



# HIGH MACH

Serving the World's Premier Flight Simulation Test Complex



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## DOE reduces aerodynamic balance calibration timeline

By Philip Lorenz III  
ATA Public Affairs

When a new six-component wind tunnel balance was fabricated at AEDC and required a full calibration for acceptance testing, AEDC Test Technology Branch project manager Carrie Reinholtz realized this project would provide a great opportunity to use an innovative approach called Design of Experiments (DOE) to calibrate the new balance.

DOE is exactly what its acronym states – experimental design. In other words, it's designing a way to collect data points to determine which vari-

ables affect a process, with statistical confidence and definite uncertainty. A DOE based approach is conducted in a randomized fashion in order to minimize errors. These errors include biases that may be encountered by measurement apparatus or user errors as just two examples.

David Yoder, one of the ATA project engineers working on calibrating the new balance, said, "For us, it was the first time that we had ever tried to use DOE in a balance calibration process.

Yoder compared and contrasted the two approaches taken for the recently

completed balance acceptance testing.

"The traditional calibration practice at AEDC has involved dead weight loading using a calibration stand with a 'One Factor at a Time' approach," he said. "This traditional [calibration] approach takes usually around five days to complete, but with the Design of Experiments' load sequence, the dead weight randomized loadings took about two and half days.

Reinholtz, explaining the objective behind the two approaches, described what equipment needed calibrating.

"A wind tunnel balance is a device

that measures the aerodynamic forces and moments acting upon a body, like an aircraft model or fuel tank mounted under an aircraft wing," she said. "These balances are used in wind tunnels like we have at AEDC and at other similar facilities around the country such as NASA Langley in Virginia," she said.

The calibration process requires hanging precise weights from the balance and resolving the measured forces and moments on the balance into the normal,

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## ATA fuels emissions testing team recognized for NASA program

By Raquel March  
ATA Public Affairs

ATA team members recently received a National Aeronautics and Space Administration (NASA) Group Achievement Award for their involvement in the second Alternative Aviation Fuel Experiment (AAFEXII) program.

The team supported the emissions measurements testing during NASA's alternative fuels tests using a DC-8 aircraft and GE CFM-56 engines at the Dryden facility in Palmdale, Calif. They were recognized for outstanding achievement in establishing the impact of hydro-treated renewable jet fuels on commercial aircraft engine performance and pollutant emissions.



Pictured left to right are Steven Lepley, machinist; Brad Besheres, machinist; Dr. Robert Howard, AAFEXII project lead engineer; Jennifer Harvey, technical specialist; Roy Carroll, instrumentation specialist; Bob Boswell, test support supervisor (accepting on behalf of the AEDC Model and Machine Shop); Larry Stanford, test support supervisor (accepting on behalf of the AEDC Model and Machine Shop); Danny Catalano, senior associate engineer; and Gary Storey, technology instrument technician. Recipients not pictured are Katie Stephens, engineer/scientist; Brad Winkelman, engineering specialist; and Becky Combs, engineering technician. (Photo by Rick Goodfriend)



The NASA Alternative Aviation Fuel Experiment-II (AAFEXII) AEDC team tested NASA's DC-8 aircraft CFM-56 engines for emissions using a rake positioned behind the right inboard engine. (NASA photo)

## Rep. Diane Black Launches Congressional Range & Testing Center Caucus

Washington, DC – U.S. Congressman Diane Black (R-TN) released the following statement announcing the formation of the bipartisan Congressional Range & Testing Center Caucus.



Rep. Diane Black

"As the wife, mother and daughter of U.S. servicemen, I believe that our brave men and women in uniform deserve our utmost respect and the resources and support necessary to carry out their mission. It is an honor to represent the Arnold Engineering Development Complex at Arnold Air Force Base, a recent addition to the 6th district. The Congressional Range & Testing Center Caucus will be a valuable tool in offering resources and support to the range and test centers across the country. I look forward to working with my colleagues to learn more about the strategic value of these facilities and how Congress can support them in carrying out their vital mission," said Congressman Black.

### The Major Range and Test Facility Base (MRTFB)

MRTFB is a designated set of Department of Defense (DOD) installations, ranges, and facilities regarded as "national assets" for their Test and Evaluation (T&E) missions.

These ranges and test centers, spread across the country in more than 20 locations, are critical components for maintaining our military's technological advantage. Now more than ever it is essential that we recognize the strategic value of our various military installations.

**Mission of the Congressional Range & Testing Center Caucus:** to better educate members of Congress on the strategic value of ranges and test centers in support of their operations and of the thousands of military personnel, government civilian and contractor employees who operate them. To this end, caucus members can expect to receive classified briefings from high-ranking DOD officials on the role performed by the MRTFB, site visits to see MRTFB activities firsthand, and delegation visits from the various constituent and community groups that already support the MRTFB.

Congressman Black serves as the co-chairman of the Congressional Range & Testing Center Caucus.

## AEDC offers help for troubled employees

By Philip Lorenz III  
ATA Public Affairs

With the Congressionally-mandated sequestration on the horizon and lingering uncertainty about the nation's economic recovery, it isn't surprising that families everywhere are experiencing additional stress.

Regarding the sequestration, AEDC Commander Col. Raymond Toth sent a message to the entire workforce, expressing his empathy for what everyone is dealing with daily.

"I realize the turmoil this is creating in both your personal and professional lives and our personnel division and ATA leadership are looking at their respective Employee Assistance Programs (EAP) to see what support we may

be able to provide," Toth said.

### EAP for Aerospace Testing Alliance workforce

ATA Senior Benefits Advisor Carrie Barham emphasized that ATA's workforce also has access to an EAP to help them deal with economic uncertainties and life's other stressors most individuals and their families may be facing.

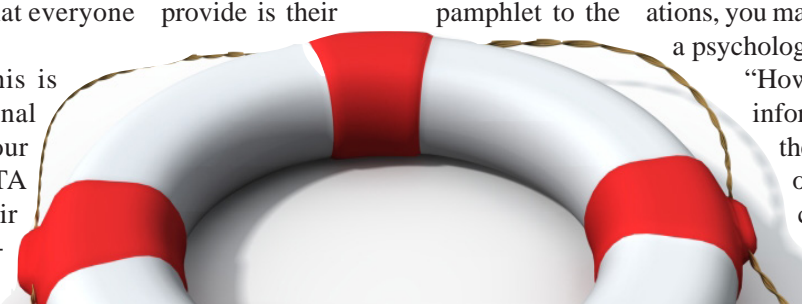
"The EAP is managed by United Behavioral Health, a division of United-Health Group, Inc.," she said. "What we provide is their pamphlet to the

employees – all new hires get one. However, if an employee or a manager requests a pamphlet, we will send them one that contains information on how they can go about calling an 800 number or setting up an appointment to speak to a psychologist, or how to access information directly from their website.

"There are different options. I look at the EAP as a two-pronged approach, one is if you're having problems at home, anger, substance abuse issues, those types of situations, you may call them to be referred to a psychologist.

"However, if you want general information on other situations, the EAP provides information on everything from legal counseling, childcare, elder care to wills. For example,

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## HIGH MACH

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

**Col. Raymond Toth**  
Commander

**Jason Austin**  
Director,  
Public Affairs



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

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

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### Core Values

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



### Vision

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

### Core Values

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

# Remember contributions women made in history

By Rhonda Ward  
AEDC Federal Women's Program

March is Women's History Month and women have made important contributions throughout history. Below are just a few important contributions that women have made during the month of March.

March 1, 1978 - Women's History Week is first observed in Sonoma County, Calif.

March 1, 1987 - Congress passes a resolution designating March as Women's History Month.

March 4, 1917 - Jeanette Rankin (R-MT) took her seat as the first female member of Congress.

March 8, 1908 - International Women's Day origins trace back to protests in the U.S. and Europe to honor and fight for the political rights for working women.

March 11, 1993 - Janet Reno is confirmed as the first woman U.S. Attorney General.

March 12, 1912 - Juliette Gordon Low assembled 18 girls together in Savannah, Ga., for the first-ever Girl Scout meeting.

March 13, 1986 - Susan Butcher won the first of three straight and four total Iditarod Trail Sled



Rhonda Ward

Dog Races in Alaska.

March 17, 1910 - Camp Fire Girls is established as the first interracial, non-sectarian American organization for girls.

March 20, 1852 - Harriet Beecher Stowe's novel, "Uncle Tom's Cabin," is



published and becomes the best-selling book of the 19th century.

March 21, 1986 - Debi

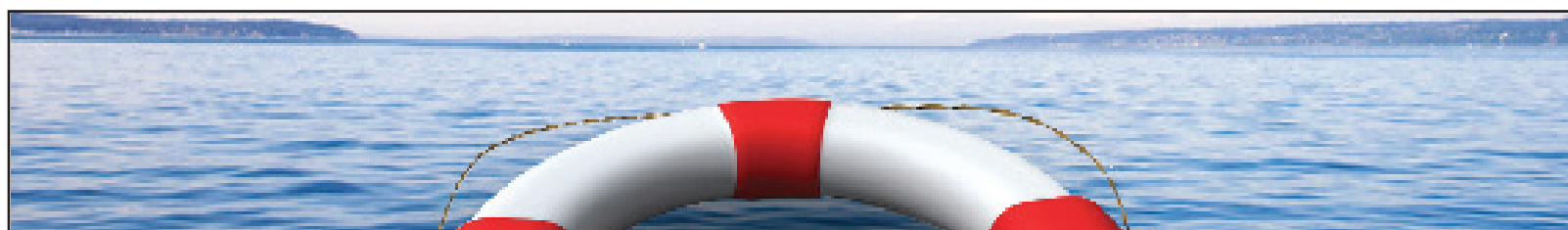
Thomas becomes 1st African American woman to win the World Figure Skating Championship.

March 23, 1917 - Virginia Woolf establishes the Hogarth Press with her husband, Leonard Woolf.

March 31, 1888 - The National Council of Women of the U.S. is organized by Susan B. Anthony, Clara Barton, Julia Ward Howe, and Sojourner Truth, among others and is the oldest non-sectarian women's organization in the U.S.

March 31, 1776 - Abigail Adams writes to her husband John who is helping to frame the Declaration of Independence and cautions, "Remember the ladies..."

## HELP from page 1



I helped an employee last month who was considering putting their parent into a nursing home. We went out to the website and there were plenty of articles on how to assist that individual in the decision-making process, from picking the right facility to how to transition that person's parent into the nursing home and more. So, EAP is a program that has many components to it."

