



HIGH MACH

Serving the World's Premier Flight Simulation Test Complex



Vol. 60, No. 8

Arnold AFB, Tenn.

April 22, 2013

AEDC team tests CASTOR® 30XL rocket motor in support of the Antares vehicle flight testing

By Philip Lorenz III
ATA Public Affairs

Testing is complete on an Alliant Techsystems, Inc.'s (ATK) CASTOR® 30XL developmental rocket motor in AEDC's J-6 Large Rocket Motor Testing Facility.

"AEDC is the only place to test this motor, due to their unique capability of being able to simulate upper atmospheric conditions," said Jeff Winter, ATK program manager for CASTOR 30XL.

Regarding the test article, Randy Quinn, a project manager for the AEDC's Space and Missiles Complex, said, "It's a relatively new motor with a pretty sophisticated composite case design, strong enough to withstand the stresses it will experience during firing, but balancing an increase in performance with a lower weight and cost of production."

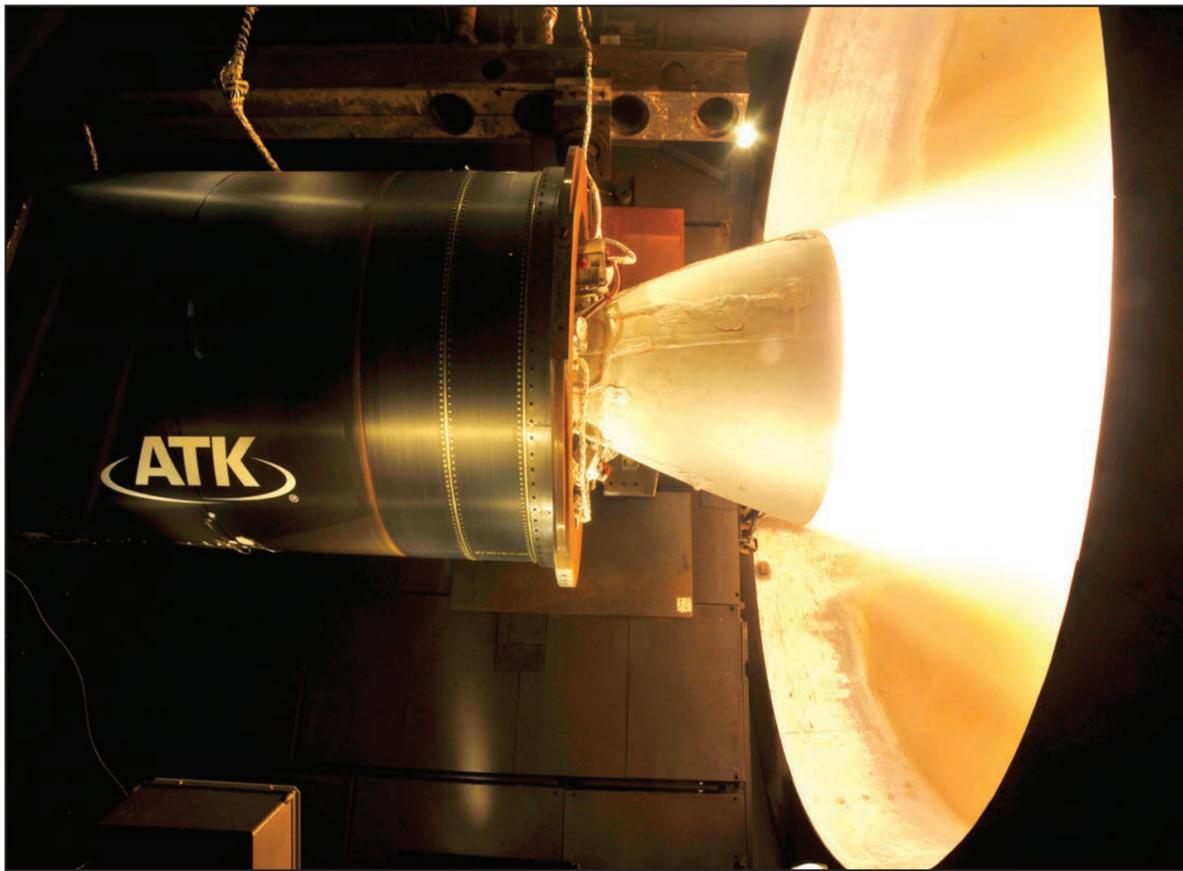
The upper stage developmental rocket motor underwent a final qualification static fire test in J-6 to boost the power of Orbital's Antares launch vehicle, ahead of a series of flight tests scheduled to take place at NASA's Wallops Flight Facility in Virginia.

The successive test flights will lead to cargo resupply flights of the Antares vehicle carrying a Cygnus spacecraft to the International Space Station (ISS) as part of NASA's Commercial Orbital Transportation program.

The first CASTOR 30XL motor is scheduled to fly on the fifth flight of Antares (ORB-3).

Quinn said the new motor being tested at AEDC, besides its application to help with the NASA resupply missions, will also support commercial and DOD missions.

Richard Kirkpatrick, AEDC's project manager for the test, and Quinn emphasized that the CASTOR 30XL motor is designed to



An Alliant Techsystems, Inc.'s (ATK) CASTOR® 30XL developmental rocket motor recently underwent testing in AEDC's J-6 Large Rocket Motor Testing Facility. (Photo by Rick Goodfriend)

provide greater payload for cargo resupply missions to the International Space Station.

The test measured thrust, pressure and burn rate, all of which depended on the internal pattern of the propellant during the firing in J-6.

Winter spoke about the hurdles involved with the recent rocket motor test.

The challenges with this type of test are largely associated with the new motor development and, in this case, the size of the motor and the amount of exhaust products that will enter the system at AEDC," he said. "The facility required significant upgrades, in order to handle the amount of exhaust products during the long static fire duration."

Winter added, "AEDC has always performed exceptional when conducting ground tests. They have been able to adapt to working on a commercial program and been more than willing to fill our request, and control ATK's corporate proprietary information. We appreciate the work they have done and applaud them on a job well done."

AEDC sees impact of sequestration

By Jason Austin
AEDC Public Affairs

On April 19 ATA, the prime operating contractor at AEDC, released 170 employees as a result of sequestration, a 10-year, automatic across-the-board spending cut imposed on the federal government by the Budget Control Act of 2011.

Sequestration began on March 1, half way into the fiscal year. The Air Force part of the reduction is approximately \$10 Billion for the remainder of Fiscal Year 2013.

The result at AEDC is a 29 percent reduction in Operations and Maintenance accounts and a 9.9 percent reduction in all other accounts such as Test and Evaluation Support; Major Test & Evaluation Investment; Facilities Restoration and Modernization; and Facilities Sustainment among others.

"A significant amount of our budget reduction is being taken through non-labor actions," AEDC Commander, Col. Raymond Toth wrote in a message to his workforce, "... no travel, limiting purchases, accepting more risk in projects, and de-scoping projects expected to extend beyond the current year, among other methods."

However, those non-labor reductions were not sufficient, based on the size of the cut, to fully mitigate ATA's

reduction in force. ATA's reductions included "voluntary, involuntary, early retirees, subcontractors, temporary employees and our corporate partners," said ATA General Manager Steve Pearson in messages to the ATA workforce.

"One of the toughest things is to let good people go, but we really had no choice. Sequestration had a huge impact on us and then some of our testing slipped to late in the fiscal year and into the 2014 fiscal year."

Initially ATA notified 207 employees of their reduction, but later rescinded 37 reductions as a result of a \$1.37 Million contribution from the 412th Test Wing at Edwards Air Force Base, Calif.

This is one example of how AFMC's five center construct is resulting in an enterprise view in the Air Force Test and Evaluation community according to the Air Force Test Center Commander, Maj. Gen. Arnold Bunch.

The remaining reductions will result in many impacts, but specifically the O&M reductions will force some changes to the way the entire Complex does business. For specific installation-wide impacts, refer to the "Operational Changes" box on page 3.

Congress recently passed the De-

See IMPACT, page 3

ACC plans events for ATA reduced-in-force and furloughed civilians

By Kathy Gattis
ATA Public Affairs

Arnold Community Council (ACC) members are hoping to make things a little easier for AEDC employees impacted by sequestration.

The ACC, a group founded to support and promote AEDC, is working with state agencies, elected officials and area leadership to organize community and career fairs in the coming weeks.

The state of Tennessee will participate and provide an overview of its services - from explaining unemployment benefits to resume-building classes, interview preparation and opportunities for tuition assistance. The state will also explain its "job matching" services.

Area career centers are looking at the skills of those being reduced-in-force and current job openings and talking with the companies they work with about possible future or upcoming job openings.

As part of the fair, there will be companies on hand to discuss job opportunities. The list of companies is still being developed and will be available soon.

In addition, there will be classes on bud-

geting, couponing, interviewing and resume writing.

Involved in planning the community fairs are ACC members, city and county mayors, chambers of commerce, local, regional and state economic and community development offices, labor and workforce development, health care professionals, the financial industry, local and state career centers, educational institutions and many others.

The events were originally planned for AEDC employees, but are now being opened up to others in the community who are unemployed or under-employed.

The idea of a community fair began when AEDC Commander, Col. Raymond Toth and ACC President Steve Cope met and discussed ways the community could help government civilians facing furlough and ATA employees being reduced-in-force.

For more information about the community and career fairs, be sure to check area newspapers, television, radio and www.arnoldcommunitycouncil.com and www.arnold.af.mil/sequestration.

If you have questions, call Public Affairs at 454-5655.

The ACC has a long-standing relationship with AEDC; the council was founded 13 years ago.



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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

High Mach is published by *The Tullahoma News*, a private firm in no way connected with the U.S. Air Force, Arnold Engineering Development Complex (AEDC) or Aerospace Testing Alliance (ATA), under exclusive written contract with ATA, complex support contractor, at Air Force Materiel Command's AEDC, Arnold AFB, Tenn., 37389.

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The *High Mach* office is located at 100 Kindel Drive, Suite B212, Arnold AFB, Tenn. 37389-2212. Editorial content is edited and prepared by AEDC support contractor ATA. Deadline for copy is Wednesday at close of business the week before publication.

This commercial enterprise newspaper is an allowable ATA contractor publication for personnel at AEDC.

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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

AEDC's Raabe warns personnel of spring hazards

By Jim Raabe
AEDC Safety



Jim Raabe

With spring suddenly upon us and summer right around the corner, comes a whole new set of hazards around the house and yard that can ruin your day or life!

Most of us are itching to get outside and do some needed yard work or attempt those postponed house repairs. I know because I started this weekend as well as all of my neighbors.

