence of a laser firing range – a chamber coated with black walls to prevent the scattering and reflecting light as the GLTA laser is fired and tested. "It's basically a really high-tech laser pointer, similar to what you'd point at with your cat," Lamb said. "It is tested here on a firing table where we ensure we have a good beam pattern on the right frequency."

Just how powerful is it? "In less than a one-second exposure, you can be permanently blinded," he said.



## Arnold Golf Course 454-GOLF, 454-FOOD

Check us out on Facebook! Arnold AFB Services Golf Course

### 2013 Tournament Schedule

Sept. 5 – AEDC Golf League Awards Banquet

Sept. 19 – Thursday Night Scramble Ends

Sept. 21 – Member Member Tournament

Oct. 5 – Season Ending Tournament

Arnold Golf Course will host its **Member Member Tournament** at 8 a.m. on Sept. 21. Players will compete in a two person best ball format on the front nine holes, and two person scramble on the back nine holes. On course contest among players is closest to the pin on holes. Cost is \$80/team and includes lunch after the tournament. Call 454-GOLF to sign up by Sept. 19.

### Sausage and biscuits available in the Pro Shop

Monday through Friday. If you have an early golf outing during the week grab a quick breakfast before you start. These sausage and biscuits are from the Mulligan's Grill menu prepared in advance and placed in the warmer in the Pro Shop for your convenience. The biscuits are \$2 each and coffee is also available. The grill opens at 10:30 a.m. during the week and serves a full breakfast on Saturday and Sunday starting at 7 a.m. The Pro Shop will have the sausage and biscuits available starting at 7 a.m. Monday through Friday but limited quantities will be available so get them while they last.

**Mulligan's Grill** is open 10:30 a.m. to 2 p.m. Monday through Friday and 7 a.m. to 2 p.m. Saturday and Sunday. Call ahead orders for dine in or carry out, 454-FOOD (3663).

## Arnold Lakeside Center 454-3350

Check us out on Facebook! Arnold AFB Services Arnold Lakeside Center and Arnold AFB Services Information, Tickets and Travel

### ALC Features New Menu Items in September

If you haven't been to Arnold Lakeside Center lately then we invite you to stop by and try our **new menu**. There are a lot of new items with something to please everyone. From bruschetta to chicken and waffles to fish tacos and chicken lettuce wraps. There are even specialty burgers and chicken pot pie. Pizzas are still available in a variety of selections. The dining room is open Thursday from 5-8 p.m. during free movie night and open Friday and Saturday from 5-9 p.m. Call ahead, 454-3350, for advance or to go orders. In September, every Friday will feature a different menu item:

**Sept. 6:** Fish Tacos – Flour tortillas folded around battered fish, with jicama slaw and spicy mayo- served with refried beans and Spanish rice

**Sept. 13:** Enchiladas Tejanos- Two ground beef enchiladas in flour tortillas smothered in cheese and red sauce- served with refried beans and Spanish rice

**Sept. 20:** Shrimp and Grits- Sautéed shrimp with

onion, bacon, and pepper served over cheesy grits

**Sept. 27:** Asian Chicken Lettuce Wraps- chopped and sautéed teriyaki chicken served with steamed rice and lettuce

### Movie Schedule

September Movie Schedule. Movie nights are Thursdays at the Arnold Lakeside Center, with movie start time of 6:30 p.m. and dinner available from 5-8 p.m.

**Sept. 5** – “Star Trek: Into Darkness,” rated PG-13 (2 hrs. 12 mins.) starring Chris Pine, Zachary Quinto and Zoe Saldana. After the crew of the Enterprise finds an unstoppable force of terror from within their own organization, Captain Kirk leads a manhunt to a war-zone world to capture a one man weapon of mass destruction.

**Sept. 12** - “Iron Man 3,” rated PG-13 (2 hrs. 10 mins.) starring Robert Downy Jr., Gwyneth Paltrow and Don Cheadle. When Tony Stark's world is torn apart by a formidable terrorist called the Mandarin, he starts an odyssey of rebuilding and retribution.

**Sept. 19** – “Fast and Furious 6,” rated PG-13 (2 hrs. 10 mins.) starring Vin Diesel, Paul Walker and Dwayne Johnson. Hobbs has Dom and Brian reassemble their crew in order to take down a mastermind who commands an organization of mercenary drivers across 12 countries. Payment? – Full pardons for them all.