Mike Cunningham, ATA's human resources manager, added, "Any ATA employee or family member may receive up to five free sessions with a qualified service provider approved by United Behavioral Health. You often are given a choice among several approved providers. Assistance is available for substance abuse, financial and legal matters, depression and anxiety, and parenting, family and relationship issues."

Barham said she has learned employees may not be aware of the range of benefits provided through United Behavioral Health. "There [are] also a lot of components that a lot of people aren't aware of [like] articles on how to deal with adult daycare - when you're having to take care of a parent, how to find the appropriate care for them, adoptions, real estate, some basic legal questions. There's just a hodgepodge of things that people can go out there and look on the website for."

She said early intervention for people under stress is ATA's goal with EAP.

"The program is important because it is a benefit that can help the employee," she said. "If you think about it, if an employee is stressed at home, they're probably going to bring their stress to work. So, it can affect their job and their relationships with their co-workers. It's a benefit to help them deal with those stressors which are not [necessarily] work related, [and] it helps them deal with that in a

confidential manner."

Cunningham pointed out that the privacy of those seeking help is paramount.

"The EAP is a very important benefit because it provides a prompt, confidential and professional intervention for an employee or household family member in need," he said. "This quick and qualified intervention could easily make a big difference in the safety and health of the user and family members, co-workers, etc. Our group insurance plans provide some assistance if the provider is covered within the insurance carrier's network."

Barham and Cunningham acknowledge that employees have expressed concerns about their privacy being protected.

"Confidentiality is very important to users and this is understandable," Cunningham said. "I can assure you nobody in this company ever knows who is using any of the services. The costs are pre-paid by the company and therefore billings are simply a flat fee per month for every employee on ATA's rolls."

ATA employees may access the EAP benefit by calling United Behavioral Health at 866-828-6049 or logging onto the company's website at [www.liveand-workwell.com](http://www.liveand-workwell.com), and entering access code 12610. For additional information, contact Carrie Barham at 454-7485.

### EAP for Department of Defense employees at AEDC

AEDC's Department of Defense employees have a program available to resolve personal problems before these issues interfere with their work.

Sherri Lamas, a personnel management specialist for AEDC's Personnel Division, said the Employee Assistance Program (EAP) provided by Federal Occupational Health (FOH) is a comprehensive program that helps AFMC-serviced appropriated, non-appropriated fund civilians, and Navy government employees to

resolve personal problems that may adversely impact their work performance, conduct, health and well-being.

"Basic EAP services include free, voluntary, confidential, short-term counseling and referral for up to six free off-duty sessions," she said. "EAP counselors are trained to assist with an assortment of issues which can affect your work performance and personal health to include: legal or financial problems, family/relationships, workplace, personal/emotional, alcohol/drugs, health/stress, and behavioral such as gambling, smoking and eating disorders."

Lamas said the benefit "empowers employees to resolve personal problems that impact or may impact on employee conduct and work performance in the quickest, least restrictive, most convenient and least costly manner possible."

If counseling treatment is required beyond the session limit, the EAP counselor will refer the client to an appropriate treatment or community resource.

The EAP benefit available to eligible employees includes access to 24/7 crisis management services. Legal consultation with a licensed attorney is offered at no charge. If it is determined that you need additional services from an attorney beyond the initial free consultation, the continued services will be offered at discounted rates.

Another EAP benefit includes financial consultation services. Several avenues are available, including consultation with certified public accountants and certified financial planners who have experience in accounting, banking and insurance issues.

There is also an identification (ID) theft program that provides comprehensive legal, financial, and ID theft resolution services. These services can save an employee thousands of dollars in legal expenses and considerable time.

While DOD is bracing for potential impacts of budget uncertainties, Tom Sizemore, AEDC's Chief of Personnel stated that "having an EAP in place is vital to our civilian workforce. The EAP has assisted many of our civilians in the past and our DOD workforce is encouraged to continue to take advantage of the services offered through the EAP."

For information on these and other EAP services, resources, and tools, visit the EAP website: [www.foh4you.com](http://www.foh4you.com) or call the toll-free number 1-800-222-0364 or 1-888-262-7848 for hearing-impaired employees.

### EAP for active duty and retirees

AEDC's active duty population of approximately 50 individuals has access to similar employee assistant program benefits that are available to their contractor and DOD civilian counterparts.

"This is a tremendous benefit at no cost to active duty and their family members and low cost to retirees and their family members," said Alan Jones, Chief of Health Services at AEDC's Medical Aid Station.

TRICARE behavioral health care services are available to active duty military members through a primary care manager referral to Value Options. AEDC employees who are military retirees also have access to these benefits through TRICARE's Value Options.

Services include outpatient psychotherapy for adults and children as well as family or group sessions. Substance abuse treatment services include inpatient detoxification, inpatient rehabilitation, outpatient care and family therapy. These services are also available to eligible family members.

Acute inpatient psychiatric care is also available for these individuals. For non-emergency care, eligible members should contact their primary care provider who can provide an initial assessment and possibly treatment or refer them to an appropriate behavioral health care provider.

Members should contact Value Options (Behavioral Health) at 1-800-700-8646 prior to receiving treatment from a mental health provider.

Military One Source is an internet-based family assistance program that offers personalized advice and support on many kinds of issues, including financial issues, relationship problems, spouse employment, and other mental health issues. Military One Source is available 24 hours a day, seven days a week for active duty service members and their families at 1-800-342-9647, or visit the website, [www.militaryonesource.com](http://www.militaryonesource.com).

For more information or to discuss other available civilian programs, contact Tech. Sgt. Danielle Morris at 931-454-3829.

## 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 mapped 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](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 hosts African-American Heritage luncheon event

By Philip Lorenz III  
ATA Public Affairs

On Feb. 14, 150 people attended AEDC's annual African-American Heritage Luncheon at the Arnold Lakeside Center.

The 2013 African-American Heritage Month theme for the luncheon was "The Crossroads of Freedom and Equality: The Emancipation Proclamation of 1863 and the March on Washington in 1963."

Brig. Gen. Darrell Williams, U.S. Army Materiel Command chief of staff at Redstone Arsenal, Ala., the guest speaker at the event, emphasized the fact that "we are all Americans."

Referring to the changing racial demographic makeup of the U.S. population, the general said, "The armed forces also is a reflection of America – virtually every possible ethnic and religious group is represented. The military is a team of men and women from all over the United States, working together with a single purpose – to defend the constitution of the United States against all enemies, foreign and domestic and to maintain the fight for our freedom."

"Today's service members are part of a team with a unique character and identity, where each service member is judged by his or her performance, not by race, not by color or gender. It has been said that if society as a whole was just like the military, America would continue to be an even better place."

Williams said the Emancipation Proclamation "was a watershed event," which in time, helped pave the way for significant civil rights milestones,

including the emergence of the Mumford Point Marines and the Tuskegee Airman during World War II.

"In a deeper sense, the Proclamation and the March on Washington clearly were about justice and equality for all," he said.

His message resonated well with many in the audience and on several levels.

Jere Matty, AEDC Science, Technology, Engineering and Mathematics (STEM) educational outreach specialist, was particularly impressed by the guest speaker and what the opportunity to hear him speak could provide, especially for young people.

"I think it's really critical, especially for young folks, minority folks in particular..." Matty said, "because they can see that [a career path like his] is certainly within the realm of possibilities, I think he is really a great role model. He is a super role model for any young person – minorities are very much under-represented in the STEM fields."

Sandra Burnette, an ATA technical specialist at AEDC's Precision Measurement Equipment Laboratory, said attending events like the African-American Heritage Luncheon at AEDC are important to her for several reasons.

Over the years, she has enjoyed learning about the full spectrum of contributions African Americans have made to the United States throughout the country's history.

Burnette, who was in grade school in 1963 when Dr. Martin Luther King Jr., gave his famous "I have a dream speech" in Washington D.C., said, "We've

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Brig. Gen. Darrell Williams, U.S. Army Materiel Command chief of staff at Redstone Arsenal, Ala., the guest speaker at AEDC's observance of the African-American Heritage Luncheon, greets attendees after giving his presentation at the Arnold Lakeside Center Feb. 14. (Photo by Rick Goodfriend)

# AEDC outside machinist Ricky Taylor loves the ride

By Philip Lorenz III  
ATA Public Affairs

Early in life, Ricky Taylor, an outside machinist at AEDC's Engine Test Facility (J-Side Turbine test area), found that what challenges him the most keeps life interesting.

A little more than one year ago, he decided to park his pickup truck at home and ride a motorcycle into work every day for one year, barring any days when safety would be a concern. He recently marked off day 365, without missing a single day, and is considering riding his 2004 Harley Davidson Sportster to and from work on a more permanent basis.

His year-long motorcycle trek is only the most recent chapter in a life where the road less travelled has led him to greater challenges and a more rewarding life.

Taylor said riding a motorcycle into work every day, like his work at AEDC supporting turbine engine testing, keeps him focused and keeps unwanted thoughts, distractions, at bay. Shortly before Valentine's Day in 2012, the idea of riding the motorcycle to work every day became a decision.

"I had read about a guy whose only mode of transportation was a motorcycle," Taylor recalled. "I thought, well, I could do that. The big thing is having good equipment, a good rain suit and warm clothes. I've got some electric gloves – that helped to make it possible."

Taylor said there were several reasons behind his decision to ride his motorcycle to work every day.

"The money savings are part of it, just the [improved] fuel mileage," he said. "But I think the biggest thing was just seeing if I could do it. There were a few days, especially lately with all of the rain and the cold that it would be very easy to just not do it, but once you get into it – that you're within 15 to 20 days of riding for a year – it motivates you to keep going."

Taylor laughed and added, "Being outside, you understand why a dog hangs its head out of the window. You're more a part of the machine than you are with a car. And riding a motorcycle makes me drive a car better. I tend to pay a lot more attention to stuff than I did before I started riding the motorcycle."

The former auto mechanic, who now helps install and set up jet engines for flight simulation testing at AEDC, said, just like his job, the biggest challenge to driving a motorcycle every day is staying safe.

"I've had several close calls; in fact, I actually wrecked the Harley [once]," he said. "I had on all my gear, so, I didn't get hurt. I bent the motorcycle up a little bit."

Riding motorcycles also became a social outlet and another way to bond with his chil-



Ricky Taylor, an ATA outside machinist at AEDC's Engine Test Facility (J-Side Turbine test area), stands by his Harley Davidson Sportster at the beginning of a shift on base. Early last February, he made a commitment to ride his motorcycle to and from work every day for one year, unless safety concerns stood in his way. Recently he successfully reached that goal. (Photo by Philip Lorenz III)

dren, who both have motorized dirt bikes now.