If there is one thing I could emphasize, I would ask all of you to keep safety in mind as you tackle these chores that you may not have done for six months or in warmer weather. Just like beginning a new exercise program, working out in the yard under a hot sun requires moderation until acclimated.

Here are a few hazards I never fail to witness each spring.

Why would anyone operate weed eaters without eye protection? Again, in my line of business I've investigated instances of people who have lost their vision because they were not wearing protective eye gear when whacking those nasty weeds! It's so easy to strike a small pebble or twig and have it ricochet toward your eyes. Safety eyewear is relatively cheap. You can protect your eyes for \$3-\$10.

Figure 1 shows how these safety glasses lens protected

an eye from an air powered staple gun. Protective eyewear has come a long way and you too could look cool and be safe while whacking those pesky weeds.

Ever see daddy riding proudly on a lawn mower with a small child on his lap? As a father, this one really bothers me knowing what could happen. Sure – every kid wants to be like dad and ride the big green mower but dads need to step back and heed safety.

Manufacturer's instructions always state do not allow children to ride as passengers or even be near the mower while in operation. There's a reason for them to warn consumers and usually these warnings were the result of a serious injury or death.

Just think what could happen and how you would feel if you caused a debilitating injury to your own child. This is just one of the many hazards identified in your

manufacturer's instruction which now accompany everything you buy today. Read them and operate machinery safely.

How many times have you seen someone pushing a powered lawnmower with flip flops or other less than adequate footwear? Always use steel toed shoes for this task. If you've ever seen someone who wasn't wearing adequate footwear and pulled a lawnmower over their foot or over the foot of a child, who should not have been there, you know what I mean.

In fact, Dr. Scott Kozin of the Shriners Hospitals for Children who is a pediatric hand and foot surgeon has treated dozens of kids injured by lawn mowers. He says mower accidents are the number one cause of foot amputations in children nationwide. There are many stories and gruesome photos on the internet of amputations or disfigured limbs of people who didn't wear protective equipment when cutting lawns. Follow the manufacturer's recommendations and use your good sense to be as safe as you can possibly be.

Another one of the hazards frequently observed are ladders leaning on a building at an excessive angle, not tethered or not extended by three feet over the surface – I see this all the time. In fact, a friend at church broke his

hip from a four-foot fall when he leaned instead of moving the ladder.

What can you do to reduce the risk of a fall? Tie-off single ladders to prevent movement where practical and ensure they are erected at the right angle. The suggested angle to erect ladders is a 4:1 ratio which equates to every four feet (or rungs) up the ladder the feet should be one foot further away from the side of the building (see Figure 2). Both provide the stability required to help prevent falls.

Also remember to inspect ladders. A damaged ladder will still fail if you do everything else right! Ensure the ladder is not bent, rivets broken, footings are intact and the ladder is rated for the intended purpose, i.e. don't use a metal ladder to do electrical work! Remember to use all ladders as intended by the manufacturer.

Last but not least is the one-handed chain saw draw. Even high ranking executives don't get away with this one.

I knew someone who nearly whacked off his nose and cut his shoulder deep when trying to reach a branch with one arm while the other arm tried to maintain balance. Note – I said "tried." He lost balance and didn't have full control of the chainsaw so the saw did some damage. You know what a chainsaw can do to hard wood, so why take a chance and allow it to cut like butter through your muscle? Also wear additional personal protective equipment as required by the manufacturer's instructions.

I'm sure you noticed I referenced the "manufacturer's recommendations/instructions" numerous times. One sentence in most manufacturers' instructions should stick out like a sore thumb "improper use can cause serious or fatal injury"!

Just like at the worksite, you must follow written procedures and warnings at home or a serious injury could occur. Have a safe spring and summer!

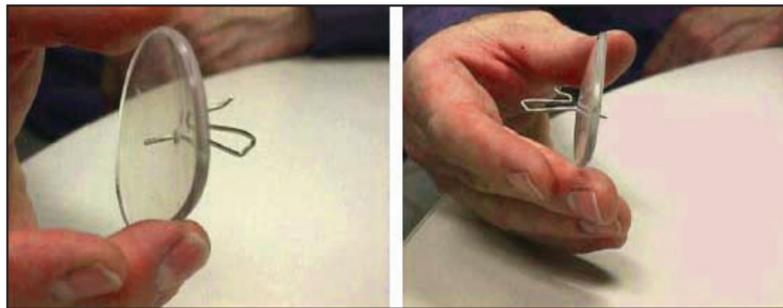


Figure 1: Safety eyewear lens (Photo provided)

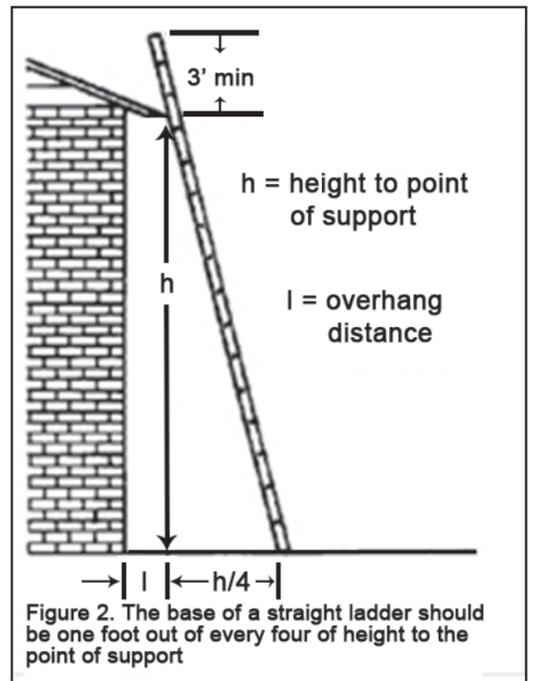


Figure 2. The base of a straight ladder should be one foot out of every four of height to the point of support

Distracted driving: Where's your mind AEDC?

By AEDC Safety

Distracted driving is any activity that takes your eyes off the road, your hands off the wheel or your mind off your the primary task of driving safely.

While texting and driving has been at the forefront

when it comes to publicity, a recent study by the Erie Insurance Group says it's actually not the number one cause of distracted driving fatalities. So, what is?

Daydreaming or being "lost in thought" is responsible for more fatal U.S. car crashes than mobile phone

use, according to the Erie findings, who called the study results "disturbing."

Just the Facts:

Daydreaming or allowing your mind to wander was the distraction 62 percent of the time, compared with 12 percent for mobile phone use. "Rubbernecking" or fo-

cus on an outside person or event came in next as a leading cause of distraction, followed closely by talking with passengers.

Other distractions include smoking, eating, drinking, adjusting vehicle controls, operating a GPS, and interference from a moving object such as a pet or insect in the car.

Erie's study was based on police data from 2010 and 2011 from the National Highway Traffic Safety Administration's Fatality Analysis Reporting System.

It showed police listed the majority of drivers who were distracted as 'generally distracted' or 'lost in thought.'

In recognition of the dangers of distracted driving, April has been declared National Distracted Driving Awareness Month.

Distracted driving can be reduced by recognizing the behaviors and conditions that are likely to take our attention away from the road, focusing on driving routes ahead of time, and by time management to avoid the need to multitask while driving.

The Great Multitasking Lie

DEBUNKING THE MYTHS OF CELL PHONE DISTRACTED DRIVING

Most people may know that texting while driving is a dangerous behavior, but many don't fully grasp the idea that having cell phone conversations in the car is also risky. Below, the National Safety Council helps dispel the illusion of multitasking and the myths that blind the public into believing it is safe to use your cell phone while driving.

Consider This

It's no mystery: Americans today have an unhealthy obsession with their cell phones.

- A 2012 survey conducted by the AAA Foundation for Traffic Safety found that **more than two in three** drivers report talking on their cell phone while driving at least once in the past 30 days.
- Nearly **one in three** say they did this "fairly often" or "regularly."
- Drivers talking on handheld or hands-free cell phones are **4X** as likely to be involved in a car crash.
- In addition, the National Safety Council currently estimates that people talking on cell phones while driving are involved in **21%** of all traffic crashes in the United States.

The average cost of a property damage crash in 2011: **\$9,100**

*According to a 2010 annual estimate.

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 designated smoking areas is available on the AEDC web portal at https://es.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.

- Supervisors at every level will ensure this policy is followed. Disciplinary action is appropriate for repeated violations.
- Updates to this policy will be made in the future to further align with Air Force guidelines.
- This letter supersedes previous letter dated 28 October 2006, subject as above.

AEDC advocates 'New Challenges – New Solutions' for 2013 National Crime Victims' Rights Week

By Leslie McGowan
AEDC Judge Advocate Office

National Crime Victims' Rights Week, a time to honor crime victims and our nation's progress in advancing their rights, began April 21. This year's theme is New Challenges – New Solutions which reflects the increasingly complex mission of victim advocates today and celebrates the spirit that will advance the progress these heroes achieved.

Only 30 years ago, crime victims had no rights, access to crime victim compensation, or services to help rebuild their lives. They were often excluded from courtrooms, treated as an afterthought by the criminal justice system, and denied an opportunity to speak at sentencing.

Through decades of advocacy and hard work, we have come a long way. Today, all states have enacted crime victims' rights laws and established crime victim compensation funds. More than 10,000 victim service agencies help victims throughout the nation. Every year, states and localities receive millions of

federal dollars to support these services.

But National Crime Victims' Rights Week reminds us that many challenges remain. Crime victims' rights are not universal and are often not enforced. Only a small percentage of victims receive crime victim compensation, which is usually limited to victims of violent crime. According to previous years' National Crime Victimization Surveys, more than 50 percent of violent crimes were not reported to police in 2006-2010. In addition, a 2011 report called the Use of Victim Services Agencies by Victims of Serious Violent Crime showed that only nine percent of violent crime victims received needed services in the 1993-2009 timeframe.

Advocates also face a host of new challenges as they strive to provide culturally competent services for increasingly diverse populations (e.g., seniors, teens, immigrant populations) and victims of newly prevalent crimes (e.g., trafficking and technology-related stalking and identity theft). As funding sources decrease, providers



must target their services even more strategically.

"New Challenges – New Solutions, captures our mis-

sion in the 21st century," said Joye Frost, acting director of the Office for Victims of Crime (OVC), U.S. Department of Jus-

tice. "As reflected in OVC's major strategic planning initiative, Vision 21: Transforming Victim Services, we must craft a new vision for reaching all victims of crime. We can achieve this only by substantially broadening our thinking, strategically planning our future, and creatively expanding our resources and tools."

National Crime Victims' Rights Week is April 21-27 in communities throughout the nation. In Washington, DC, the U.S. Department of Justice will hold OVC's annual Service Awards ceremony that month to honor outstanding individuals and programs that serve victims of crime.