**Sept. 26** – “World War Z,” rated PG-13 (1 hr. 56 mins.) starring Brad Pitt, Mireille Enos and Daniella Kertesz.

United Nations employee Gerry Lane traverses the world in a race against time to stop the Zombie

## Hours of operation

**Arnold Lakeside Center:** Catering/Management offices by appointment. Operations Clerk Monday- Friday 7:30 a.m.-4 p.m. Dinner: full menu available Thursday 5-8 p.m., Friday and Saturday 5-9 p.m.; Main Bar Thursday 5-8 p.m., Friday 4-10 p.m. and Saturday 5-9 p.m.; Social Hour Friday 4-6 p.m., Movie Night Thursday 6:30 p.m.  
**Information, Tickets & Travel (ITT):** Tuesday through Friday 10 a.m. – 3 p.m.  
**Café 100:** Monday through Friday 6:30 a.m. – 1 p.m. Lunch starting at 10:30 a.m.  
**CLOSED Monday Sept. 2**  
**Barber Shop:** by appointment – Monday, Tuesday, Thursday & Friday 8 a.m. – 4 p.m. **CLOSED Monday Sept. 2**  
**GLC (office located at Arnold Lakeside Center):** Monday through Friday 7:30 a.m. – 4 p.m. May vary depending on bookings.  
**Outdoor Rec:** Tuesday through Sunday 8 a.m. – 6 p.m. FamCamp Store Friday through Sunday 12-4 p.m. Also open Monday when in conjunction with a holiday weekend.  
**Fitness Center:** Monday-Friday 5 a.m.-7:30p.m.; Saturday 8 a.m.-1 p.m.; Sunday Closed. **Sept. 2: Open 8 a.m.-1p.m., no classes.**  
**Arnold Golf Course:** Pro Shop & Driving Range 7 a.m. – 7:30 p.m. Closed during inclement weather. Driving Range open 24 hours with prepurchased key card. Mulligan's Grill Monday through Friday 10:30 a.m. – 2 p.m., Saturday and Sunday 7 a.m. – 2 p.m.  
**Recycling:** Monday through Friday 6 a.m. – 2:30 p.m.  
**Wingo Inn:** Monday through Friday 7 a.m. – 6 p.m., Saturday and Sunday 8 a.m. – 4 p.m.  
**Non-appropriated Funds Human Resources:** Monday through Friday 7:30 a.m. – 4 p.m.

pandemic that is toppling armies and governments, and threatening to destroy humanity itself.

**First Friday Jam** will be held at 6 p.m. Sept. 6. Come to play, listen, dance and enjoy. Join in with the band to play an instrument or sing. Or take over and do your own performance. Dinner is available from 5-8 p.m.

Arnold Lakeside Center will host a **Members Only Texas Hold 'Em Tournament** every Saturday through Oct. 12, excluding Sept. 21 due to special function. Play will begin at 6 p.m. in The Landing bar. There is no cost to enter but all players must be age 18 or older. Players will be divided evenly among tables in random draw placement each week. The number of tables will be determined by the number of participants each week. Tables will be responsible for the deal at each table. A dedicated dealer will be provided for the champi-

onship table. As players are eliminated, the number of remaining players will be redistributed throughout the night to make as many even-number tables of players per game until the final eight. Placement points will be determined by finishing ranking each week once the player pool gets down to the final eight players of the night. Players eliminated before final eight will not receive points. Point placement is as follows: eighth place: 1 point, seventh place: 2 points, sixth place: 3 points, fifth place: 4 points, fourth place: 5 points, third place: 6 points, second place: 7 points, first place: 8 points. A running seven-week tally of total weekly points will determine the ranking order to decide who plays in the final championship round. The Championship Table will be made up of the top 8 players plus any ties from the seven-week standings. Winning a single week does not guarantee a seat at the Championship Ta-

ble. Seats are decided by point ranking only. Play will be single elimination. Prizes will be given to top two winners each week. Grand prizes will be given to the top three finishers in the championship. There will also be a perfect attendance finals table for anyone who did not get into the championship table but attended each of the seven week events. Prizes will be awarded to the top three finishers at the perfect attendance finals. Dinner is available every Saturday from 5-9 p.m.