"Every year, a group of us, friends from work, go down to the vintage motorcycle festival at Barber Motorsports Park in Birmingham, Ala.," Taylor said. "Paul Buckner, Eric Mitchell and Pat Cowden – that group – we call ourselves the Crusty Slugs. And, for our annual father/son outing, we've been riding down to the festival since he was five. This last time, my son rode in the sidecar."

Taylor said his transition from driving a truck to a motorcycle to work reminds him of an earlier decision he made 10 years ago that also presented challenges and opportunities.

An automotive mechanic who spent much of his early career working at local car dealerships, he said his life changed dramatically after he married and had children. Until he and his wife started a family, he had never thought seriously about applying for a job at AEDC, where his father had worked as an instrument technician for more than 40 years.

"I remember coming out here one time for a tour," he said. "I was really impressed by how big everything is."

Shortly after the birth of his first child, a boy, Taylor knew a career change was needed.

"I had been working on commission and [with] most shops you don't have insurance or any kind of benefits, for retirement or anything," he said. "It's a lot easier on my wife knowing how much money is coming in every week and the security involved."

Taylor added, "The work itself is interesting, it's not like a factory where you're doing the same thing every day. It's always something different and challenging."

## DESIGN from page 1

side and roll components. As many as 1,000 weight configurations are used during a typical "one factor at a time" (OFAT) calibration sequence, resulting in the calibration process taking several days to complete. Reinholdt had taken Old Dominion University Professor Dr. Drew Landman's Design of Experiments (DOE) course and she had also taken several experimental design classes through the Air Force Institute of Technology's (AFIT) distance learning Test and Evaluation Certificate Program (TECP). She realized that the use of both DOE and OFAT for the balance's acceptance testing would be an excellent approach to assess the value of DOE for this type of application.

"This provided an excellent opportunity to introduce the use of DOE for balance calibrations," Reinholdt said. "Despite the given constraints, it ended up being a successful demonstration of where we could use DOE at AEDC."

In an American Institute of Aeronautics and Astronautics (AIAA) technical paper, co-authored by Dr. Landman and AEDC's Reinholdt, David Yoder, Paul Jalbert, and Dr. Doug Garrard, they wrote, "For more than a decade, DOE has been implemented in wind tunnel

strain gage balance calibration processes [at places other than AEDC]. Calibration with DOE is a characterization process where data are collected and analyzed using statistical methods, allowing conclusions to be drawn with chosen levels of confidence and power."

Yoder added, "In this case we had the opportunity to design a load schedule [plan] that could be randomized within the constraints of the calibration hardware, so it was an opportunity to try [a] Design of Experiment approach to meet our acceptance test requirement."

Explaining the DOE approach their team took, Yoder said, "We start out with measurement system uncertainty goals and the standard calibration approach gets there within 1,000 points and Design of Experiments got us there equivalently with 200 [points]."

Yoder emphasized that it is important to understand that a DOE approach does take some additional preparatory work to fully understand the requirements of an experiment. He feels that DOE methods could be used in all balance calibrations, but with this being AEDC's first attempt, additional studies could help reinforce this belief.

Yoder said using both an

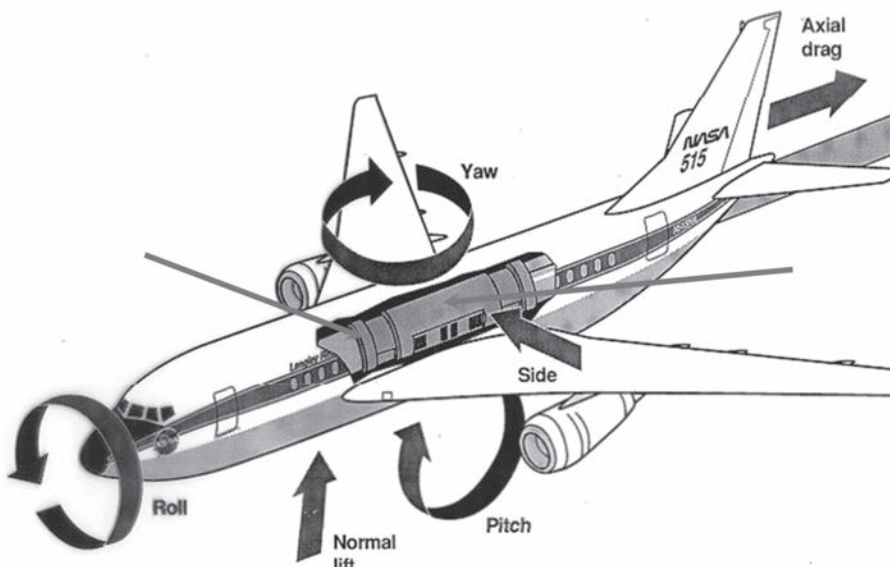
OFAT and complimentary DOE approach for the balance acceptance testing was a great learning experience.

"I think we got to the very best solution for this problem because of the collaborations with NASA and DOE experts,

along with the program management allowing adequate planning time to fully understand the problem," he said.

## Internal Balance Measurements

- Internal balance located in aircraft model
- 6 degrees of freedom, Measures:



– 3 forces: N A S  
– 3 moments: P R Y

Sting  
Metric end (model attachment)  
Internal Strain  
Gauge Balance



This diagram shows the internal strain balance inside an aircraft model where it can measure the aerodynamic forces and moments during a test using DOE. (Illustration provided by Old Dominion University, Va.)



## Red Cross bloodmobile at AEDC in honor of Mark Kelly Olson

By Raquel March  
ATA Public Affairs

The American Red Cross bloodmobile will be available at AEDC in honor of Mark Kelly Olson for blood donations March 25-29, 11 a.m. – 3 p.m.

About a year ago, Mark Kelly's life was simple. As a fourth grader at Liberty Elementary School, he stayed busy playing with friends, shooting hoops on the basketball court and having fun on the football field.

But things began to change when he began vomiting and his coloring turned to a yellowish green color. Mark Kelly's mother, Rose noticed something was wrong and took him to their family physician. They ran a series of tests and sent Mark Kelly to Monroe Carell Jr. Children's Hospital at Vanderbilt. After another round of tests, on April 18, 2012 Mark Kelly was diagnosed with Acute Lymphoblastic Leukemia (ALL).

Weeks later, doctors realized he was a very high risk patient with a poor survivability rate. Mark Kelly became part of a special study group for children who may face the same form of ALL. Since joining the group, he has had rare complications from the treatments, but

continues to fight for his health.

Thus far, Mark Kelly has needed close to 100 blood and platelet donations.

"I never understood how important donating blood was until I saw it on the pole going into my son's body," said Rose Olson.

The blood products Mark Kelly needs to survive would not be available to him if it weren't for blood donors.

"Every time he gets blood or platelets, I say a prayer thanking God for the donor," Olson said. "It humbles us to be able to be a part of getting the word out there about the importance of blood donations."

Mark Kelly is sharing his story to encourage blood donors to roll up their sleeves and help other children who are in the same battle.

The bloodmobile is a mobile blood collection lab that will move to a different location each day while stationed at AEDC. Employees may donate at any of the five locations during work hours with approval of the supervisor.

The dates and corresponding locations are: March 25 – the Engine Test Facility office building 877; March 26 – the Propulsion Wind Tunnel



Mark Kelly Olson, the 10-year-old son of ATA Operations Controller Mark Olson, dons a customized fire helmet he received from the Arnold AFB Fire Department, showing his honorary title as a "true hero" as the young man battles cancer at Nashville's Vanderbilt Hospital. (Photo provided)

office building 740; March 27 – the Administration and Engineering building 100; March 28 – the Carroll building 1103; and March 29 – the Main Cafeteria building 452.

Most healthy individuals who are at least 17 years of age and weigh a minimum of 110 pounds are eligible to donate blood. Individuals 18 years of age or younger must also meet specific height and weight requirements.

The Tennessee Valley Blood Services Region serves nearly 60 hospitals and must have approximately 600 people donate blood or platelets each weekday to meet the needs of hospital patients.

To donate blood at other locations see [www.redcrossblood.org/make-donation](http://www.redcrossblood.org/make-donation).

For more AEDC blood donation guidelines and information, contact Leslie Myers at 454-5387.

## AFMC launches surplus supply site

AFMC Program Integration Branch

WRIGHT-PATTERSON AIR FORCE BASE, Ohio – Air Force Materiel Command has launched a "Unit-Purchased Supplies Efficiency" site to help the command manage surplus supplies and equipment.

All AFMC employees have access to the site –

an Enterprise Information Management / SharePoint site – and they can post a listing of any excess supplies they have in their units. Similarly, employees can check for available supplies or equipment, sorted by location, to "shop" for what they need. The idea is to create

savings by repurposing supplies.

"The site allows quick access to view items that are available – at no cost," said Eddie Robinson, a change management specialist in the Program Integration & Business Operations Branch. "This is an AFMC consolidated site, so people can sort and view items by base.

It allows for easy redistribution of supplies, which will help since so many offices don't have much funding for supplies or equipment."

To learn more about the site, contact your unit's Government Purchase Card holder, equipment custodian or facility manager, or call 937-904-0025 (DSN 674-0025).

## Reserve activates cyberspace operations group

By Bo Joyner

AF Reserve Command Public Affairs

JOINTBASE SAN ANTONIO-LACKLAND, Texas (AFNS) – Air Force Reserve Command (AFRC) activated the first cyberspace operations group in the Air Force March 1.

Col. Lloyd Terry Jr., the 960th Cyberspace Opera-

tions Group commander, is charged with providing combat-ready forces with specialized expertise in the operation and defense of Air Force and Defense Department global information grids.

"The 960th is the one

belly button for cyber in AFRC," Terry said. "Just like the 310th Space Wing is the one-stop shop for all things space in AFRC, we are the one-stop shop for cyber."

The 960th CYOG has administrative control of 10 Reserve cyber organizations throughout the country.

There are four combat communications squadrons

– the 23rd CBCS, Travis Air Force Base, Calif., 35th CBCS, Tinker AFB, Okla., 42nd CBCS, Joint Base McGuire-Dix-Lakehurst, N.J., and 55th CBCS, Robins AFB, Ga. – that provide theater-deployable communications during wartime and contingency operations

See GROUP, page 10

## AFMC creates new website for sequestration details

WRIGHT-PATTERSON AFB, OHIO – Air Force Materiel Command (AFMC) military members and civilian employees can now turn to a single source for information about the federal budget sequestration and civilian furlough process.