OVC encourages widespread participation in the week's events and in other victim-related observances throughout the year. For additional information about 2013 National Crime Victims' Rights Week and how to help victims in your community contact Leslie McGowan at (931) 454-4657. For more ideas on how to volunteer to help crime victims, visit the Office for Victims of Crime website, www.ovc.gov.

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partment of Defense Appropriations Act which is a continuing resolution to fund the Department for the remainder of the Fiscal Year, which has provided some additional funding and increased flexibility under sequestration, however, the relief from that act has not yet been fully realized at the Complex level. "However, our higher headquarters are still determining if the CR will provide any leeway," Toth wrote.

Additionally, an increase in the test workload at AEDC, which would provide additional funding, may result in a re-hire of some

employees. "We know our test workload is the key to being able to bring back a large percentage of those impacted and we're doing everything we can to improve this situation," Pearson wrote.

In the meantime, ATA has provided departing employees with re-employment resources, such as resume assistance and unemployment compensation information. Additionally, there are several community fairs being planned by the Arnold Community Council to provide resources to impacted employees.

The Air Force and ATA have been proactive in promoting their Employee Assistance Programs which provide counseling to employees who may face difficulties coping with their circumstances.

Toth encouraged all employees "to look for ways to save while remaining focused on your vital part of our mission. More importantly, look for ways to help those who are most affected. By working together, I am confident that Team AEDC will get through this situation and continue to provide expert aerospace solutions to the Nation."

ATA Operations Changes Effective April 22

The recent staff reductions effective Friday will impact all organizations across the complex including DoD organizations. Please be aware of the following reductions and adjust accordingly as they begin April 22:

Security

- Gate 2 operations will change to 6:30 a.m. until 2 p.m. (Monday-Friday). The Gate 2 exit lane will reopen from 3:30-4:15 p.m. (Monday-Friday) to allow for end of shift traffic to exit the base and avoid traffic back-up at the Main Gate. All traffic leaving after 4:15 p.m. must exit through the Main Gate.
- DoD and ATA offices that have commercial deliveries are requested to notify their suppliers of the new Gate 2 operating hours; weekend deliveries are highly discouraged. Please notify your freight handler/commercial delivery contacts that delivery inspections/checks will not begin until 7:15 a.m. (Monday-Friday).
- Expect longer wait times at the Visitor Center for base entry.

Logistics/Transportation

- Expect delivery time delays for supply/property items; deliveries will increase from one day to an estimated three days.
- Transportation for base tours has been eliminated.
- Vehicle and equipment repairs will be delayed by up to three days.
- Expect 1-2 day delays for outbound shipment processing.
- Pick-up and handling of excess items will be limited to two days per month as opposed to upon request. Please plan for pick-up and removal of excess items well in advance.
- 3400 Benchstock material replenishment is no longer funded. Once current stock is depleted, materials must be ordered through the standard purchasing process or obtained through the Fastenal Superstore facility.
- Dedicated customer service support for high priority project material coordination has been eliminated. Customers are required to call 454-4517 or 454-4797 for urgent material needs. Service will be provided on a priority basis.

Civil Engineering

- Expect delays for building maintenance repairs and service calls.
- Expect processing times to double coordination, planning, scheduling and estimating of work requests for building maintenance requirements.
- Dedicated building management services for Bldg 100 occupants will cease and be refocused to support Master Work Permit coordination. Occupants will submit work requests to Help Desk (ext 4040) for processing. Kristi Farris will act as the POC for issuing Master Work Permits for work to be performed in this building and will also have keys to the mechanical rooms and a master key to support lock-out situations.
- Grass mowing and trimming will not be performed with the exception of occasional cuts on Wattendorf, around the perimeter fence and around explosive storage areas. Please use caution walking through lawn or grass areas.
- The Construction Debris Landfill Operations will only be opened two days per week (Monday and Thursday)
- Office moves will be significantly reduced and delayed.

Custodial Services

- All office, break room and hallway trash removal will cease. Individuals are responsible for taking their trash to the nearest building dumpster.
- All floor cleaning (carpet, tile, concrete) will cease.
- Restroom cleaning will decrease from 3 times a week to 2 times a week for all buildings.

AEDC's Trull graduates from FBI National Academy course

By Philip Lorenz III
ATA Public Affairs

AEDC's Manager of Emergency Services, Rick Trull recently graduated from the 252nd Session of the Federal Bureau of Investigation (FBI) National Academy Program at Quantico, Va. He was the first Arnold Police Department officer to graduate from the 78-year-old academy's program.

"It was a once-in-lifetime experience, no doubt about it," said the Manchester resident, who joined AEDC's workforce in 2002 after completing a 25-year career with Air Force Security Forces.

Internationally known for its academic excellence, the National Academy Program, held at the FBI Academy, offers 10 weeks of advanced investigative, management and fitness training for selected officers having proven records as professionals within their agencies. On average, these officers have 19 years of law enforcement experience and usually return to their agencies to serve in executive-level positions.

Besides enjoying the challenge of high caliber and fast pace training, both academic and physical, Trull felt honored to receive his course completion certificate from FBI Director Robert Mueller and hear anti-terrorism presentations from such noted authorities as former USS Cole Commander Kirk Lippold and the pilot Michael Durant, who was portrayed in the movie "Blackhawk Down."

"It was an opportunity to share and become familiar with how other people [in law enforcement] deal with the same types of situations and events that we have right here at Arnold Air Force Base and to learn from their experiences to make ourselves better," Trull said.

Trull found the pace of the classes a challenge, but one that brought out the best in the students.

"You had four to five classes a day, each one of those classes had multiple research papers that were due over a 10-week period,"

he said. "And there were multiple presentations – you really had to stay on a pretty tight schedule to be able to stay up with it. As a side note, I continued my master's program studies through Bethel University. I want to be able to graduate in December of this year, so I had to continue to be able to make my goal."

Trull said a lot about the FBI program impressed him.

"I got to meet some great dynamic speakers, people who have really been involved in the thick of things," he said. "Besides the more well-known speakers, we heard from retired police professionals such as the former police commissioner from New York and Los Angeles – those guys who have dealt with much more significant problems than we have."

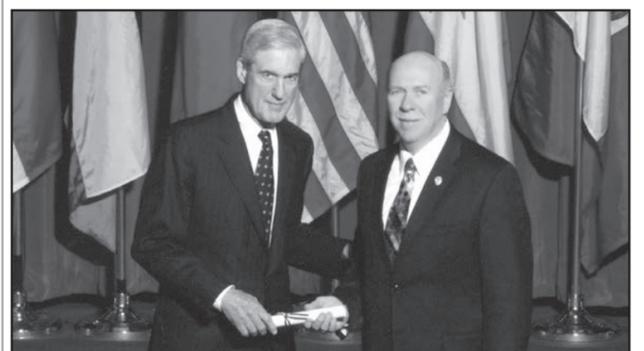
Classes included lessons, presentations and workshops – practice sessions – on topics like terrorism, both foreign and domestic and leadership psychology.

Trull has been busy since returning from the program to implement the lessons learned from the FBI National Academy Program.

"I've passed quite a bit of information back to our shop and the leadership lessons are ones you take with you every day and have the opportunity to tailor them to the needs we have at Arnold," he said.

Trull added, "The neat thing about this program is it doesn't matter if you've got a 10,000 person department in a city like New York City or Los Angeles or if you've got a 55 person department in rural Tennessee. The issues are the same, crime is crime, and terrorism is terrorism. Asset and resource protection is the same regardless [whether] it's a pharmacy on a downtown street in Los Angeles or if it's a test facility at Arnold Air Force Base. Asset management and security is what you're talking about."

"A lot of the issues are the same, but it's just the scale. So, the opportunity to share and exchange with folks who face the same issues that you do, it's just priceless."



From left, FBI Director Robert Mueller presents Rick Trull, AEDC's emergency services manager, a certificate for completing the FBI National Academy Program course in March. (Photo provided)

AEDC Fire Department joins community exercise training

By Philip Lorenz III
ATA Public Affairs

When the Hillsboro Volunteer Fire Department recently hosted the 2nd Annual Multi-County Live Burn Weekend at the Hillsboro Park, firefighters had a busy day.

“The event brought more than 100 firefighters from every surrounding city and county to train in Putnam County’s mobile live fire trainer,” said Daryle Lopes, AEDC fire chief. “Experience levels ranged from rookies to long time veterans.”

The event was a combined training session where 102 firefighters from 18 departments across five counties refreshed their memory and honed their skills.

“AEDC’s contribution included teaching fire attack in the live burn trailer, teaching automobile extrication techniques at the Hillsboro Fire Hall and supporting Self Con-

tained Breathing Apparatus (SCBA) air re-supply with our Bauer mobile air compressor,” Lopes said.

The majority of the day was spent rotating around various training stations which included a structural fire simulator brought in from Putnam County Fire Department, vertical ventilation tactics, vehicle extrication, hazardous materials fundamentals taught by Coffee County EMA Director Allen Lendley, firefighter survival, and a ropes and knots station teaching the fundamentals of rope rescue.

In an effort to enhance working relationships with the surrounding departments, firefighters were divided into groups that consisted of multiple departments in order to share their skills and stories with the other members on their team.

Participating counties included Cannon, Coffee, Franklin, Grundy, Putnam and Warren.

“Whether we’re teach-



From left, Hillsboro Volunteer Fire Department Chief Jerry Brown and AEDC Fire Department Assistant Chief of Operations and Hillsboro Volunteer Fire Department team member George DeShields, conduct an after-action brief upon completion of a live fire exercise during the recent 2nd Annual Multi-County Live Burn Weekend at the Hillsboro Park. (Photo provided)

ing basic techniques to new recruits or advanced subjects like rope rescue, you just can’t put a value on this kind of training and cooperation between fire departments.” Lopes said. “It’s where we learn to be safe and sharpen the skills that will soon be called upon to save a life or help

someone in distress.”

Lopes added, “It takes a lot of planning, sacrifice and hard work to train so many fire fighters. I’m extremely proud of all the counties who planned and supported the program and I could not be more proud of the contributions our AEDC fire fighters made.”