**Brushes and Bottles** will be held 6-8 p.m. at the GLC Sept. 12. Bring your favorite beverage and get ready to get creative as an instructor will lead you through a canvas painting work of art step-by-step. By the end of the evening you will have your own masterpiece to take home. A different design will be done each month. These painting parties are for all

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skill levels ages 21 and over with a cost of only \$25 per person. All paint, brushes, aprons, easels, canvas and other necessary materials will be provided. All you have to bring is your beverage of choice. Light snacks will be provided and other beverages will be available for purchase. Deadline to sign up for this event is Sept. 6. Class size is a maximum of fifteen. Call 454-3350 to sign up or for more information. The next Brushes and Bottles class is scheduled for Oct. 15.

Arnold Lakeside Center **Dart Tournament** continues in The Landing consisting of 301 and Cricket ending Oct. 18 with a championship finale. There will be two single elimination tournaments from 6-9 p.m. on Sept. 20 – following American Darts Organization rules. Players may enter both the 301 and Cricket tournaments. There will be a continuing points system with point totals going toward the final seeding for the championship tournament to be held Oct. 18. Points will be as follows: 1st place – 8 points, 2nd place – 7 points, 3rd – 6 points, 4th – 5 points, 5th – 4 points, 6th – 3 points, 7th – 2 points and 8th – 1 point. Services Bucks will be awarded to 1st and 2nd place finishers in each monthly tournament. The championship winners will receive a set of darts. If the same person wins both championships then the two second place finishers will have a play-off to determine the other champion. This event is for ages 18 and up. Darts will be provided or players may bring their own ADO regulations darts.

Welcome back Books are Fun for a book fair Sept. 17 in Café 100 from 9:30 a.m. to 3 p.m. Discounted selections include paperbacks, best sellers, educational, reference, cookbooks, children's items, gift selections and more. Save up to 70 percent off retail prices. The next book fair is scheduled for Dec. 3.

Arnold Lakeside Center will host an **End of Summer Heat Event** at ALC Sept. 20 end of summer, end of fiscal year and end of furlough bash at the ALC on Sept. 20 for ages 21 and older. There will be a movie in the ballroom, "The Heat," starring Sandra Bullock and Melissa McCarthy, starting at 6:30 p.m. This adults only party will feature drinks specials, Miller Lite pitchers for \$4, and snacks, such as jalapeno poppers and hot wings, that are sure to bring the heat. Dinner is available for purchase from 5-8 p.m. We hope to see you there!

**Last Friday Trivia Contest** will be Sept. 27. Trivia starts at 6:30 p.m. with questions in random categories. Teams may have up to four people. No cell phones are permitted during the event. Anyone using a phone while a question is underway will be disqualified. There are eight rounds with three questions per round. For rounds 1-4 teams have two, four and six points to wager per round. Rounds 5-8 teams will have four, eight and twelve points to wager per round. Only one points value may be used per question. For example, if you wager four points

on the first question then you must choose either two or six points for the next question. Whichever value is left must be used for the final question in that round. After the eighth round, teams may wager up to their total points earned for the final question. Prizes are awarded for top finishers.

**Chili Cook off Returning in October with added BBQ Cook Off**

The annual chili cook off is returning to the Arnold Lakeside Center Oct. 18 with a new spin. In addition to chili, teams may also compete in a pulled bbq cook off. Teams entering the event will need to provide all of their own supplies to prepare their entry, where cooking begins at 9 a.m. with final judging, taking place at 3:45 p.m. Teams need to be self-sufficient and make all necessary arrangements for electrical (if required), tables, chairs, utensils, containers, ingredients, etc. Power may or may not be available to contestants so teams need to plan accordingly. Cash prizes will be awarded in both contests, \$100 for 1st place and \$75 for second. If needed, 8 ft. tables are available to rent from the ALC or ODR (454-6084) for \$4 each and must be reserved in advance to ensure availability. Costumes and booth decorations are encouraged, but not required. Official rule sheet is available upon request. Call 454-3350 to register your team by Oct. 15.

**Gatsby style date night** is coming to the Arnold Lakeside Center Oct. 19, in honor of the release of the hit film, "The Great Gatsby" PG-13, starring Leonardo DiCaprio, Joel Edgerton and Tobey Maguire. Pull out your best attire and get ready to enjoy a celebration worthy of Jay Gatsby himself. Watch for more details in our next issue!

**Barber Shop** is located in the A&E Building in room A107 and is open

Monday, Tuesday, Thursday and Friday from 8 a.m. to 4 p.m. Haircuts are \$8 and are by appointment. Call 454-6987. CLOSED Monday Sept. 2.