The Headquarters AFMC Office of Public Affairs has activated a public Web page designed to keep the AFMC workforce informed about sequestration issues, includ-

ing answers to frequently asked questions, articles, etc. Much of the material on the page deals with the process of civilian furloughs that may be required during sequestration.

AFMC employees some 61,000 government civilian workers, the most of any command in the Air Force and one-third of all Air Force civilian workers.

The website can be accessed at <http://www.afmc.af.mil/sequestration.asp>.

## Navigating the Social Network

### Do's and Don't's of Social Media for Leaders

- Do listen to your followers and engage as necessary.
- Do keep your interactions conversational and informal, yet professional.
- Do consider your public image when using social media professionally and personally.
- Do pick the right communication tools for your audiences.
- Don't rely on social media alone to communicate your messages.
- Don't stifle conversations. If a comment or post doesn't hurt anyone and doesn't violate your comment policy, don't delete it.
- Don't be afraid of negative comments or opinions. It's just feedback and a potential opportunity to educate people about a topic.

Air Force  
Public Affairs  
Agency  
Social Media Division





## Air Force's first female chief

**FORT GEORGE G. MEADE, Md. (AFNS)** – In 1960, Chief Master Sgt. Grace Peterson became the first female chief master sergeant. She was not only the first female chief master sergeant; she was part of the original group of senior NCOs to be selected for the rank of E-9.

At the time of promotion, Peterson was the first sergeant of a 400-person Women in the Air Force, or WAF, squadron at McGuire Air Force Base, N.J.

Chief Peterson entered military service in New York City soon after the Dec. 7, 1941, attack that thrust America into World War II and joined what was then called the Women's Army Auxiliary Corps in 1942.

During an interview at Joint Base McGuire-Dix-Lakehurst in 2010, Peterson said, "I joined because of the horrors of Pearl Harbor and I felt I had to do something about it."

Peterson recalled the first momentous day she entered WAAC as a boot trainee. She was sent to the first WAAC training center, which she called hastily established, at Fort Des Moines, Iowa.

The "genius" who prepared these facilities to receive the first females into the military will forever command her admiration, she said.

"Male OD coats were issued and trailed in the snow for the shorter girls. None of us needed mittens for

the sleeves completely enveloped our arms," she said.

Four weeks later, she was assigned as company clerk to the second WAAC training center at Fort Oglethorpe, Ga., and in less than one year the "boot trainee" had risen to the rank of first sergeant.

To this date, Peterson maintains the "boot" expression derived from the heavy brogan shoes she had her charges wear in those days. After experiencing the rigors of basic training and a tight academic schedule - first as a pupil and later as an instructor - the precedent establishing experience of the veteran of six months was considered too valuable to relinquish.

She had, so to speak, found her niche in the Army...to greet and train the women volunteers who had followed her in steadily increasing numbers.

At this point in her career, Peterson said, "I was not only proud of my personal good fortune, but I felt an immense pride of my sex. Many of the volunteers we received - some a great deal older than myself - were college graduates and had established civilian careers but chose, instead, to serve with the armed forces. And I think the record points out the caliber of service women performed during the war."

Throughout the war years, Peterson remained in the United States except for a period of duty at Ladd Field, Alaska.

## Women conquer heights and fights

By Senior Airman Daniel Hughes  
99th Air Base Wing Public Affairs

**NELLIS AIR FORCE BASE, Nev. (AFPS)** – With women now allowed to pursue combat related career fields, the first notion is that women have not participated in combat related duties whatsoever. But in reality this isn't the first time women have been put in the line of fire.

During an airborne training exercise at Fort Bragg, N.C., female airborne engineers are taking part in combat training parachute jumps that simulate the seizure of a foreign runway. One of the roles is Rapid Engineers Deployable Heavy Operational Repair Squadron Engineers airborne

Expectations for male and female airborne members are set to an equal standard.

"In my eyes, no, I'm not treated any better or worse than any Soldier in the company," said U.S. Army 1st Sgt. Bianca Lathan, 161st Engineer Support Company from Fort Bragg. "I have just always been expected to perform as the same as my [male] counterparts."

The strength and endurance it takes to be a part of an airborne unit isn't a walk in the park for anyone. Physically demanding tasks such as carrying heavy packs, weapons and rucking after landing from a parachute jump are tasks airborne engineers must be able to complete whether they are male or female.

"For sure women need to be held to the same physical standards as men, in case

we have to pull one of them or carry the same equipment," said Staff Sgt. Christine Phillips, 820th RED HORSE engineer craftsman from Nellis AFB, Nev. "I am able to run just like they run, I can ruck just as long as they can, I don't hold them up."

Not only do these women carry the weight of work and family, they also deal with the pressure and expectations they place on themselves.

"Being the first female, first sergeant for the 161st Engineer Support Company, I want to ensure I do everything I'm supposed to do at a high level so there isn't any doubt," Lathan said, "Recently, at Jump Master School, I felt a lot of pressure to make sure I completed the school on my first time, but it was really just me putting [the pres-

sure] on myself."

With the ban of women in combat lifted, women will now be able to pursue the same combat career paths as men in the military.

"I have been in for 19 years and [have] seen the changes for women's equality and I feel this opportunity is something women have been fighting for a very long time

to be able to do," said Lathan.

"Having women in airborne units might not be smooth all the time, but being given the same opportunity as a man has given hardworking women the chance to prove to themselves and others that they can reach and achieve the same goals as their male counterpart," Phillips said.



Staff Sgt. Christine Phillips, 820th Rapid Engineer Deployable Heavy Operational Repair Squadron Engineers Airborne from Nellis Air Force Base, Nev., has her parachute harness tightened during a T-11 parachute training class Feb. 21, 2013, at Fort Bragg, N.C. The T-11 parachute is a bigger parachute than the 820th RED HORSE Airmen are used to using. (U.S. Air Force photo by Senior Airman Daniel Hughes)



Staff Sgt. Christine Phillips, 820th Rapid Engineer Deployable Heavy Operational Repair Squadron Engineers Airborne from Nellis Air Force Base, Nev., puts away a Dynamic Cone Penetrometer after measuring the layers and hardness of soil on Sicily Air Field Feb. 21, 2013, at Fort Bragg, N.C. This measurement is one of the steps in determining if an airfield is safe for aircraft landings. (U.S. Air Force photo by Senior Airman Daniel Hughes)

Reduce, Reuse, Recycle







# Students 'got skills' at Engineers Week Design Competition

By Raquel March  
ATA Public Affairs

How can egg cartons, plastic grocery bags, duct tape and paper towels be used to deliver a payload to a target?

This challenge was presented to 48 high school students to test their skills at last month's local National Engineers Week Design Competition. The students were from eight high schools in five surrounding counties.

"The challenge was to build a wind-powered vehicle to deliver a payload to a target," said Paul Kelly, design competition coordinator and ATA engineer. "The target was 170 inches from the starting point."

The students were provided with various materials in a kit and given two hours to design and build their vehicle. A portable fan provided the wind for the challenge.

The students were able to test their designs against each other after lunch.

"I was anxious to find out the problem because

I'm always hungry for a new challenge," said Cole Johnson, a Grundy County High School student and design competition participant. "To begin with, I thought we would run out of materials. But as it turned out we were given an ample amount of supplies to create a very successful design."

The challenge is presented in a way that students must use their math and physics knowledge. Kelly said the students handled the challenge well.

"Most used an egg carton that was provided in the materials kit," he said. "Sails were constructed from plastic grocery bags, manila folders, duct tape, and paper towels."

Carrie Reinholtz, an AEDC technology project manager, volunteered as a judge for this year's competition. Reinholtz looks forward to the event every year and describes the students as creative minds and innovative thinkers.

"This was my first year participating as a judge,"

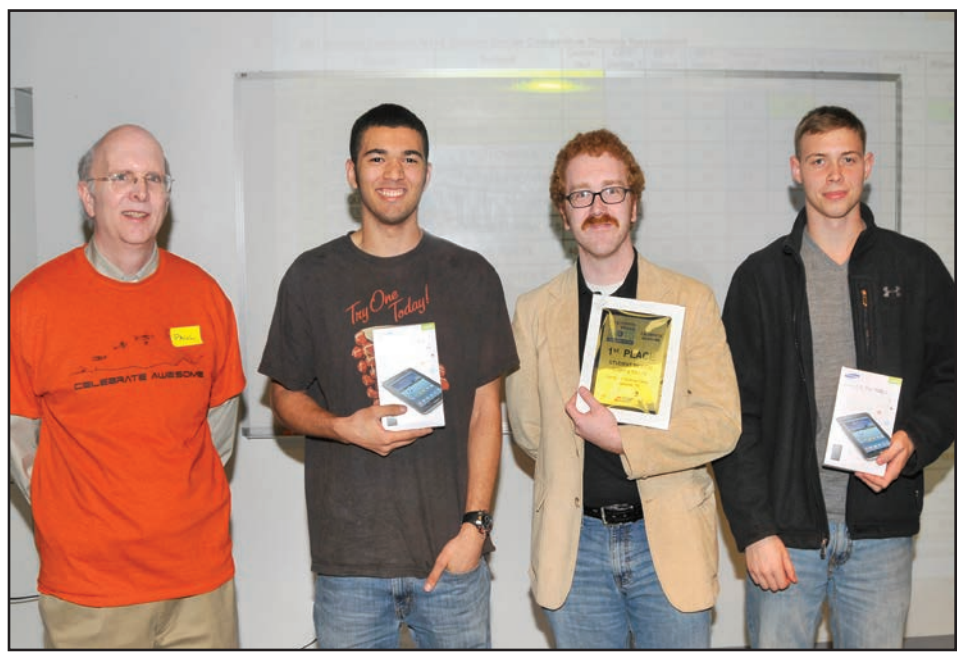
she said. "I really enjoyed listening and scoring the students' thought processes as well as their marketing strategies."

"In this day and age, the best design doesn't necessarily win. It's a package deal. You not only have to be good at the fundamental science and engineering of the design, but also a great communicator. The students excelled at both this year."

First place was awarded to Bedford County Cascade High School students Trevor Arnold and Steven McMillian. They each received a Galaxy Tab 2, seven-inch tablet and a first place plaque.

Second place was awarded to Coffee County Central High School students Phillip Hullett and Samuel Foster. The 2nd place prize to each student was a Kindle E-reader.