From left: Two community volunteer firefighters listen and watch as George DeShields, assistant chief of operations for AEDC’s Fire Department and volunteer Hillsboro fireman, conducts live fire instruction during the recent 2nd Annual Multi-County Live Burn Weekend at the Hillsboro Park. (Photo provided)

Norwegian Defense staff member visits AEDC



Jon Ulv Deglum, a captain with the Norwegian Defense Staff, visited AEDC April 16. Deglum is a member of a six-person Rotary Group Study Exchange (GSE) team visiting the Tullahoma area for five days as part of a four-week visit to Tennessee. Rotary’s GSE program is designed for vocation and cultural exchange. Pictured here from left is Don Miller, AEDC chief of police; Pat Eagan, ATA mission support director; Deglum and Rick Trull, AEDC emergency services manager. Greg Sandlin (not shown), an ATA engineer and Tullahoma Rotary Club member escorted Deglum during his visit. (Photo by Greg Sandlin)

AFTC Commander Bunch adds second star

By 412th Test Wing Public Affairs

EDWARDS AIR FORCE BASE, Calif.—As of April 4, Arnold “Arnie” Bunch Jr. is now a major general. The Air Force Test Center is coordinating a promotion ceremony and reception for the general, which will be announced as details are finalized.

General Bunch was commissioned in 1984 as a graduate of the U.S. Air Force Academy. He completed undergraduate pilot training in 1985. He completed operational assignments as an instructor, evaluator and aircraft commander for B-52 Stratofortresses. Following graduation from the Air Force Test Pilot School,

Bunch conducted developmental testing in the B-2 Spirit and B-52 and served as an instructor in each. Additionally, he has commanded at the squadron, group and wing levels. Prior to his current assignment, he was the Commander of the Air Force Security Assistance Center, Air Force Materiel Command, Wright-Patterson AFB, Ohio.

As the AFTC commander, he directs a \$31 billion enterprise of more than 18,000 military, civilian and contractor personnel across Edwards AFB, Eglin AFB, Fla., and Arnold AFB, Tenn. The AFTC provides develop-



Maj. Gen. Arnold Bunch Jr.

mental test and evaluation of experimental and research manned and unmanned air, space and cyber systems for military services, DARPA, NASA and international partners, in addition to operation of the U.S. Air Force Test Pilot School.

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ISO 9001:2008 recertification approved for AEDC's prime contractor

By Raquel March
ATA Public Affairs

Personnel with AEDC's prime contractor ATA are credited with accomplishing ISO 9001:2008 recertification.

ATA was recertified ISO 9001:2008 compliant after an audit performed by external registrar Det Norske Veritas (DNV.)

"Each ATA employee directly contributed significantly to this major accomplishment which requires commitment to our process based man-

agement system, professionalism and teamwork," said Jerry "JT" Northcutt, ATA quality manager and management system branch manager. "Maintaining ISO 9001 certification is a contract requirement specified by the government."

The ISO (International Organization for Standardization) 9001:2008 provides guidance and tools for companies and organizations who want to ensure that their products and services consistently meet customer's requirements.

DNV uses a certification

standard produced by the ISO Committee on Conformity Assessment (CASCO) to certify ATA.

This audit assessed the maintenance and compliance of ATA's established management system like policies and procedures. An audit reveals evidence that the system is continually improving and meeting customer requirements. The audit resulted in a three-year recertification which continues through the end of ATA's current contract with AEDC.

"Recertification to the

ISO 9001:2008 Standard means that the ATA Management System has proven inherent value over time for sustaining and improving organizational performance for operating and maintaining AEDC," Northcutt said. "Also, being ISO certified is a requirement to provide test and development services for some of AEDC's commercial customers."

ISO 9001:2008's strategic tools reduce costs by minimizing waste and errors and increasing productivity. Some benefits for implementing standards

also include enhanced customer satisfaction and environmental benefits.

Northcutt explained that ATA's discipline in executing policies, procedures, methodologies and practices reduces the variability of AEDC's products and services maintaining the Complex's unique capabilities.

"This is more relevant to AEDC today than ever before," he said. "Our nation is developing fewer new aerospace and weapons systems. Accordingly, there is less tolerance for those

development efforts to fail in cost, schedule, or budget expectations.

"Process discipline and continual improvement is a key to meeting this objective. Developing and maintaining our management system to meet ISO 9001 certification requirements has proven time and again to enable the kind of process discipline needed by AEDC."

ISO 9001:2008 is implemented by more than one million companies and organizations in more than 170 countries.

Air Force Reserve celebrates 65 years of historic service

By Col. Bob Thompson
Air Force Reserve Public Affairs

WASHINGTON (AFNS) – President Harry S. Truman signed legislation on April 14, 1948, establishing the modern-day Air Force Reserve. The new organization reaffirmed the "Citizen Airmen" concept that reaches back to the Army Air Service reservists of the First World War.

This came seven months after Truman established the fledgling U.S. Air Force as a separate service from the Army in the aftermath of World War II. Truman envisioned a new Reserve Component to continue the tradition of service – "being ready when called upon."

Today, Citizen Airmen perform leading roles in military operations, humanitarian crisis and disaster relief around the globe. The Air Force Reserve consists of officers, enlisted and civil servants who are tasked by law to fill the needs of the armed forces whenever more units and people are required than are in the Regular Air Force.

More than 860,000 people make up the Ready, Standby, Retired and Active Duty Retired Reserve. This includes more than 70,000 Selected Reservists who are ready-now and participate in every job specialty and on the front lines of daily military operations around the globe.

The earliest roots of the Air Force go back to the Aeronautical Division of the U.S. Army's Office of the Chief Signal Officer which took charge of military balloons and air machines in 1907. This division grew into the Army Air Service, authorized by Congress and the National Defense Act of 1916.

Later, the first two air reserve units were mobilized, and one of them, the First Aero Reserve Squadron from Mineola, N.Y., deployed to France as the United States entered World War I in 1917. The new "Air Service" reserve program provided the war effort about 10,000 pilots



Jimmy Stewart began flying combat missions on March 31, 1944, and was appointed Operations Officer of the 453rd Bomb Group and, subsequently, Chief of Staff of the 2nd Combat Wing, 2nd Air Division of the 8th Air Force. He ended the war with 20 combat missions and remained in the USAF Reserve where he was later promoted to brigadier general. (U.S. Air Force photo)

who had graduated from civilian and military flying schools.

Also, reservists played a critical role in World War II when 1,500 reserve pilots along with 1,300 non-rated officers and 400 enlisted Airmen augmented the Army Air Corps in the war's early days. This included the legendary Jimmy Doolittle who was ordered to active duty to work in De-

troit to convert automobile manufacturing plants into aircraft factories and later went on to lead "Doolittle's Raiders," the first American bombing attack on the Japanese mainland.

After World War II ended, the young Air Force Reserve was barely two years old when it mobilized nearly 147,000 reservists for the Korean War from 1950 to 1953.

In the 1960s, five Air Force Reserve C-124 aircraft units along with 5,613 reservists were mobilized for a year to support the Berlin Crisis. By 1962, an additional mobilization of 14,220 reservists and 422 aircraft were supporting operations during the Cuban Missile Crisis.

During the Vietnam War, the Air Force Reserve provided strategic airlift as well as counterinsurgency, close air support, tactical mobility, interdiction, rescue and recovery, intelligence, medical, maintenance, aerial port and air superiority until U.S. involvement ended in 1973.

For the most part, the nation was at peace for the next few years with the Air Force Reserve periodically engaged in emergency-response missions. This included the rescue and return of American students from Grenada in 1983, aerial-refueling of F-111 bombers during the El Dorado Canyon raid on Libyan-sponsored terrorists in 1986 and Operation Just Cause which ousted

Panama's General Noriega in 1989-1990.

Also, Air Force Reservists supported humanitarian and disaster relief efforts, including resupply and evacuation missions in the aftermath of Hurricane Hugo.

More than twenty years of continual combat operations began with Operation Desert Shield and Desert Storm in response to Saddam Hussein's invasion of Kuwait in 1990.

In the aftermath of coalition victory, Air Force reservists continued to serve and were heavily involved in enforcing the no-fly zones over northern and southern Iraq as well as in humanitarian relief missions to assist the uprooted Iraqi Kurds.

In 1993, Air Force Reserve tanker, mobility and fighter units began operations in Bosnia and in 1999 were also supporting Operation Allied Force over Serbia and Kosovo.

When terrorists attacked the United States on Sept.

See **RESERVE**, page 6

New resources promote fitness culture

By Gloria Kwizera

AF Personnel Center Public Affairs

JOINTBASESANANTONIO-RANDOLPH, Texas (AFNS) – To help improve Total Force fitness levels, Air Force Personnel Center officials are fielding new fitness resources accessible online, in person or on DVD.

These resources, including the Operational Fitness Program, Xtreme Wednesday Workouts, the Air Force Fitness DVDs and the Fitness on Request kiosks are available to all Total Force Airmen, retirees and families, through base Fitness and Sports Centers and unit physical training leaders.

The Operational Fitness Program provides detailed exercise plans for individuals of all fitness levels and is easily accessible on www.usafservices.com.

"The goal of the program is to help maintain resilient Airmen and encourage healthy lifestyles for our Air Force communities at large," said Scott Nunnally, the AFPC fitness program

manager. "While the program isn't mandatory, it provides a great baseline for people to maintain their fitness throughout the year."

AFPC officials reached out to installation fitness and sports managers as well as exercise physiologists for their feedback to help develop the workout plans. Currently, the program offers detailed workouts for three levels of fitness.

Level One: Three bi-weekly routines that progressively become more difficult. The workouts build upon endurance, strength and power over the course of six weeks. This level is geared toward Airmen who need help passing their fitness test or those new to fitness.

Level Two: For those who already exercise regularly, this level provides an alternative plan to help maintain or increase their current fitness level. Workouts incorporate both bodyweight and light

dumbbell exercises.

Level Three: For individuals at an advanced fitness level; an alternative to the commercial extreme conditioning programs. These rigorous workouts align with established fitness industry standards and guidelines to maintain safety. A challenging workout is provided daily and will be updated monthly to keep the workouts fresh.

AFPC's services team also joined forces with the Pentagon Channel and developed 20 new fitness shows for the "Fit for Duty" television series. Xtreme Wednesday Workouts can be located on the Pentagon Channel website at <http://www.pentagonchannel.mil/>. Shows began airing on TPC and the American Forces Network Jan. 2.

Airmen can download videos from the TPC website to build a customized workout library. The program features advanced strength and conditioning workouts geared toward Level 3 participants. The shows are also available through

some cable providers.

The 20 workouts will also be developed into Air Force Fitness DVDs which will be available at base installations by late spring.

"These fitness programs allow members to follow or build their own program to meet their fitness goals," said Anthony Alcala, a fitness program specialist.

The next phase in this initiative is to deliver the Fitness on Request Kiosks to over 60 installations. This system will supplement existing group exercise programs or installations that can no longer fund their group exercise contract, Alcala said. Loaded with 30 pre-recorded classes, the kiosks will offer fitness centers the flexibility and convenience to offer more individual or group classes than before. Installations will receive kiosks by late summer, with the first deliveries slated for this month.

For more information on these new fitness resources and other quality of life programs, visit www.usafservices.com or www.myairforcelifelife.com.