**Fitness Center  
454-6440**

**Check us out on Facebook! Arnold AFB Services Fitness Center**

**Triple Threat Event** sponsored by the FC is set for Sept. 9-13. This challenge consists of shoulder press, deadlift, and squat, where the combined total pounds of the three lifts will be added. Top three scores for men and women will receive a free t-shirt. Call 454-6440 for more details or to sign up.

**Fall Fun Run** will be held on Sept. 18. Complete the 3.5 mile run at your own pace on the Fitness Center trail at your convenience. The first 25 to sign up and complete the run will receive a free t-shirt. Call 454-6440 to sign up.

**Group Class Schedule:** (for eligible users)

Boot Camp - Monday, Wednesday and Friday 6-7 a.m.

Yoga - Monday, Wednesday and Friday 11a.m.-12p.m.

Cycling - Monday, Tuesday and Thursday 11a.m.-12p.m.

Interval Training - Tuesday and Thursday 3:30-4:30p.m.

**New Group Class Schedule as of Oct. 1:** (for eligible users)

Cycling - Monday, Wednesday, and Friday 11a.m.-12 p.m.

Yoga - Monday and Wednesday 11 a.m.-12 p.m.

Interval Training - Monday, Wednesday, and Friday 6-6:45 a.m., Tuesday and Thursday 3:45-4:30 p.m.

**Outdoor Rec (ODR)  
454-6084**

**Check us out on Facebook! Arnold AFB Services Outdoor Recreation**  
**Did you know ODR now has disc golf?** Disc golf is a flying disc game in which individual players throw a flying disc at a target. Much like golf, the object of the game is to traverse a course from beginning to end in the fewest number of throws of the disc. The ODR course targets are portable so course location may change. Initial plans are to begin in the softball outfield behind the ODR building. Players may play for free with their own discs or rent discs from ODR for \$1 each. There are different sizes and weights of discs much like different clubs in golf to better serve the needs of the target desired. For more information on disc golf call ODR at 454-6084.

**Kayaking for Beginners** is an introduction course to kayaking. Come join us Sept. 7 as we have a day on the water exploring kayaking. Meet at the Crockett Cove pavilion at 9 a.m. where guests will learn about the kayak, equipment, emergencies, and wet exits. Following the class room time, participants will load equipment to go to the beach and practice entering, maneuvering, paddling and turning. A wet exit, basic self-rescue, and additional strokes will also be practiced. Participants will then take a tour of the lake to practice their new skills. The class will be approximately 4 hours in length. Cost is \$10 and the class is for ages ten and older. There must be at least three to take the

course and no more than 5. Sign up by Sept. 6.

**FamCamp outdoor movie night on Sept. 28.**

If you are camping over the weekend you can enjoy a free outdoor movie on Saturday beginning at 8 p.m. You're invited to bring your chairs or blankets to the open grass area behind the upper bathhouse, where we will be showing Despicable Me 2 (1hr. 38 mins.) starring Steve Carell, Kristen Wiig and Benjamin Bratt. "Gru is recruited by the Anti-Villain League to help deal with a powerful new super criminal." Join us for a night of fun under the stars.

**Archery Basics Class**

will be held at the Outdoor Recreation building at 9 a.m. on Sept. 14. Individuals will learn how to properly hold a bow, correct shooting technique and archery history. There must be at least 2 to hold the class and maximum class size is 12. The cost is \$5 and is open to all ages. Call ODR to reserve your spot by Sept. 13.

**Extended Stays available at FamCamp.**

The FamCamp is a wooded area off of Northshore Road on the banks of Woods Reservoir with tent and RV camping. Amenities include bathhouse with shower, barbeque grills, fire rings, lantern hangers, boat launch pad, picnic and beach area, covered pavilion as well as washer/dryer service and boat docking service. There are 18 tent sites and 36 RV sites, 15 of which are pull-through. All RV sites are equipped with 30 and 50 amp 115V service. Daily rates for RV camping are \$20 during the

summer and \$15 during the winter (Nov.-Apr.). Did you know that you can stay for up to three months at FamCamp? Monthly rates are \$450 during the summer and \$400 during the winter. Sites 27-36 are designated for extended stays. Extended stays are only allowed in three month increments and there must be a one month gap between stays. Reservations may be made up to 45 days in advance for active duty, National Guard and Reserve military. Up to 40 days in advance for military retirees and up to 30 days for DOD employees. All others may make reservations up to 20 days in advance. Tent camping is available at \$7 daily. Washer/Dryer service is \$2 and boat docking is \$5. A convenience store is open 12-4 p.m. Friday through Sunday May through October and open Mondays if in conjunction with a holiday weekend. Other camping is available at Crockett Cove and Dogwood Ridge. Crockett Cove offers five rustic cabins with heat and air, mini fridge, microwave, front porch swing, grill and picnic table. There is no running water but a bathhouse is on site. The one or two room cabins rent for \$40/\$50 per day during the summer and \$30/\$40 during the winter. Dogwood Ridge consists of six travel trailers with water, sewer, electric and propane complete with deck, picnic table and chairs. The trailers rent for \$40 daily, \$75 for two days or \$200 per week. Extended three month stays are also available at these areas.