Third place was awarded to Bedford County Shelbyville Central High School students Vincent Caldwell and Jarred Smith. They each received an eight GB MP3 player.



Paul Kelly (left), the National Engineers Week Design Competition coordinator, is shown with first place winners Trevor Arnold (second from left) and Steven McMillian (right) from Cascade High School, and Cascade High School Physics teacher Jon Higdon. (Photo by Jacqueline Cowan)



Paul Kelly (left), the National Engineers Week Design Competition coordinator, is shown with second place winners Phillip Hullett (middle) and Samuel Foster (right) from Coffee County Central High School. (Photo by Jacqueline Cowan)



Paul Kelly (left), the National Engineers Week Design Competition coordinator, is shown with third place winners Vincent Caldwell (middle) and Jarred Smith (right) from Shelbyville Central High School. (Photo by Jacqueline Cowan)



Cole Johnson (left) and Jon-Luc Roberts, Grundy County High School students, explain how they made their transport vehicle before they tested it at the local National Engineers Week Design Competition. (Photo by Jacqueline Cowan)



Jonathan Mares (left) and Andrew Eads, Tullahoma High School students, design their transport vehicle within the two hour time frame at the local National Engineers Week Design Competition. (Photo by Jacqueline Cowan)



Scan this QR code for more Design Competition Photos.



Cascade High School student Trevor Arnold tests his team's vehicle design at the local National Engineers Week Design Competition. (Photo by Jacqueline Cowan)



Design competition vehicles are displayed during the local National Engineers Week Design Competition. (Photo by Jacqueline Cowan)



## Local students become engineers for a day at AEDC

Local high school students recently had the opportunity to examine the life of an engineer at AEDC through the Engineer for a Day event.

Aspiring junior and senior engineers from 13 high schools and a home school organization were invited to participate in the National Engineers Week event. Students took a tour of the complex's ground flight testing facilities and later had the opportunity to shadow a mentor in career fields like aerospace, electrical, civil, mechanical and environmental engineering.

Mentors volunteered to speak with 40 students about their careers and answered questions.



Rob Merrill (right), an AEDC engineer and project manager, explains the aerodynamic test process in the complex's Propulsion Wind Tunnel during a tour for the Engineer for a Day participants. (Photo by Rick Goodfriend)



Coffee County Central High School student Katie West (right) listens to ATA aerospace engineering mentor Henry Horne describe testing conducted in the complex's space chambers. (Photo by Rick Goodfriend)



ATA Aerospace engineers James Masters (left) and Ken Tatum (right) discuss an engineering application demonstration to Jacob Griffin, a Warren County High School student. (Photo by Rick Goodfriend)

**MY STRENGTH IS FOR DEFENDING**  
**AEDC Victim Advocates Hotline:**  
**(931) 581-7494**  
 Preventing Sexual Assault is part of our duty  
 Visit: [MyDuty.mil](http://MyDuty.mil)  **READINESS RESPECT**

### HERITAGE from page 3

come a long way, but there's still room for improvement."

Impressed by civil rights role models like Rosa Parks, the black seamstress who challenged segregation by refusing to give up her seat to a white passenger on a public bus, Burnette said, "She was a brave lady. When I first started [working here] it was a challenge, but things have really progressed. Now there seems to be as much potential here for us as anyone else."

She said one highlight of this year's event included hearing Prakash Wright, the pianist for her place of worship, the Mt. View AME Church in Winchester, play music before the general gave his speech.

Burnette said the other highlight during the event was when General Williams spoke about an event he attended at the Emancipation Oak, located on the campus of Hampton University.

In 1863, the Virginia's Peninsula's black community gathered under the oak to hear the first Southern reading of President Abraham Lincoln's Emancipation Proclamation, leading to its nickname as the Emancipation Oak.

The general was commissioned into the Army Quartermaster Corps in 1983 at Hampton University after earning his bach-

elor's degree in psychology.

"General Williams said they had a reunion there and just hearing about that document [the Emancipation Proclamation] and that the students could see that and put their hands on that tree where that document had been read – being where it had been read really stuck out with me," Burnette said.

Carl Hill, an ATA labor journeyman at AEDC's Model Shop, said attending events like the African-American Heritage Luncheon are a priority to him for two reasons.

"It is important to me, simply because of the fact that I am African American and throughout history and in my schooling there wasn't much on African American history," he said. "I grew up here in Middle Tennessee, in Sewanee. When I was a student in the Franklin County school system there was no black history.

"So anytime there's a lecture or promotion of African-American history – and it's really all American history – I try to take it in."

Milt Davis Jr., lead analysis engineer for AEDC's Air Force Analysis Branch, said events like the luncheon provides people with an invaluable way to celebrate America's diversity.

"It highlights the struggles and how far we've

come as a nation – to embrace not only our history and our heritage – but to embrace that all people are Americans," he said. "We all have something to bring to the table. No matter what background you come from, everybody is important."

Jackey Gates, an AEDC human resources military personnel specialist and an African-American Heritage committee member on base, said she heard positive feedback from those attending the luncheon, both from surrounding communities and complex employees.

"The significance of observing and celebrating African American History Month to me is that I have been at AEDC for five years now and I have seen the men and women, military, and civilians, and the community come together to support this function," she said. "It is important to continue the observance because we need to continue to explore the history and culture of African Americans."

"We discover new treasure of stories about triumph of the human spirit, inspiring accounts of everyday people rising above the indignities imposed by prejudice. These stories are not only an important part of African American history, but an essential part of American history."

*Do your part – Please recycle this paper after reading!*



# AEDC recognizes Annual ATA Technical Achievement Award winners

## Engineering Design Award

Austin Voorhes, in the project and design engineering department, was recognized for his rigorous and thorough life cycle analysis of the preliminary design for engine testing. His operations and maintenance cost analysis satisfied code and risk concerns.



Austin Voorhes

## Science and Technology Award

Inna Kurits, in the Integrated Test & Evaluation department at the Hypervelocity Wind Tunnel 9, was recognized for her exceptional work in overcoming challenges with producing high quality results in Temperature Sensitive Paint data.



Inna Kurits

## Technical Project Leader Award

Brian Knack, in the Integrated Test and Evaluation department, was recognized for his leadership in the development of a new software tool. He developed the conceptual solution for streamlining test article instrumentation requirements.



Brian Knack

## Engineering Analysis Award

Steve A. Arnold, in the Integrated Test and Evaluation department, was recognized for analysis of an engine system and use of Design of Experiments.

His methods highlighted system performance processes.



Steve A. Arnold

## Engineer of the Year Award

Ken Clark, in the Test Assets and Support department, was recognized for his persistence and technical expertise used in coordinating repair to an electrical motor. The repair saved AEDC repair cost and significant equipment down time.



Ken Clark

# Successful MathCounts competition sets stage for STEM educational, career opportunities

By Philip Lorenz III  
ATA Public Affairs

Most young people would probably not consider mathematics to be their favorite subject in school and would likely also acknowledge that it is a challenge, regardless of their abilities.

Recently, local middle school students, who share a passion and an aptitude for math, had the opportunity to take part in the 2013 National Engineers Week MathCounts competition Feb. 16 at the University of Tennessee/Space Institute (UTSI).

MathCounts is a critical tool to encourage sixth, seventh and eighth grade students to engage in and hopefully pursue science, technology, engineering and mathematics educations and careers.

The competition consists of up to four different rounds:

The Sprint Round (40 minutes) consists of 30 problems. This round tests accuracy, with time being such that only the most capable students will complete all of the problems. Calculators are not permitted.

The Target Round (approximately 30 minutes) consists of eight problems presented to competitors in four pairs (6 minutes per pair). This round features multi step problems that engage Mathletes in mathematical reasoning and problem-solving processes. Problems assume the use of calculators.

The Team Round (20 minutes) consists of 10 problems that team members work together to solve. Team member interaction is permitted and encouraged. Problems assume the use of calculators.

The MathCounts team from East Middle School in Tullahoma, which included Andrew Mares, Kathryn Brosemer, William Kuebitz and Spencer Baxter, took first place, with Webb School's team in Bell Buckle taking the second place honors, and Tullahoma's West Middle School placing third in the team competition.

MathCounts individual winners were Morgan Anderson, with West Middle School, who placed first; Kelsi Burt, with West Middle School, who placed second; and Andrew Mares, with East Middle School, who took third place honors.

Morgan Anderson, Kelsi Burt, Corrina Zhang with Webb School, and Caden Thronberry with East Middle School, were the top scoring individuals not on the winning team.

These four individuals, plus the winning East Middle School Team, will compete in the Tennessee State competition in Nashville.

Harry Clark, Tullahoma Chapter MathCounts coordinator and a senior manager for test facility planning at AEDC was excited by what he witnessed at this year's event.

"We had six schools participating this year, which was double what we had last year," Clark said. "We had last year's three competing schools, which were East Middle School, West Middle School and the Webb School, plus we had the Highland Rim Elementary School from Fayetteville. [Also] we had the Harris Middle School from Shelbyville and we had the Coffee County Middle School from Manchester involved with the competition."

"MathCounts is a way

to engage sixth, seventh and eighth graders in an appreciation for and love of mathematics."

Clark said a program like MathCounts is not only critical to the mission at AEDC and other test organizations, but it is essential to the future of STEM careers in the United States.

Clark said he was very impressed with the local 2013 MathCounts competition – by the young people, both at the team and individual level, and the teachers, too.

Clark said his years as MathCounts program coordinator have resulted in some lessons learned.

"What I've discovered is that, even in these times of immediate gratification, there are kids out there who really like math," he said, "And, if there are teachers available or coaches available to help them with this very difficult competition, those kids are eager to engage, to take their own personal time and build their skills so that they really

grapple with this very difficult exam.