RESERVE from page 5

11, 2001, Air Force reservists responded in full measure. Air Force Reserve F-16 fighter aircraft flew combat air patrols to protect American cities while KC-135 tankers and AWACS aircraft supported security efforts.

In October 2001, Operation Enduring Freedom began as U.S. military forces entered Afghanistan to combat the Taliban and terrorist sanctuaries. In March 2003, Operation Iraqi Freedom began in order to end Saddam Hussein's regime. Air Force Reserve units and reservists played key roles in all combat operations as Air Force Reserve MC-130 Combat Talon aircraft became the first fixed-wing aircraft to penetrate Afghan airspace while Air Force Reserve F-16 crews performed the first combat missions.

In recent years, Citizen Airmen have supported every Air Force core function and every Combatant Commander around the world. Air Force reservists were engaged in surge

operations in Iraq and Afghanistan. They supported combat and humanitarian missions in Haiti, Libya, Japan, Mali and the Horn of Africa. Also, they've provided national disaster relief at home in the U.S. after Hurricanes Katrina and Sandy, the gulf oil spill and the wildfires in the western states.

Since its inception in 1948, the Air Force Reserve has evolved from a unit-mobilization-only force into an operational reserve that participates daily in missions around the globe. Today, Air Force reservists safeguard nuclear weapons and guide Global Positioning Satellites. From bases in the United States, reservists fly remotely piloted aircraft in combat half a world away. They track hurricanes out at sea and bring medical supplies and food into disaster areas to save lives around the world.

For more information on the history of the Air Force Reserve, go to: www.afrc.af.mil/library/history/.

Robotics team headed to Championships visits Arnold AFB

By Philip Lorenz III
ATA Public Affairs

When a high school robotics team recently visited AEDC's Fitness Center to share their experiences and demonstrate the technology they have learned to master, Jere Matty, AEDC's Science, Technology, Engineering and Mathematics (STEM) educational and outreach coordinator, was thrilled.

Team R.P.G. (Robot Programming Guild), comprised of students from several local high schools and sponsored by ATA and AEDC, recently became the first local group to earn a spot in the FIRST Tech World Championship taking place in St. Louis, Mo., April 24 through 17.

Matty invited Team R.P.G. to AEDC's Fitness Center earlier in April to demonstrate their award-winning robot and explain the complicated rules of the competition they had to tackle in their earlier

local competitions. Matty, AEDC Commander Col. Raymond Toth and a group of young people attended the demonstration on base.

"Part of being a FIRST Tech Challenge Team (FTC) involves 'evangelization' of the fun of robotics, especially presentations to younger teams like Jr. Lego League and Lego League," he said. "That's why the young folks were present as they will soon be old enough to be an FTC Team."

Team R.P.G. members, including Joshua Garnito, Josh Freiberger, Ryan Baxter, Chance Ferguson, coach Mark Ferguson and Kimberly Ferguson, the team's mentor and organizer showed videos of their prior competitions and demonstrated their award-winning robot to Matty, AEDC Commander Col. Raymond Toth and to a group of young people.

Mark Ferguson said Team R.P.G. presented an excellent demonstration.

"They demonstrated their ability to learn complex problem solving and teamwork," he said. "They have demonstrated their ability to share what they have learned and help others in the process. They demonstrated how their robot operated and how it was constructed, including their Mecanum wheel design."

The Mecanum wheel is a design for a wheel which can move in any direction.

It was this wheel design that earned Team R.P.G. the Rockwell Innovate Award at the FIRST Tech Challenge in Owensboro, Ky.

Team R.P.G. dressed in medieval garb for the demonstration at AEDC, acknowledging that their team employs aspects of a role-playing game.

Mark said the team's recent demonstration at AEDC also served another important purpose.

"A local FIRST Lego League team was present



From left, Josh Freiberger, Volunteer State Community College; Joshua Garnito, Friendship Christian School; Ryan Baxter, Central Magnet School; Jere Matty, AEDC STEM Coordinator; Chance Ferguson, Eagleville High School, and AEDC Commander Col. Raymond Toth gathered after the team R.P.G.'s demonstration at AEDC's Fitness Center. (Photo by Jacqueline Cowan)

and enjoyed seeing the hard work team R.P.G. had put into their robot," he said. "Their presence is important to our team as they wish to inspire others to join First Tech Challenge so the sport will continue to be a great success for young people around the world.

"The team recognizes

the commitment, and time, that must be given in order to be successful in this sport and their future careers. They feel that sharing their experiences will help other young people to make the leap into STEM."

Mark added, "The team recognizes there are many supporters who see what

they are doing to be important, not just to them individually but to their community and their country as a whole. Everyone benefits as our youth hold the keys to the future – the more we can encourage our youth to participate in STEM the better our world will be for everyone."

Airman returns to flying status after having part of leg amputated

By Brandice O'Brien
Tinker Air Force Base Public Affairs

TINKER AIR FORCE BASE, Okla. (AFNS) – When Senior Airman Justus Bosquez walks down a narrow hallway in his airman battle uniform, he looks no different than his peers. Like many of them, he can do salsa, merengue and two-step dances. He can run a marathon wearing a 30-pound rucksack and he can perform his flying duties on an E-3 Sentry. The difference is he doesn't take those tasks for granted, not since his left calf and foot were amputated.

Bosquez lost his leg and

foot in June 2011 following a hit-and-run crash caused when a vehicle traveling 80 mph on a city street rear-ended his motorcycle.

After 11 surgeries, including two amputations, two months in the hospital and six months of intense rehabilitation, he returned to work almost a year later, but not to flying duties. For that, he waited 10 more months as medical board waivers, clearances and approvals were made. He received his medical clearance to fly earlier this month and went on his first



After receiving paperwork putting him back in flying status, Senior Airman Justus Bosquez took his first flight as an amputee March 25, 2013, at Tinker Air Force Base, Okla. (Courtesy photo)

flight March 25.

He is most likely the first

E-3 air surveillance technician and AWACS member to fly as an amputee. The records only go back as far as the early 2000s, officials said.

"It's like a finish line for me, and a starting point, too, as I'm a productive member of the Air Force – going to fly, fight and win, as they say," said Bosquez, a 965th Airborne Air Control Squadron E-3 Air Surveillance technician. "It was fun and the most exciting part was when the wheels were going up in the wheel well and I knew we were really flying. It was a good mission. Hopefully next week I can go up again."

The accident happened on a Monday night, just before midnight. Bosquez had been hanging out with friends and purposely left early to avoid the alcohol-impaired drivers who would be leaving bars at closing time. He drove south on an interstate highway when he was hit and thrown from the motorcycle.

"I was pretty much in the air and basically saying, 'God save me' and the second thing was I knew I had to relax," Bosquez said. "When I landed, I was pretty angry because I was by myself and I had to make a tourniquet for my own leg and call the cops."

When he arrived at the University of Oklahoma Medical Center in Oklahoma City, a doctor touched the Airman's foot and asked him, "Can you feel this?"

"Everything in my body and mind was trying to say, 'Yes, I can.' But, when I said, 'I feel something,' the doctor said he wasn't touching me," Bosquez said.

The doctor then told him there was only a 10 percent chance of saving the leg and foot. Out of those odds, there was only a 1 in 5 chance that they would be as functional as they were before the accident. Bosquez

See AIRMAN, page 9

AEDC team members prepare for a future in engineering

By Raquel March
ATA Public Affairs

Two recent college graduates employed at AEDC prepare for their future engineering careers by participating in a Jacobs Future Weekend event.

Nathan Sindorf, an electrical controls engineer, and Billy Stack, a systems engineer, with the prime contractor ATA, were selected to attend the event held in Texas through the Jacobs Future Network. The network is a global program for Jacobs employees who have recently graduated from a university and joined the company. Jacobs is one of the managing partners of the ATA prime contract at AEDC.

Sindorf and Stack were

the first ATA employees to participate in the annual event which included teambuilding events with other international Jacobs employees.

"We were very excited and grateful to represent ATA at this event for the first time," Sindorf said. "We really appreciated the opportunity to learn more about the Jacobs organization while building relationships with employees from 21 countries, including the Netherlands, Australia, Morocco and England."

The engineers were chosen from thousands of graduates within Jacobs. To decrease the participant selection to 200, each region's group vice president or senior vice president confers



AEDC Engineers Billy Stack, left, and Nathan Sindorf, right, poses for a picture with Jacobs' President Craig Martin while attending the global Jacobs Future Weekend event in Texas last month. (Photo provided)

with the region's leadership to identify graduates who demonstrate great potential in the organization.

Sindorf and Stack began their careers at AEDC as

interns. Sindorf will mark his two year anniversary with ATA next month and Stack has worked with ATA for 10 months.

Stack said, "Just as it

was exciting to learn about other groups within Jacobs, it was also very rewarding to be able to share the mission of AEDC with others while re-instilling within us a sense of pride in our own work.

"We do fascinating work here at AEDC and it's often easy to forget that; we enjoyed being able to 'wow' our counterparts from other business sectors."

Sindorf credits his great experiences at AEDC to the people he works with.

"No matter what I'm working on, there's always someone there to help mentor me through it," he said. "I've definitely learned and grown a lot in the last two years and I look forward to continuing to learn so that I can help

others in the same way." Both engineers expressed that the event provided them the opportunity to learn more about what it means to be a Jacobs' team member.

Stack said he would tell graduates entering the workplace, "not to be afraid to get out and explore areas outside their job description, learn about the history of where you work, put your hand up and volunteer, and most importantly, take an initiative and do not become complacent."

Sindorf remembered the advice given at the Jacobs Future Weekend by Jacobs' President Craig Martin – "If it's going to be, it's up to me," – and said this is advice that he would use.



AEDC Engineers Nathan Sindorf and Billy Stack participated in a Jacobs Future Weekend with 191 other engineers, shown in this photo, from Jacobs organizations across the world. (Photo provided)

AIRMAN from page 8

gave the doctor permission to amputate the limbs.

"The next morning was surreal because I woke up to fluorescent lights and realized it wasn't a dream," he said. "Then I pulled back the covers and it was really gone."

In the next two months, Airman Bosquez endured 10 more surgeries - one to reconstruct the bones and nine to clean out the area. Following the operations, the Airman spent 30 days in occupational therapy at the Jim Thorpe Rehabilitation Hospital at Integris Southwest Medical Center in Oklahoma City.

When he left Jim Thorpe, Bosquez went to The Center for the Intrepid, a Wounded Warriors program in San Antonio, Texas. For six months, he faced intensive rehabilitation.