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call Outdoor Recreation at 454-6084 for more details or to make reservations.

**RV and Covered Boat Storage slots available.** Outdoor Rec has slots available in the RV storage yard. Each slot is 30 ft. long and 10 ft. wide and rents for \$25 per month or \$250 per year. The covered boat storage has 9 slots open. The boat storage slots are 40 ft. long and 12 ft. wide and rents for \$45 per month or \$450 per year. Both storage yards require proof of registration and insurance of item placing in storage along with a signed contract based on length of stay. Access to the storage yard will be granted at the time the contract is signed.

Call for more details or to reserve your slot.

**Outdoor Rec inflatables!** There is an assortment of inflatables for almost everyone's needs. We have a huge backyard obstacle challenge measuring 40'L x 10'W x 13'H, and a double lane jump slide for only \$150 per day. We also have a giant basketball hoop for \$30 per day and a Rocket Bounce House for \$75 per day. If you need a water slide then our 18' Double Drop Wet/Dry slide will be great for any event and is only \$150 per day. Please contact Outdoor Recreation at 454-6084 to make your reservation today!

**Teambuilding Facilitation now available through Outdoor Rec.**

Book your team building event at least two weeks in advance and customize your activities to include leadership, communication, trust, conflict resolution and more. Our kit has 289 activities and can serve up to 120 participants. Large group challenges can accommodate up to 60 people. This equipment must be facilitated by an Outdoor Rec staff member and is not available for rent for private use. Department of Defense organizations may utilize the program for free. All others have the option of half day (4 hours) for \$50 or full day (8 hours) for \$100. Call to find out more information or book your team building event.

**Reservation Policy:**

FamCamp, Crockett Cove and Dogwood Ridge reservations may be made 45 days in advance for active duty and reserve military, 40 days for retired military, and 30 days for all other qualified personnel. Boat reservations may be made 15 days in advance for active duty and 10 days for other eligible individuals. All reservations are made through the Outdoor Recreation by stopping by or calling 454-6084.

**Wingo Inn  
454-3051**

**Check us out on Facebook! Arnold AFB Services Wingo Inn Reservations for Wingo Inn can be made**

120 days in advance. Room rates start at \$53.25 per night. Please call 454-3051 for reservations.

**Gossick Leadership Center  
454-4003**

**Check us out on Facebook! Arnold AFB Services Gossick Leadership Center**

The **Gossick Leadership Center (GLC)** may be used for events such as meetings, conferences, luncheons, dinners, etc. and is booked through the Services Conference Center Manager (CCM) up to one year in advance. Requests must be made in writing by email to *arnold.glc@arnold.af.mil*.

All event coordinators are required to sign an agreement. Official unit functions are authorized at no charge and are defined as bona fide official meetings or training held as part of the normal duty day. Unofficial and private functions may be held for authorized users at a fee. Community members may host events with the approval of the Services Director for a fee. Outside food and beverages are not allowed. First consideration must be given to Arnold Lakeside Center. In the event they cannot accommodate, an outside source may be utilized with CCM approval. For more information contact the CCM at 454-4003.

## Born in the military: One family's legacy of service

**By Senior Airman Benjamin Stratton**

*379th Air Expeditionary Wing Public Affairs*

**SOUTHWEST ASIA (AFNS)** – Military deployments are difficult for both the service member and the family members they leave behind. Being in a dual-military parent family doesn't make it easier, but after nearly 50 years of combined service, the current Wakefields are continuing their family's tradition.

"My great uncles served in the Army during WWII, my dad was an Army mortar man, I'm an aircraft maintainer and now my son is an infantryman in the Marines," said Chief Master Sgt. Gary Wakefield, the 7th Expeditionary Aircraft Maintenance Unit chief deployed from Robins Air Force Base, Ga. "As soon as my youngest graduates high school, he'll also join the Marines."