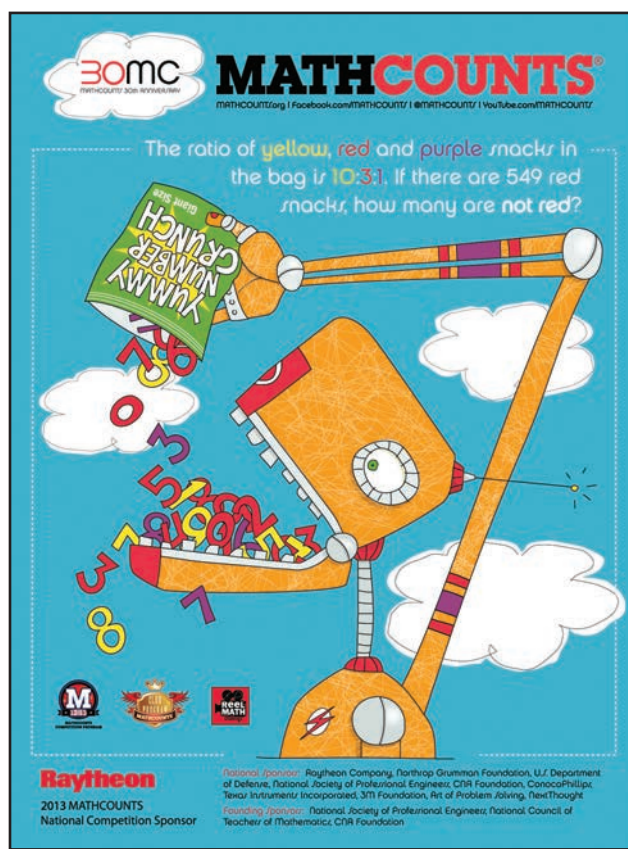
"My take-away [from this year's MathCounts competition] is that I think there are teachers, throughout our middle Tennessee area who are interested in how they can help their students come to terms with mathematics and other aspects of our technological society, that are beyond the curriculum. They simply need to be made aware of these opportunities to do that."

Trent Stout, the teacher at East Middle School, led his MathCounts team in the local competition.

"Trent [at] East Middle School has an interesting approach," Clark said. "They have really become the strong competing school in the last three or four years. I think that's primarily because they have a very studied approach to this."

East Middle School has an eighth grade team that

See MATH, page 10



# Milestones

### 45 YEARS

Bobby King, ATA  
William Lamb, AF  
William Lawrence, ATA



Bill Lamb

### 30 YEARS

David Butner, ATA  
Melody Gilliam, ATA  
William Jennings, ATA  
Thaddeusz Kaczorek, ATA  
Cheryl Reed, ATA

### 25 YEARS

Jim Childers, Jr., ATA  
Leonard Cooper, ATA  
Lynda Duncan, ATA  
Tommy Henley, ATA  
William Riner, ATA  
Edna Stovall, ATA



Bill Lawrence

### 20 YEARS

Paul Denton, ATA  
Terry Harris, ATA  
Charles Sherrer, ATA  
Joseph Sliger, ATA  
David Smith, ATA

Jack Lynn, ATA  
Wayne Patton, ATA

### 15 YEARS

Patrick James, ATA  
Terry Mullin, ATA  
David Ruckstuhl, ATA

**NEW HIRES**  
Vivian Auer, AF  
Brandon Bailey, ATA  
April Demery, AF  
Richard Stacey, AF  
Marlin Stephens, ATA  
Ryan Tatro, ATA

### 10 YEARS

Diane Coode, ATA  
James Masters, ATA

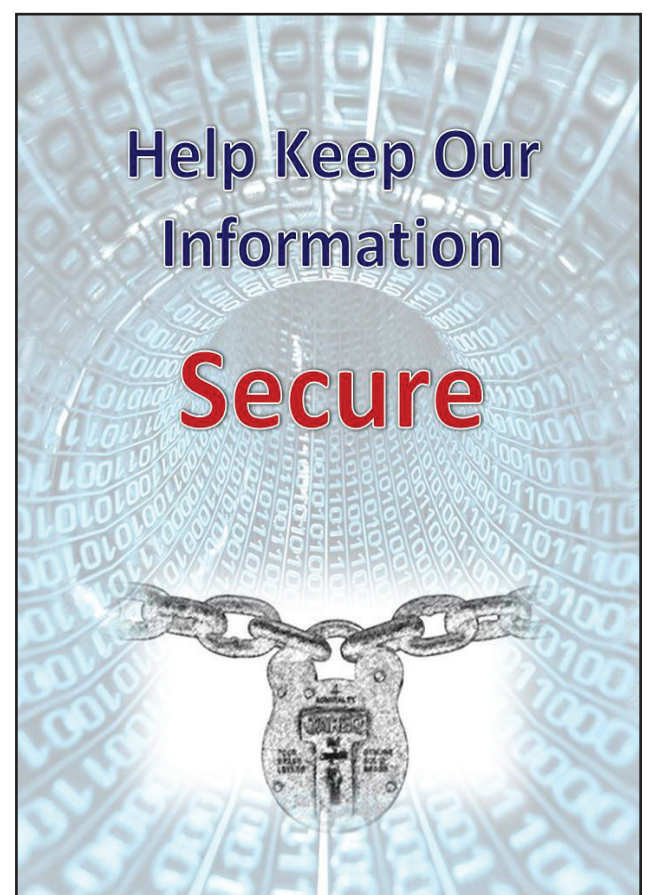
### 5 YEARS

Dan Bess, ATA  
Douglas Camp, ATA  
Jeff Farris, ATA  
Danny Hall, ATA  
Henry Horne, ATA

**PROMOTIONS**  
Ronald Brandy, ATA  
James Hicks, ATA  
Matthew Karczewski, promoted to 1st Lt.  
Launa Konyndyk, ATA  
Jason Morris, ATA  
Robert Schwer, ATA  
Kevin Uehlein, ATA

### RETIREMENTS

William Brown, ATA  
Alfred Jennings, ATA





## Series showcases daily examples of women's accomplishments

By Rich Lamance

Air Force News Service

**FORT MEADE, Md. (AFNS)**—On Friday, March 1, we began a month-long recognition of women's contributions to our Air Force, putting a blue perspective to the 2013 National Women's Project theme of "women inspiring innovation through imagination."

The 31-day [www.af.mil](http://www.af.mil) series will showcase a profile each day of a woman or women's organization that made an impact over the more than seven decades of women's involvement with the Air Force and our predecessor, the Army Air Corps.

The series begins with Col. Jeannie Leavitt, the Air

Force's first female fighter pilot and later the service's first woman to graduate from the Air Force Weapons School at Nellis Air Force Base, Nev. Today, she has the distinction as the Air Force's first female combat wing commander.

The series covers the early trailblazers of women's contributions to aviation and the Air Force with examples of female pilots who, during the early days of World War II, ferried fighter and cargo aircraft across the country for shipment overseas. One example tells of Hazel Ying Lee, a young Chinese-American female pilot who told the story of crash-landing in a rural wheat field in Kansas and

being chased by the farmer because he thought she was a Japanese fighter pilot attacking U.S. soil.

The profiles run the gamut of women who have made a difference. Some, like Gen. Janet Wolfenbarger, the Air Force's first four-star general, and Sheila Widnall, the first female Secretary of the Air Force, are obvious choices. Some, like Master Sgt. Jennifer Allara, an EOD specialist, and Capt. Sarah Schecter, the Air Force's only female Rabbi chaplain, may not be as well known.

The series shows that, at least for women in the Air Force, 'inspiring innovation through imagination' has been a way of life for more than seven decades.



March kicks off month-long women's history series. (Graphic by Sylvia Saab)

### GROUP from page 4

or humanitarian missions in austere locations.

The command's two classic associate network operations squadrons – the 860th NOS, Joint Base Langley-Eustis, Va., and 960th NOS, Peterson AFB, Colo. – work with their active-duty counterparts to operate sustain and defend assigned Air Force networks.

Two classic associate network warfare flights – the 860th NWF, JB Lackland-San Antonio and 960th NWF at Offutt AFB, Neb. – monitor Air Force communications-computer systems to determine if any information is being revealed that may be of intelligence value to an adversary.

Finally, there are two 960th CYOG detachments that operate as classic associate units with the 624th Operations Center and the 33rd Network Warfare Squadron at JB San Antonio-Lackland, that are on track to become squadrons later this year.

Det. 1, associated with the 624th OC, establishes plans, directs, coordinates, assesses and provides full-spectrum cyber command & control operations and capabilities in support of Air Force and Joint requirements. Det. 2, associated with the 33rd NWS, produces effects for the Air Force and combatant commands in, through and from

cyberspace by employing synchronized network defense operations to detect, respond to and prevent network intrusions.

There are currently about 800 people working in cyber throughout AFRC, and that number is sure to grow.

"We are definitely hiring, both TRs (traditional reservists) and ARTs (air reserve technicians)," Terry said. "That's one of our primary challenges right now – to fill all of the openings we have. And, we're not just looking to bring in prior-service people. We know there are kids in high school today who have a lot of the basic skills we are looking for."

### MATH from page 9

is coached by Stout. The way the competition works, schools may bring a team of four, plus they can bring up to six other individual competitors. East Middle School had six other individual competitors who are sixth graders and seventh graders who were coached by Christy Hazelwood. The sixth and seventh graders are working up through the ranks.

Clark said Coffee County Middle School's team also made a good showing.

"They have a new math teacher there and she informed me that she had done MathCounts in North Carolina, where she was previously," Clark said. "She was really excited

to know that there was MathCounts here and she brought a young team, and they competed well.

"The team from Highland Rim Elementary School in Fayetteville – the teacher who ran that team – that whole team was just really excited. They came with their own T shirts which had a pi emblem on the front. That's the first time that school had ever competed. But the teacher was really enthusiastic about this opportunity that it offered her to engage those students. So, I think they'll be back."

Clark also complimented the efforts of the Harris Middle School from Shelbyville, saying that

they brought a large team, just as East did, and they had a good mix of grades represented.

The role AEDC's senior leadership has taken in support of local National Week Engineering events is invaluable, according to Clark.

"[AEDC Commander] Colonel Toth comes to these events," Clark said. "He invariably says, 'AEDC needs engineers, you are going to be the next generation of engineers, we're thrilled to see you engaging in these things that will help you become good engineers.'"

"I think that's fantastic. We've got to have that level of support over and over again, year after year."

To advertise in the High Mach, call the Tullahoma News, 455-4545.











# Airman revisits recovery with Lt. Dan after injuries

By Airman 1st Class Michelle Vickers  
1st Special Operations Wing Public Affairs

**HURLBURT FIELD, Fla.** - (AFNS) – Lt. Dan, as Forrest Gump film actor Gary Sinise is affectionately known, may not actually be a member of the military, but he treats each service member he meets with the deep-seated respect that should be given to a brother-in-arms.

For Hurlburt Field's Tech. Sgt. Christofer Curtis, a CV-22 flight engineer of 8th Special Operations Squadron, Sinise and the Lt. Dan Band's February visit was more than a good time at a concert. It was a full circle moment in Curtis' journey towards recovery after suffering injuries, including 17 broken bones, in an aircraft crash in Afghanistan during a 2010 deployment.