"That was probably my saving grace right there, because they were no joke when it comes to doing all the exercises," he said. "They started by telling me they weren't going to feel sorry for me, and I was going to do the exercises. I said, 'Ok, cool; awesome.' They weren't going to pity me and that's the last thing I wanted from anyone."

"I never really felt sorry for myself. Whenever people tell me I 'can't' do something, it makes me want to do something. I'm always a happy person and

look at the brighter things because I know it could be worse," Bosquez said. "I probably shouldn't be alive today based on the way that accident went, but I'm here, so obviously I'm here for something."

Bosquez's treatment began with walking, followed by jogging, swimming, core exercises, weights and rebuilding his muscle. In the hospital, he said he had lost 65 pounds. He graduated the program when he completed a marathon through mountains in Mexico carrying a 30-pound ruck sack.

"I think he's accomplished more than anyone could ever have accomplished in their dreams. He's so inspirational and shows people to never give up on life no matter how bad it gets," said Senior Airman James Brown, a good friend and 965th AACS Airborne Surveillance technician. "When he sets his mind on something, he will get it done because he has so much drive and determination."

When Bosquez returned to work in April 2012, he was determined to make his first day back like any previous day had been. Conscious of how he walked and held himself, he did his best to blend in.

But, that's not to say he didn't stand out. Since returning to work, he's gained the respect of many

Airmen in his unit.

"He's inspirational and resilient," said Master Sgt. Stephen Stencil, the 965th AACS first sergeant. "He has a really positive attitude for what he's been through and the fact that he's back on flying status and he has to maintain the same physical training standards as the rest of the Air Force is amazing."

Longtime friend and peer, Staff Sgt. Efreem Allen said when he learned about Bosquez's amputation, he was shocked and pleasantly surprised by the Airman's attitude.

"I knew that Justus was a strong person, but the accident seemed to bring the best out of him. I honestly do not know one other person that could've bounced back as well as him, including myself," said Allen, a 965th AACS Senior Surveillance technician. "His generally upbeat demeanor never changed and not only is he walking again, but I've seen him outrun numerous people at PT. His hard work not only allowed him to stay active duty, but he's also returning to flying status. He is truly an inspiration."

Humbled by the kind words he often hears, the Airman said he's not trying to be anything more than he already is.

Westwood students 'take-off' in their own special X-plane



STEM instructor Bruce Buono (left), a retired Air Force pilot and AEDC STEM volunteer, works with Westwood Middle School aviation program students Justin Elgonhary, middle, and Thomas Lemmons practicing aircraft stalls on Fly to Learn aviation software. The software runs on pilot-grade commercial flight simulator programming using a commercial flight simulator X-Plane and is designed to reinforce science concepts. The flight simulator training is an afterschool program sponsored by AEDC's STEM Center. (Photo by John Coffelt)

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Air Superiority: Advantage over enemy skies for 60 years

By Randy Roughton
Air Force News Service

FORT MEADE, Md. (AFNS) – A few months after the D-Day invasion in June 1944, Gen. Dwight D. Eisenhower surveyed the Normandy beaches with his son. "You'd never get away with this if you didn't have air supremacy," then 2nd Lt. John Eisenhower told his father. "Without air supremacy," the elder Eisenhower replied, "I wouldn't be here."

The United States won air superiority in Europe by 1944 and the Pacific by the fall, won it in Korea in 1950 and hasn't lost control of the skies since. No American service members on the ground have died from enemy air attacks since three were killed during the Korean War more than 60 years ago.

Military Power

Control of the air gives a

military power the opportunity to exploit height, reach and speed, enabling informed decision-making, the ability to strike freely at a distance, and the ability to maneuver unconstrained by the limits of terrain or ocean, said Dr. Richard P. Hallion, former Air Force Historian and senior advisor for air and space issues with the Directorate for Security, Counterintelligence and Special Programs Oversight.

"I go back to David versus Goliath," said Hallion, author of "Storm Over Iraq: Airpower in the Gulf War" and "Strike from the Sky: The History of Battlefield Attack." "There wasn't a manhood issue here demanding he engage in the close fight, where he could have lost. Instead, David hit him with an aerospace weapon - a rock at a distance. In the airpower era, that aerospace weapon is the airplane and missile of today."

When the North Koreans in-



F-16A, F-15C and F-15E flying during Desert Storm. (U.S. Air Force photo)

vaded the South in June 1950, they did so with overwhelming military force, and initially, without encountering immediate air attacks, Hallion said. Retired Marine Corps Col. Warren Wiedhahn experienced combat in Korea as a private first class, both with and without close air support.

During the initial days of the Korean War, "there was no close

air support, the North Korean juggernaut moved very rapidly with their tanks, artillery and infantry. They annihilated everything in front of them until there was nothing left in Korea but the Pusan perimeter," Wiedhahn said.

But by then, robust air power forces - Air Force, Navy and Marine Corps - assisted by British, Australian and South Korean

airmen as well - were taking a heavy toll on North Korean attackers, Hallion said.

"During that period of time, the close air support was building up," Wiedhahn said. "The ships were coming in. The Air Force was flying. Now, all of a sudden, we began to see aircraft."

Air Power

After participating in the Inchon Landing and helping to liberate Seoul, Wiedhahn also fought in the battle of the Chosin Reservoir a few months later. United Nations forces chased the North Korean army to the southern tip of South Korea until China sent more than 100,000 troops that surrounded about 30,000 U.N. troops.

"When we were up in the Chosin Reservoir, and the Chinese decided to attack, we began to see air - mostly Navy and Marine

See **SUPERIORITY**, page 11

AMERICAN BANDS 2013

For the **Wounded Warrior Project**, a Dinner-Dance Benefit
Saturday May 18

Manchester/Coffee County Convention Center
(next to Holiday Inn just off I-24 at Exit 114)

5-6 PM Happy Hour

6-7 PM Dinner & Jazz with the **ANDERSON ENSEMBLE & Dr. Jerry Anderson**

7-9 DANCE BALLROOM STYLE WITH **SOUTH JACKSON STREET BAND**

9-11+ DANCE ROCK AND ROLL with **JACKWAGON!**

Special Guest Invited - **Mason Taylor (Teenage Crooner)**

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\$40 Prime Rib \$20 Dance Only

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Mention **Wounded Warrior & American Bands 2013** for Special Group Rate Hotel Accommodations.

All American Bands 2013 proceeds less expenses go to The Wounded Warrior Project in association w/Let Freedom Ring of Franklin County, TN.

Additional information contact: **US Sgt. Major Larry Williams 931-924-3000**

Dr. Jerry Anderson at 931-205-6380

**WOUNDED WARRIOR
PROJECT™**

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Corps (Vought F4U) Corsairs off of the carriers. That's how I really began to appreciate close air support. It (Control of the air) is absolutely, positively vital.

After a 17-day battle in sub-zero temperatures, the Marines managed to withdraw to the coast, where they were evacuated in December."

"Indeed, air power saved the Marines from annihilation as they made their way from the reservoir down to the coast," Hallion said.

Five years after Wiedhahn retired as a colonel in 1982, he talked with four of the Chinese he fought against in the Chosin Reservoir during a visit to Beijing as part of his Virginia-based Military Historical Tours organization. About 40 years later, the sights and sounds of American aircraft were still engrained in their memories.

"One of the greatest things we feared was your airpower," the Chinese told Wiedhahn. They said, they always moved at night, and never moved when the weather was clear because of their fear of our planes.

Air Superiority and Supremacy

Air superiority and supremacy are two of the five conditions in the air warfare spectrum, along with air paralysis, air inferiority and air parity. There is actually a huge difference between air superiority and supremacy that can be especially costly in war, Hallion said.

"Air superiority is the absolute minimal condition we should ever be prepared to fight with," he said. "Air superiority means that the enemy is still able to undertake air action against you, but you are able to confound and defeat it. What we should really seek is what we had in the latter

stages of World War II and what we had in the (Persian) Gulf War, where we had air supremacy, indeed, we had air dominance. That's where you so thoroughly dominate your opponent that they are instantly confronted with air attack, and they are unable to do anything about it.

"We had air supremacy, clearly, in the first Gulf War because in that war, the Iraqi air force was simply unable to intervene either against our coalition air forces or against coalition surface forces. At the end of the Gulf War in 1991, by the second or third week, the Iraqi air force was fleeing the country, and the air action there was primarily intercepting aircraft trying to flee to Iran.

That's what happens when you have air supremacy, and in the best of all circumstances, air dominance. You can then devote 100 percent of your air effort to ensure that the people on the ground get the support they need to prosecute the ground war."

Gen. Charles A. Horner, who commanded all U.S. and allied air assets during Operations Desert Shield and Desert Storm, credited the airpower dominance to the intelligence, preparation and training before the invasion.

"When did we get air superiority? We had it before the war began because we had the means to get it - the equipment, intelligence, training, and the courage of the aircrews," Horner said.

"But do not get the idea that gaining control of the air was easy. It was not a macho, no-sweat operation. What turned into a turkey shoot in late January and February started out as a bitter struggle; those first few days were the hardest-fought, most-critical aspect of the entire war."



An F-4G Wild Weasel fighter (foreground) and an F-16 Fighting Falcon are serviced on the flight line prior to departing for Saudi Arabia during Operation Desert Shield. (U.S. Air Force photo/Tech. Sgt. Fernando Serna)

Because the Air Force has had almost an unprecedented control of the skies for decades, it might be easy to forget how costly it was to achieve air superiority, especially during World War II. In the European and Mediterranean theaters alone, the U.S. lost 4,325 fighters and bombers before D-Day, with 17,000 killed and 21,000 wounded or POW in the fight for air superiority and didn't achieve theater-wide supremacy until the final days of the war. More Airmen were killed in aerial missions over Europe "than all the Marines who unfortunately died in the entire span of World War II," said retired Gen. David Deptula, who was the Air Force's senior intelligence community official when he was the Headquarters Air Force deputy chief of staff for intelligence, surveillance and reconnaissance. Deptula was also the main attack planner during Operation Desert Storm in 1991 and a joint task commander for Operation Northern Watch in 1998-99.

"If you take a look at how many aircraft we lost in

the Vietnam War - 2,781 Air Force and Navy combined, that was against a fifth-rate power with only 206 fighter aircraft. Why did that happen? Because, we were late in achieving air superiority.

"It took us some 30 years to apply the air superiority lesson, but we did it in the form of developing the F-15 (Eagle). But those F-15s first flew in 1972, and now some of them are more than 30 years old. In 1979, I flew F-15s at Kadena Air Base, Japan. In 2008, my son was flying the exact same tail numbers I did, but it was 29 years later, and that was five years ago.

Maintain the Advantage

Today, we have a geriatric combat Air Force, and we badly need to recapitalize it in order to maintain the advantage of air supremacy in the future."