For the Wakefields, the military has become a way of life that's been passed down through the generations and as if by fate, the chief found himself a wife whose family also has a strong legacy of service.

"My dad spent 23 years in the Air Force as basically a security police officer," said Master Sgt. Dana Wakefield, who is assigned to the 94th Aeromedical Staging Squadron at Dobbins Air Reserve Base and working for the Air Force Reserve Management Group's Training Management Branch at Robins AFB. "So I grew up in the life of the military child with father gone a lot and mom struggling to keep it all together."

That sentiment is not-

ing new for (dual-) military families with at least one member gone every 20 months or less for various deployments, temporary duty assignments and unaccompanied one year "short" tours to places like Turkey and South Korea.

"I'm not going lie, it has been difficult at times leaving my family as often and as long as I have throughout my career," the 25-year chief said. "But we pulled through it as a family and I believe these experiences have made us stronger."

Not only was it hard for the chief, but those times dad was gone, were difficult for the family as well.

"All the deployments, unaccompanied tours and moving every two to four years does make you earn your pay check in very unexpected ways," Dana said, who has served for nearly 23 years herself. "I thought it would be easier for me having grown up that way, but it has been just as hard, maybe harder as I struggle to balance being a mom and serve my country in uniform as well."

Dana talked about how she's felt during deployments, especially now both her husband and oldest son are deployed at the same time.

"In the past deployments, I have felt every dark emotion known to womankind," she said. "You become needy in ways you can't understand and you can't explain. It is a strange situation because then they come back and while your new needs start to be filled, the deployment-related needs

stay unmet."

Dana thinks this is why many spouses suffer from various forms of stress disorders and depression.

"You think all is fine when they come back and then another deployment comes and bam, you get it right in the kisser and it all comes flooding back and your fears return," she said.

Deployments can be tough for military families, but Dana said the blessing is knowing they are coming home.

"While you are missing many areas of support from your spouse, your burden will lighten when they come home, especially if both of you work on the recovery after deployment," she said. "Having my husband and my son deployed at the same time is very strange. I think I am over my initial fear and anxiety, though I do get very weak in the knees whether I am sitting down or standing up when I say, 'They are both deployed.' But then I focus on how very proud I am of both of them."

Marine Pfc. Seth Wakefield, currently deployed to an undisclosed location in Africa, said it was his parents who really got him interested in the family business.

"I was always fascinated with the military and when Mom and Dad would sometimes come pick me up from school in their battle dress uniforms – I thought it was so cool," Seth said. "I think anyone who has family in the military, even distant relatives, when you tell someone about it, you fill with pride."

Seth is the older of the

two Wakefield boys, who beat his younger brother, Gage, to the "Semper Fidelis" way of life.

But how do you go from growing up Air Force to joining the Marines?

"I wanted a challenge," Gage said with a smile. "When I was little and my brother and I said we were going to be Marines, Mom would say, 'Ok, if you want to make your mother cry.' Now that we are older, she is happy with my choice, although she wishes I would be a linguist or intel."

Yet, like his brother, he plans to join the infantry.

"It gives me a sense of nationalism and pride," Gage said. "I see from my parents that being in the military is a wonderful way of life that grants amazing opportunities for my future."

Echoing his brother, Seth explained what it means to

him to have such strong figures in the home.

"My dad is an outstanding example for a young man to follow and I often times find myself in situations where I think of him and what he would do," Seth said. "And just like any good Marine, I often find myself paving my own path right through the hardest route then thinking, 'Shoot, I should have listened to him!' No, but I'm thankful my dad and mom are such great examples of outstanding military personnel."

That token holds true for how the chief and Dana feel of their son's continued commitment to the family tradition of service.

"I'm proud of my boys," the chief said. "What they've accomplished and plan to do with their lives – that commitment to service, like Dana and I have had, it is truly

humbling to know your boys want to serve their country because you served."

Dana added the military is their family business; it is passed down from father or mother to daughter or son.

"It is the way our family gives back to our community and our country," she said. "I am very proud of the two patriots we have raised and my hopes for them are bright and shiny just like the stars on our flag. We have a great love of our country, and as my Mom would say, 'Worts and all.'"

After more deployments, permanent changes of station, TDYs, etc., Dana and the chief said they couldn't have done it without their family, friends and often times, complete strangers.

"I am grateful for the many Americans I meet almost every day who say, 'Thank you for your service,'" Dana said.