"We met in the hospital when he had been injured and we ran into each other again when I did another visit three or four months later," Sinise said in describing meeting Curtis at Walter Reed National Military Medical Center. "Now he's here [at Hurlburt] and we're really happy he's back."

With a daunting recovery ahead of him and the need to relearn how to walk, Curtis latched onto any support he could receive.

"I was in for the long haul, not just being reconstructed physically but also mentally," Curtis said. "I believe the first time [Sinise] was there I was still waiting to bury my aircraft commander and there were a lot of emotions at the time. I can remember back then I was just a mess, but the thing that really kept

[me together] was the support from Air Force Special Operations Command, my family of course, my close friends and folks like Gary Sinise."

While a short visit to the hospital room of a wounded warrior may seem like a minor contribution in comparison to the sacrifice of an Airman injured in combat, for Curtis, the visits reminded him that his sacrifice was honored.

"[Sinise] truly cares for those that defend this nation, and continues to do so," Curtis said. "It's one thing to talk about support but to act and do something continually is the true mark of a patriot. That constant time and presence he volunteers to our service members and their families is amazing."

Though Sinise began his work with veterans years before his role as Lt. Dan, once he portrayed an amputee veteran he began to gain insight into the struggles of wounded warriors.

"Then I started interacting with people like [the character] Lt. Dan and Chris, and getting to know people who have been hurt and are trying to come back," Sinise said. "The spirit of someone like Chris, people who just come back from injuries, they're all over the place. You probably go through those days like Lt. Dan did in the movie where he's really dark for a while and just can't get his mind right. Then things happen that put them all in perspective and get you going."

After coming to the hospital to start the long road to recovery, Curtis found



**U.S. Air Force Tech. Sgt. Christofer Curtis, a CV-22 flight engineer of the 8th Special Operations Squadron, talks with Gary Sinise at the Hooch Bar and Grille at Hurlburt Field, Fla., Feb. 8. Curtis had previously met Sinise in the hospital while Curtis recovered from injuries sustained during a deployment. (U.S. Air Force photo by Airman 1st Class Naomi M. Griego)**

himself experiencing many of the same emotions that Lt. Dan worked through in *Forrest Gump*.

"Now I didn't lose my legs and get out of the military, but I certainly could have chosen to get out and learning how to walk again was no picnic," Curtis said. "My destiny was to be 6 feet tall and an AFSOC-sharpened weapon or 6 feet under with my fallen crew members. I felt as if I had been stuck in the middle and it took me a long time to finally figure out that there's always something to live for and never give up on a purpose to live."

Bolstering the morale of service members, whether they are deployed overseas or recovering after being wounded in combat, is a key goal of Sinise's Lt. Dan Band. For Sinise, honoring the troops is a natural place

to direct his attention and talents.

"I just have a lot of respect for people that decide to do this, to take this course with their life, public service," Sinise said. "What would we do as a country if we had nobody who wanted to raise their hand and join our service? Well, then we'd have to have a mandatory service so we're grateful for those who choose this."

Curtis's recovery experience altered his outlook on

such service and on those who serve alongside him. With the needed support and encouragement, wounded warriors such as Curtis are able to return to duty.

"I look at those who served completely different," Curtis said. "It's no longer something that's just a word to me. I always remember that today is probably someone's day one being a wounded veteran and the impact that has on their families and friends can be frightening.

I told myself that if there is any chance that I could continue to serve I would do so. As with many other wounded warriors, I had quite a bit of fight left in me. So I used that sense of continued duty and focused it on a new mission at the time, to get better. Now with that objective cleared, it's back to flying."

Curtis is currently working to regain his flight qualification status so he can return to flying special operations missions.





# Innovative teaching idea saves Air Force \$1.1 million

By Dan Hawkins

82nd Training Wing Public Affairs

**SHEPPARD AIR FORCE BASE, Texas (AFNS)** – An idea by the 982nd Training Group to make formal military instructor training available at field training detachments has saved the Air Force more than \$1.1 million in temporary duty expenditures so far in fiscal year 2013.

The FTD version of the Principles of Instruction course, or POI, was implemented at 46 of the 48 FTD's owned by the 982nd TRG on Oct. 1 of last year. To date, 396 students have graduated a total of 66 classes, saving the Air Force not only in money, but in time spent away from home stations.

"This whole process really started in the fall of 2011 during an FTD optimization conference with the major commands," said Chief Master Sgt. Michael Young, 982nd TRG

group superintendent. "We wanted to put efficiencies in the processes and the idea came up to do the POI course out at the detachments instead of sending people here to Sheppard."

Principles of Instruction, or POI, is an 80-hour course designed for students from any Air Force Specialty Code who are not "T"-certified instructors and helps them understand the basics of teaching and speaking in front of a classroom.

Students learn about their role in the classroom environment, the communication and learning processes, along with curriculum development and classroom presentation techniques.

Young said most of the allocations to attend the POI course are for local training requirements and it just made sense to try and teach the POI course

notionally during breaks in the FTD instructors' primary maintenance course schedules.

Getting the course approved to be taught at the field training detachments did prove to be a challenge.

"We had to work through turning this course into a J4 course (advanced skills training) from a J3-type course (initial skills training)," said Jimmy Keen, 372nd Training Squadron's training manager for faculty development. "This took a little bit of time, but once we worked through the issues, the ball started rolling."

Validating the course was a four-month effort between 982nd TRG detachments at Joint Base Langley-Eustis, Va., Seymour Johnson Air Force Base, S.C. and Travis AFB, Calif. The course was officially validated in late February of this year.

At Joint Base Langley-Eustis, Master Sgt. James Yount, an F-22 avionics

instructor and flight chief with Field Training Detachment 18 of the 372nd TRS, discussed the value of the course to the different base organizations who need the training.

"We have taught two classes with 15 graduates so far," Yount said. "Five different organizations, including security forces, aircraft maintenance, intelligence and logistics have taken advantage of the local training. We've saved over \$52,500 for the Air Force as well."

Both in terms of taking care of mandatory training needs and being fiscally-responsible in line with a cost-conscious culture, one of the biggest beneficiaries of the course being taught at the FTD's has been the security forces career field.

Air Combat Command (ACC) Security Forces has tripled their number of POI graduates from the previous year in the first five months since the new course came online and saved approxi-

mately \$288,850 in TDY costs in the process.

"Finding training solutions to meet our AFI requirements has been a challenge," said Senior Master Sgt. Michael Wilsey, the Headquarters, ACC Security Forces training branch manager. "The opportunity to attend this localized training has definitely enhanced our capabilities and increased the quality of training at our units."

With training instructors at Silver Flag's Ground Combat Readiness Training Center at Creech Air Force Base, Nev., the 820th Base Defense Group at Moody Air Force Base, Ga., and unit-level instructors at the bases themselves, the sheer number of students who need training was a huge obstacle to tackle.

"Just for perspective on how significant this course is, in fiscal year 2012, we (ACC security forces) were only able to schedule a total of 38 seat allocations in the

POI course," Wilsey said. "Since Oct. 1, 2012, when the course became available at the detachments, 109 security forces airmen from ACC have completed the course."

Additionally, 75 security forces personnel are scheduled to attend a POI course at an FTD over the next three months, with a projected cost avoidance of \$198,750 in keeping members at their home stations.

For the instructors at the detachments, teaching the course has added a different layer of training than they would normally get to teach.

"It really showcases how talented our instructors are," said Tech. Sgt. Bryan Kierstad, F-22 avionics instructor at the 372nd TRS FTD 18 at Langley. "We are all experts in our maintenance career field, so it's a rewarding challenge for us to teach people the basic functions a military instructor utilizes in their job."

## Fix-a-flat



Senior Airman John Myer pushes a tow bar under the tire of a B-52H Stratofortress during a Red Flag exercise at Nellis Air Force Base, Nev. The B-52 shredded a tire upon landing after a four-hour mission. Myer is a B-52 aircraft maintainer assigned to the 2nd Aircraft Maintenance Squadron at Barksdale AFB, La. (U.S. Air Force photo/Staff Sgt. Vernon Young Jr.)



# DON'T FORGET TO FEED THE BIN!













**Arnold Golf Course**  
454-GOLF  
454-FOOD

Check us out on Facebook! Arnold AFB Services Golf Course

Did you know **breakfast at Mulligan's Coffee Bar & Grill** is served all day on Saturday and Sunday? The grill is open 8 a.m.-2 p.m. and you may order breakfast items anytime during those hours. Lunch items are served beginning at 10:30 a.m. Lunch is also served Monday through Friday 10:30 a.m.-2 p.m. Call 454-FOOD to place advance or to go orders.

Arnold Golf Course is offering a **Spring Into Golf Special** every day in April. A special price of \$26 includes 18 hole green fee, 18 hole cart fee plus hot dog and fountain soda - a \$35 value!

**Arnold Golf Course Customer Loyalty Program**

Purchase an annual green fee for the 2013 season and receive:

- 10 percent discount on Pro Shop merchandise
- 10 percent discount on Cart rental
- 10 percent discount on Driving Range tokens
- 10 percent discount on food/beverages at Mulligan's Coffee Bar & Grill

These discounts are good April 2013 through March 2014. Not valid in conjunction with the Members First Plus discounts. Maximum discount allowed is 10 percent. Sale items and alcohol are not authorized for these discounts.

**2013 Tournament Schedule**

- April 13 - Commander's Season Opener (4-person scramble)
- April 15 - AEDC Golf League begins
- 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

**The Commander's Season Opener** will be a four-person scramble April 13 with an 8 a.m. shotgun start. Entry fee is \$25 per player and includes lunch. Green fee and cart fee are extra. Sign up by April 11.

**Sausage and biscuits available in the Pro Shop** Monday through Friday. If you have an early golf outing during the week grab a quick breakfast before you start. These sausage and biscuits are from the Mulligan's Coffee Bar & Grill menu prepared in advance and placed in the warmer in the Pro Shop for your convenience. The biscuits are \$2 each and coffee is also available. The grill opens at 10:30 a.m. during the week and serves a full breakfast on Saturday and Sunday starting at 8 a.m. The Pro Shop will have the sausage and biscuits available starting at 7 a.m. Monday through Friday but limited quantities will be available so get them while they last.

**Mulligan's Coffee Bar & Grill** is open 10:30 a.m. to 2 p.m. Monday through Friday and 8 a.m. to 2 p.m. Saturday and Sunday. Call ahead orders for dine in or carry out, 454-FOOD (3663).