Without control of the air, troops on the ground face many hardships and hazards, as the late Gen. Bruce K. Holloway, vice chief of staff during the Vietnam War, wrote in an article for Air University Press.

For six decades, American troops haven't had to

experience "what it's like to lose mobility except at night; to be cut off from supplies and reinforcements; to be constantly under the watchful eye of enemy reconnaissance aircraft; to be always vulnerable to strafing and bombing attacks; to see one's fighters and bombers burn on their handstands; and to be outnumbered, outgunned and outmaneuvered in the air," Holloway wrote in his article, "Air Superiority in Tactical Air Warfare."

However, there are some who aren't convinced the Air Force's decades-long dominance of the air is a certainty, especially with recent cuts in weapons systems such as the F-22 Raptor, which Deptula calls "the most capable aircraft ever built specifically to achieve air superiority," and F-35 Lightning II. In 2009, then-Defense Secretary Robert Gates called for capping the original 722 Raptors to 187. Three years later, across-the-board defense spending cuts have put the F-35 at risk.

"There are newer threats out there, quite frankly, that could defeat the aircraft

that we currently have," Deptula said. "That's why the Air Force works so hard to recapitalize those aircraft by building F-22s and F-35s that can operate, using modern technology, to achieve air dominance by networking capabilities with sensors that we never had in the past.

"Our challenge in the future is we're not going to have time to do what we did in World War II - bring America's industrial might to bear over the time necessary to create the kinds of aircraft to maintain our superiority advantage. It falls on Airmen of today, to articulate the air superiority lessons of the past and to make the Airman's voice in the defense of our nation heard. Today's Airmen need to be unabashedly clear about the lessons of history in order to maintain our capabilities in the future."

As vital as Eisenhower perceived air superiority to success on D-Day, some airpower experts wonder if the day will come when the U.S. won't have the control of the skies needed for a crucial confrontation with another military power.

"I think the greatest danger we face as a nation today is to assume that air and space power is a God-given right to the United States of America, and we will always enjoy it," Hallion said.

"We see that sometimes, unfortunately, in our sister services. They have labored so long with perfect freedom of maneuver because of the American airpower shield that we've put over their heads that I think many individuals fail to realize that it is perishable. Air dominance is like freedom itself - you have to constantly nurture it, care for it and invest in it to ensure that you will still have it."

DEERS streamlines personal records for better efficiency

By Terri Moon Cronk

American Forces Press Service

WASHINGTON (AFPS) - A modification in the Defense Enrollment Eligibility Reporting System is expected to streamline personal records for better efficiency, the director of the Defense Manpower Data Center recently said.

In an interview with American Forces Press Ser-

vice and the Pentagon Channel, Mary Dixon said information will now be entered into DEERS in personnel offices, rather than identification card offices.

DEERS is used for benefits determination in the Defense and Veterans Affairs departments. It includes active-duty service members,

active reservists, retirees, and certain civilians and contractors, as well as members of the Coast Guard, Public Health Service and National Oceanic and Atmospheric Administration. The system comprises 44 million people, Dixon said.

Family members can continue to use the identification card office to change their vital information, Dixon added, and others will be

referred to their personnel office when the change takes effect, expected to be by the end of this month.

The change is expected to increase accuracy of records, Dixon said, noting that any time data is moved around, there's the possibility of typing mistakes.

"It won't solve all the problems," she added. "Data quality is an issue that's a continuing journey and process."

While cost-saving figures are not yet available, Dixon said, the change will be a time-saver. In the past, she explained, the hope was that in addition to going to the ID card office to update DEERS information, people also went to the personnel office and changed the information in their personnel records so the records would match. When employees didn't go to both places, she said, it

created "a lot of work" to figure out how to reconcile mismatched data.

Record accuracy in the DEERS system helps ensure eligibility for benefits and mitigates identity theft, fraud and abuse, Dixon said. Safeguards include vetting people who have access to the system and ensuring DEERS has a strong audit capability, she added.

Arnold Golf Course (GC)
454-GOLF, 454-FOOD

Check us out on Facebook! Arnold AFB Services Golf Course

2013 Tournament Schedule

May 2 – Thursday Night Scramble begins

May 11 – Two-Person Triple Play Tournament

June 22-23 – Member-Guest Tournament

July 20-21 – Arnold Tri-City Open Championship

Aug. 24-25 – Club Championship

Sept. 5 – AEDC Golf League Awards Banquet

Sept. 19 – Thursday Night Scramble Ends

Sept. 21 – Member Member Tournament

Oct. 5 – Season Ending Tournament

A **Two-Person Triple Play Tournament** will be held May 11 beginning with 8 a.m. shotgun start. Play will include 27 holes – nine holes each played as best ball, alternate shot and scramble format. Flighted into A and B flights determined upon number of entries. Prizes will be awarded for top players along with two closest to the pin prizes. Cost is \$60 per team for annual green fee players. Additional \$10 green fee and \$12 cart fee for others. Deadline to sign up is May 9.

Arnold Lakeside Center (ALC)
454-3350

Administrative Professionals' Day special in Café 100, April 24. In honor of Administrative Professionals' Day, April 24, Café 100 will be giving a free cupcake with all combo purchases (while supplies last) from 10:30 a.m. to 1:30 p.m. This special is for all customers – not only administrative – so stop by and try a combo and get your free cupcake.

Introduction to Hula Hooping will be held April 27, May 4 and May 11 at 10 a.m. All ages and skill levels are welcome. Single and double hula hooping demonstrations and instruction will be held. The class will be held outside, weather permitting, and each class will be different so you can attend one, two or all three. A limited number of hula hoops will be provided and you may bring your own if you want. There are no sign ups required and no fees involved, so come on out for some fun on a Saturday morning at the ALC.

Arnold Lakeside Center will have limited or no dining on the following days in May:

May 24 - full menu available in The Landing

May 25 - Express menu only available in The Landing

First Friday Jam will be May 3 beginning at 6 p.m. 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 welcomes back Pretty Discoveries for a **jewelry fair** May 10 in the A&E building, Café 100, from 8 a.m. to 2 p.m. All jewelry prices are below \$20. Other

accessories may be available such as belts, handbags and jeans.

Arnold Lakeside Center announces **Brushes and Bottles**, a new monthly program to be held at the GLC.

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. The first event will take place May 10 from 6-8 p.m.

These painting parties are for all 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 May 7 and class size is a maximum of 15.

Arnold Lakeside Center will have a **Mother's Day Brunch** May 12 from 11 a.m. to 2 p.m. The menu will include scrambled eggs, bacon, sausage, french toast with syrup, salad bar, boneless pork chop or grilled chicken tenderloin, pinto beans, mashed potatoes, gravy, roll, apple or peach cobbler, orange or apple juice, tea and one complimentary Mimosa beverage. Cost is \$14 for members, \$16 for non-members and \$9 for ages 3-10. Call 454-3350 for reservations by May 7. All mothers attending will receive a rose.

Arnold Lakeside Center will host a **Miss AEDC Pageant** for ages 1-18 May 18. The event is open to the public and will be held from 10:30 a.m. to 6 p.m. Cost to enter is \$25 and each division winner will receive a crown, sash and flowers.

Second, third and fourth place winners in each division will receive flowers. There will also be a People's Choice winner who will receive a goody bag and sash. Any attending may vote for the People's Choice winner for only \$1 per vote.

There will be four divisions this year which include Tiny Miss AEDC for ages 1-3, Little Miss AEDC for ages 4-7, Preteen Miss AEDC for ages 8-11, Junior Miss AEDC for ages 12-15 and Miss AEDC for ages 16-18. Each participant is allowed one person back stage to assist in getting ready but they must return to the front before the pageant begins.

Participants should arrive no later than 30 minutes prior to start time with hair and makeup complete. A box lunch will be available for \$8 and includes ham or turkey sandwich, chips, cookie and drink. Deadline to enter the pageant is May 13. Call 454-3350 for more information and to request registration forms.

Last Friday Trivia Contest will be April 26 and May 31. 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 point 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.

Movie Schedule

Movie nights are Thursdays with movie start time of 6:30 p.m. and dinner available from 5-8 p.m.

April 25 – "The Guilt Trip," PG-13 (1 hr. 35 min.) starring Barbra Streisand and Seth Rogen. As inventor Andy Brewster is about to embark on the road trip of a lifetime, a quick stop at his mom's house turns into an unexpected cross-country voyage with her along for the ride.

May 2 – "Jack Reacher," rated PG-13 (2 hr. 11 min.) starring Tom Cruise, Rosamund Pike and Richard Jenkins. A homicide investigator digs deeper into a case involving a trained military sniper who shot five random victims.

May 9 – "Beautiful Creatures," PG-13 (2 hr. 4 min.) starring Alice Englert, Viola Davis and Alden Ehrenreich. Ethan longs to escape his small Southern town. He meets a mysterious new girl, Lena. Together, they uncover dark secrets about their respective families, their history and their town.

May 16 – "Escape from Planet Earth," PG (1 hr. 29 min.) starring voices of Brendan Fraser, Sarah Jessica Parker and Jessica Alba. Astronaut Scorch Supernova finds himself caught in a trap when he responds to an SOS from a notoriously dangerous alien planet.

May 23 – Movie selection not available at time of publication. Call 454-3350 or 454-3128 for schedule.

May 30 – Movie selection not available at time of publication. Call 454-3350 or 454-3128 for schedule.

Fitness Center (FC)
454-6440

Check us out on Facebook! Arnold AFB Services Fitness Center

The Fitness Center will host the annual **Health & Wellness Expo** May 15. The event will kick off with a run (2 laps around Fitness Center trail) at 11:15 a.m. The Expo will be from 11 a.m. to 1 p.m. with exposure and education on different dimensions of wellness. Pick up a door prize card when you arrive and while visiting the booths get the card initialed. Once the card is complete it may be entered for a chance to win prizes.

Group Class Schedule: Boot Camp – Monday, Wednesday and Friday, 6-7 a.m. Yoga – Monday, Wednesday and Friday, 11 a.m.-12 p.m. Cycling – Monday, Tuesday and Thursday, 11 a.m.-12 p.m. Interval Training – Tuesday

Hours of operation

Arnold Lakeside Center: Catering/Management offices by appointment. Operations Clerk – Tuesday, Thursday and 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, 5-10 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.-1:30 p.m. **Closed May 27**

Barber Shop: by appointment – Monday, Tuesday, Thursday & Friday, 8 a.m.-4 p.m. **Closed May 27**

GLC (office located at Arnold Lakeside Center): Monday through Friday, 7 a.m.-3:30 p.m. May vary depending on bookings.

Outdoor Rec: Tuesday through Saturday, 10 a.m.-5 p.m. **Summer Hours begin May 1:** Tuesday through Sunday, 8 a.m. - 6 p.m.

Fitness Center: Monday-Friday, 5 a.m.-7:30p.m.; Saturday, 8 a.m.-1 p.m.; Sunday Closed. **Open 8 a.m. - 1 p.m. May 27, no classes**

Arnold Golf Course: Pro Shop & Driving Range – 8 a.m.-dusk. **Summer Hours begin May 1:** 7 a.m. - dusk. Driving Range open 24 hours with prepurchased key card. Mulligan's Coffee Bar & Grill – Monday through Friday, 10:30 a.m.-2 p.m.; Saturday and Sunday, 8 a.m.-2 p.m.

Recycling: Monday through Friday, 7 a.m.-4 p.m.

Wingo Inn: Monday through Friday, 7 a.m.-6 p.m.; Saturday and Sunday, 8 a.m.-4 p.m.

Nonappropriated Funds Human Resources: Monday through Friday, 7:30 a.m.-4 p.m. **Closed May 27**

Services recognizes Military Spouses with "Tour Services" program in May

Services is recognizing active duty military spouses with a "Tour Services" program including free goods/ services and a chance to win \$50 in Services Bucks. All active duty Air Force military spouses assigned to Arnold will receive a package in the mail containing their "Tour Services" passport and information explaining the program.

During the month of May, military spouses visit five Services facilities and participate in a specified

activity to receive a stamp in their passport. These include Arnold Golf Course free 18 holes plus cart for two, Arnold Lakeside Center free dinner for two, Café 100 either free breakfast or lunch for two, Outdoor Recreation free tandem kayak rental for the day (may substitute another rental of equal value) and Fitness Center group class.

Once the passport is complete, redeem at the Services Marketing office for \$50 in Services Bucks

to be used anywhere in Services.

Incentives will be given at each facility as you get your passport stamps.

This trip around Services is our way of saying thank you for being there to support your military spouse.

Active duty spouses of all branches are eligible to participate. Contact Services Marketing at 454-3128 or 454-3415 to obtain your passport package or for more information.

Entire month of May

Military Spouse Appreciation Program

Visit Services locations and participate to receive passport stamp

Once completed redeem passport for \$50 in Services Bucks

Watch for your package in the mail

and Thursday, 3:30-4:30 p.m.

Outdoor Rec (ODR)
454-6084

Check us out on Facebook! Arnold AFB Services Outdoor Recreation

Camping for Beginners is an overnight class to be held at the FamCamp beginning 4 p.m., April 26 and going through 11 a.m., April 27. This class is for all ages and cost is \$10 per person. Learn about camp set up, tear down, campfire safety tips, cooking on the fire, tent arrangements, campfire stories, and essentials needed for camping. Dinner will be hamburgers, hot dogs, chips and bottled water. Remember to bring your sleeping bags, blankets, pillows, favorite campfire snacks and any other personal necessities. Deadline to sign up is April 24.

Kayaking for Beginners Class will be held at Crockett Cove May 4 and 18 from 9 a.m. to 1 p.m.

This is a beginners' introduction to learn about the kayak, equipment, emergencies and wet exits. Following the classroom time, participants will load up equipment and go down to the beach to 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 newfound skills. The class will be approximately four hours. Make sure you wear appropriate clothing and bring sunblock. This class is for ages 10 and up and cost is \$10 per person. There must be at least three to hold the class and maximum class size is six. Call

to sign up by the day prior.

Camping Guests Lake Tour is scheduled for 12-2 p.m., May 5 and 19. ODR will be hitting the open lake in the SS Stewart to explore the history of Woods Reservoir. Learn about the islands, buildings, and other sites that make this area unique. The lake tour is \$5 and open to guests staying in FamCamp, Crockett Cove and Dogwood Ridge. Call to sign up by the day prior.

FamCamp outdoor movie night is set for May 25. If you are camping over Memorial Day weekend you can enjoy an outdoor movie for free on Saturday

See BRIEFS, page 14

BRIEFS from page 13

Outdoor Rec (ODR) 454-6084

beginning at 7:30 p.m. Bring your chairs or blankets to the open grass area behind the upper bathhouse. The movie will be "Life of Pi" rated PG with a run time of two hours seven minutes. "Life of Pi" is a story of a young man who survives a disaster at sea and is hurtled into an epic journey of adventure and discovery. While cast away, he forms an unexpected connection with another survivor ... a fearsome Bengal tiger. Free caramel popcorn will be provided.

Paintball continues with regular play every Saturday except third Saturday which is tournament day. Paintball is for ages 10 and older and ages 10-17 must have a parent permission form. Remember to wear appropriate clothing – long pants, a long-sleeved shirt and closed toe shoes.

Regular Saturday play is every weekend from 9:30 a.m. to 2:30 p.m. except third Saturday due to monthly tournaments. Those interested need to call and sign up at least a day ahead of time to ensure equipment availability. When the day

arrives, simply meet at the paintball field and get play underway with the direction of an Outdoor Rec (ODR) staff member. Cost is \$35 per person with equipment provided and includes 500 paintballs and a tank of air. It is \$20 per person for those with their own equipment and that also comes with 500 paintballs. All paintballs used must be purchased from ODR for \$13 per bag of 500 or \$45 for a box of 2,000.

Monthly tournaments are on the third Saturday beginning at 10 a.m. Teams of four play double elimination to test your skills until the best team arises. Prior to the tournament there will be a 25-minute warm up field time with team on team play. There must be at least one team member above age eighteen and there must be at least eight teams to hold the tournament. ODR has 20 paintball guns available on a first come first served basis. Indicate at time of registration if you will be using your own equipment or need to reserve equipment. Cost to enter the tournament is \$55 per team and includes a bag of 500 balls and air for the day for each team member. The winning team will receive a free day of paintball (regular Saturday play) for all four team members valid

for one year and includes equipment, field fee, air for the day and bag of 500 balls. Sign up deadline for the tournament will be the Tuesday prior and late registration/cancellation fees will be applied the Wednesday prior.

Call 454-6084 for more information about the paintball program or to sign up for these events.

Outdoor Rec inflatables. There is an assortment of inflatables for almost everyone's needs. We have a huge backyard obstacle challenge measuring 40 feet long by 10 feet wide by 13 feet high, 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 foot 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.

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, barbecue 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. Call Outdoor Recreation at 454-6084 for more details or to make reservations.

RV and Covered Boat Storage slots available. Outdoor Rec has open slots available in the RV storage yard. Each slot is 30 feet long and 10 feet wide and rents for \$25 per month or \$250 per year. The covered boat storage has nine slots open. The boat storage slots are 40 feet long and 12 feet 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.

Wingo Inn 454-3051

Check us out on Facebook! Wingo Inn

Reservations for Wingo Inn may 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 931-454-4003.

MY STRENGTH IS FOR DEFENDING

AEDC Victim Advocates Hotline:

(931) 581-7494

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Nellis AFB pilots fly their first operational F-35 mission

By Staff Sgt. Michael Charles
99th Air Base Wing Public Affairs

NELLIS AIR FORCE BASE, Nev. (AFNS) – Two F-35A Lightning IIs assigned to the 422nd Test and Evaluation Squadron here conducted the aircraft's first operational flights from Nellis AFB.

These historic flights came less than a month after the March 19 arrival ceremony for the aircraft, but members of the 57th Maintenance Group's Lightning Aircraft Maintenance Unit and the 422nd TES have prepared for years to make the transition of the F-35A to Nellis AFB a smooth one.

"It's been a long time coming, and the level of effort by all those involved with getting to this point has been nothing short of astounding," said Capt. Brad Matherne, the 422 TES F-35 division commander, and one of the first pilots to conduct this operational flight at Nellis AFB. "Now we can get down to the business of what Nellis (AFB) does best; the devel-

opment of tactics."

The successful flight does not begin or end with the pilots, said Lt. Col. Benjamin Bishop, the 422nd TES director of operations, and the other pilot to conduct the first operational flight from Nellis AFB. It was the maintenance team who mastered a complex new airframe, and worked overtime to ensure it was ready for flight.

"The fact they were able to accept the aircraft and get them into the air so quickly is astonishing," Bishop said. "These jets are new to Air Combat Command, so they are literally writing the book on many of the procedures used to maintain the aircraft."

"All the training and preparation over the last two years have been for this day," said Chief Master Sgt. Michael Prah, the LAMU superintendent. "Getting the aircraft in the air shows the hard work our maintenance Airmen have put forth in

order to bring this new capability to Nellis (AFB)."

This mission also signified the beginning of a new chapter in the storied history of Nellis AFB.

During the F-35 arrival ceremony, Maj. Gen. Jeffrey Lofgren, the U.S. Air Force Warfare Center commander, noted that live flying the aircraft over the Nevada Test and Training Range is only the first step in integrating the F-35 into operations here.

A simulator is also being constructed on Nellis AFB to test and develop tactics for advanced training. Together with continued operational flights, Air Force officials will begin to see how the Lightning II reacts to realistic enemies in real-world operations.

The Air Force plans to assign 20 more F-35s to Nellis AFB by 2020.

"This is the future of airpower," Bishop said. "I am honored to be a part of the team that will write the tactics, techniques and procedures F-35 pilots will use in the years to follow."



Capt. Brad Matherne conducts pre-flight checks inside an F-35A Lightning II before a training mission April 4, 2013, at Nellis Air Force Base, Nev. The F-35A will be integrated into advanced training programs such as the USAF Weapons School, Red Flag and Green Flag exercises. Matherne is a 422nd TES pilot. (U.S. Air Force photo/Senior Airman Brett Clashman)

Distracted driving is on the rise . . . and so are deaths.

- According to NHTSA, in 2010, **3,092** people were killed in crashes involving a distracted driver and an estimated additional 416,000 were injured in motor vehicle crashes involving a distracted driver.

- According to the Insurance Institute for Highway Safety, drivers who use hand-held devices are four times as likely to get into crashes serious enough to injure themselves.

WHAT IS DISTRACTED DRIVING?

- Distracted driving is any non-driving activity a person engages in that has the potential to distract them from the primary task of driving and increase the risk of crashing.

- Distractions include, talking or texting on a cell phone, grooming, eating or drinking, changing radio stations, or talking to passengers.

TEENS ARE AT THE MOST RISK!

- Motor vehicle crashes are the leading cause of death for teens in the United States, more than homicide and suicide combined.

- The younger, inexperienced drivers under 20 years old have the highest proportion of distraction-related fatal crashes.

HOW CAN PARENTS HELP?

- Talk to your teens

- Set clear **"HOUSE RULES"**

- Remind your teenager that driving is a privilege - a privilege they will lose if they don't drive by your rules.

- Have your teen sign a House Rules Contract.

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