**Arnold Lakeside Center**  
454-3350

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

**Starbucks Veranda Blend Blonde Roast Coffee** is now available in Café 100. The blonde roast is a mellow blend with a soft and friendly disposition. Try a blonde roast in tall, \$1.25, grande, \$1.50, or venti, \$1.75. Café 100 is located in

See BRIEFS, page H2

## Daddy Daughter Dance "Sock Hop" April 20 at Arnold Lakeside Center

The Community Center at Arnold Lakeside Center will host a Daddy Daughter Dance Sock Hop on April 20 from 6-9 p.m.

All ages are invited to attend with their daddy. If daddy is unavailable, another guy may come in his place. Dress will be in the 1950s Sock Hop theme and may vary from poodle skirts to prom gowns and greasers to gents.

The menu will follow the 1950s diner and malt shop theme with a choice of cheeseburger or chicken strips served with either french fries or onion rings and milkshake or sundae. Dinner will be served from 6-7:30 p.m. and the malt shop will be open from 6:30-8:30 p.m. Each person will receive a ticket upon arrival to redeem at the malt shop

for either a milkshake or sundae.

Also upon arrival, have your picture taken next to a classic car (weather permitting) and a commemorative photo will be ready for you to take home at the end of the event.

In case of inclement weather, the photos will be moved indoors. A DJ will provide music from 6-9 p.m. and there will be a twist and a hula hoop contest. An event keepsake will be presented to all "Dollies" (1950s slang for girl).

Cost for the evening is \$22 per couple for members and \$24 per couple for nonmembers. Additional "Dollies" in the same family will be \$10 extra for members and \$11 extra for nonmembers. To make reservations, call 454-3350 by April 16.



## Texas Hold 'Em Mini Tournament for members only, Fridays in April



Arnold Lakeside Center will host a Members Only Texas Hold 'Em Mini Tournament every Friday in April. Play will begin at 6 p.m. in The Landing bar. There is no cost to enter, but all players must be age 18 or older.

Prizes will be awarded each week to 1st, 2nd, and 3rd place finishers. Tables will be created by random draw of the players present at starting time. Players must be present by 6 p.m. to draw tables. No players accepted after 6 p.m. Dinner is available from 5-9 p.m.

## Outdoor Rec Expo comes to A&E April 11



Outdoor Rec will hold an outdoor Expo at building 100 (loading dock side) from 10 a.m. to 2 p.m., April 11.

All base employees are encouraged to come by and see some of the items available for rent from Outdoor Rec. Stop by to see what is new for the summer and learn about many of the customer favorites available.

Some of the new items include custom

made corn hole, tandem kayaks, archery equipment and Frisbee golf. Other items include kayaks, canoes, windsurfer, pontoon, team building kit, inflatables, grills, canopies, fishing poles and more. Brochures with pricing and information on these items as well as camping at FamCamp, Crockett Cove and Dogwood Ridge will also be available.

Door prizes will be given throughout the event so be sure to register. You do not have to be present to win, but all entries must be filled out completely to be eligible. Prizes may be picked up at a later date from Outdoor Rec.

Hot dogs, chips and beverage will be available free of charge so stop by during lunch and check us out.

## Golf League play begins April 15

The 2013 AEDC Golf League will begin play at Arnold Golf Course April 15. The league is limited to the first 20 four-person teams to sign up.

The format is four-person team match play with a maximum individual nine-hole handicap of 13 established. Ladies will play from the red tees, men under age 60 will play from the blue tees, and men age 60 and over may choose to play from the gray tees.

Each team will play either Monday or Tuesday at 4:30 p.m. for a maximum of 19 weeks dependent upon the number of teams entered. There will be no league play on the weeks of Memorial Day and

July 4th. Daily green fees will apply and vary depending on use category (i.e. military, DOD, contractor, other).

To enter a team, send an email to one of the contacts below and include your team name, names of members with phone numbers, and identify the team captain. All entries must be submitted by March 30. If you are interested in participating please contact one of the following: ATA contact J.T. Northcutt, 454-4771, or Lyle Sissom, 454-5199; DOD contact Kemp Brooks 454-6870; others may contact Arnold Golf Course 454-GOLF. This is a Fitness Center program ran through and held at Arnold Golf Course.



## 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.

**Check out the movie schedule on page H3**



Horizon is a Services Division publication designed to inform our customers of events and specials in Services Division activities. All program dates, times and prices are subject to change. Services Division mailing address is at 100 Kindel Drive, Suite C321, Arnold AFB, Tenn. 37389-3321

Services information written and provided by Tanya Bryan

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## Services Division Phone Numbers

**Area code 931 DSN 340**  
 Services Chief – 454-7779  
 Services Deputy – 454-5915  
 Community Services Flight Chief – 454-4062  
 Complex Manager – 454-3367  
 Arnold Lakeside Center (ALC) – 454-3350  
 Arnold Lakeside Center catering – 454-3350  
 Hap's Pizza – 454-5555

Café 100 – 454-5885  
 Membership Information – 454-3367  
 Information, Tickets & Travel – 454-3303  
 Barber Shop – 454-6987  
 Gossick Leadership Center – 454-4003  
 Human Resources – 454-5481  
 Marketing & Sponsorship – 454-3128  
 Recycling – 454-6068

Wingo Inn – 454-3051  
 Fitness Center (FC) – 454-6440  
 Golf Course (GC) – 454-GOLF (4653)  
 Mulligan's Coffee Bar and Grill - 454-FOOD (3663)  
 Outdoor Recreation (ODR) – 454-6084  
 includes Marina, FamCamp,  
 Crockett Cove &  
 Dogwood Ridge

# April 2013

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	<b>1</b> GC Spring Into Golf special and Customer Loyalty begin FC Group Class Big 4 Challenge begins FC Boot Camp 6 a.m. FC Cycling Class 11 a.m. FC Yoga 11 a.m.	<b>2</b> ALC AEDC Woman's Club luncheon, 9:30 a.m. FC Cycling Class 11 a.m. FC Interval Class 3:30 p.m.	<b>3</b> FC Boot Camp 6 a.m. ALC Café 100 BBQ lunch special \$6 FC Yoga 11 a.m.	<b>4</b> FC Cycling Class 11 a.m. FC Interval Class 3:30 p.m. ALC Movie Night "Hotel Transylvania" PG 6:30 p.m. dinner available 5-8 p.m.	<b>5</b> FC Boot Camp 6 a.m. FC Yoga 11 a.m. ALC First Friday Jam 6 p.m. ALC Texas Hold 'Em Members Only Mini Tournament, 6 p.m.	<b>6</b> ODR Archery Basics Class, 9 a.m., \$5, sign up by March 29 ODR Paintball, 9:30 a.m., ages 10+, \$35, sign up 454-6084 ODR Camping Guests Lake Tour, 12-2p.m., \$5
<b>7</b>	<b>8</b> ALC/GC AF Hoops Promotion ends FC Boot Camp 6 a.m. FC Cycling Class 11 a.m. FC Yoga 11 a.m.	<b>9</b> FC Cycling Class 11 a.m. FC Interval Class 3:30 p.m.	<b>10</b> FC Boot Camp 6 a.m. ALC Café 100 BBQ lunch special \$6 FC Yoga 11 a.m.	<b>11</b> ODR Outdoor Rec Expo by A&E, 10a.m.-2p.m., free hot dog and chips, door prizes, lots of information FC Cycling Class 11 a.m. FC Interval Class 3:30 p.m. ALC Movie Night "Parental Guidance" PG 6:30 p.m. dinner available 5-8 p.m.	<b>12</b> FC Boot Camp 6 a.m. FC Yoga 11 a.m. ALC Texas Hold 'Em Members Only Mini Tournament, 6 p.m.	<b>13</b> ODR Paintball, 9:30 a.m., ages 10+, \$35, sign up 454-6084
<b>14</b>	<b>15</b> FC Boot Camp 6 a.m. FC Cycling Class 11 a.m. FC Yoga 11 a.m. GC League play begins 4:30 p.m.	<b>16</b> ALC Deadline to sign up for Daddy Daughter Dance Sock Hop FC Cycling Class 11 a.m. FC Interval Class 3:30 p.m.	<b>17</b> FC Boot Camp 6 a.m. ALC Café 100 BBQ lunch special \$6 FC Yoga 11 a.m. FC Spring Fun Run 11 a.m.	<b>18</b> FC Cycling Class 11 a.m. FC Interval Class 3:30 p.m. ALC Movie Night "The Hobbit: An Unexpected Journey" PG-13 6:30 p.m. dinner available 5-8 p.m.	<b>19</b> FC Boot Camp 6 a.m. FC Yoga 11 a.m. ALC Texas Hold 'Em Members Only Mini Tournament, 6 p.m.	<b>20</b> ODR Paintball Tournament, 10 a.m., ages 10+, \$55/team, sign up 454-6084 ALC Daddy Daughter Dance Sock Hop, 6-9 p.m., \$22/couple mbr, \$24 non, RSVP by April 16, 454-3350
<b>21</b>	<b>22</b> FC Boot Camp 6 a.m. FC Cycling Class 11 a.m. FC Yoga 11 a.m.	<b>23</b> FC Cycling Class 11 a.m. FC Interval Class 3:30 p.m.	<b>24</b> FC Boot Camp 6 a.m. ALC Café 100 BBQ lunch special \$6 ALC Administrative Professionals' Day Appreciation: free cupcake with combo purchase during lunch FC Yoga 11 a.m.	<b>25</b> FC Cycling Class 11 a.m. FC Interval Class 3:30 p.m. ALC Movie Night "The Guilt Trip" PG-13 6:30 p.m. dinner available 5-8 p.m.	<b>26</b> FC Boot Camp 6 a.m. FC Yoga 11 a.m. ODR Camping for Beginners at Fam-Camp 4 p.m. ALC Last Friday Trivia, 6:30 p.m. ALC Texas Hold 'Em Members Only Mini Tournament, 6 p.m.	<b>27</b> ODR Paintball, 9:30 a.m., ages 10+, \$35, sign up 454-6084 ALC Intro to Hula Hooping, 10 a.m.
<b>28</b>	<b>29</b> FC Boot Camp 6 a.m. FC Cycling Class 11 a.m. FC Yoga 11 a.m.	<b>30</b> FC Cycling Class 11 a.m. FC Interval Class 3:30 p.m.	 <p><i>Daddy Daughter Dance "Sock Hop" April 20 at A&amp;E</i></p>			

## 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.  
**Barber Shop:** by appointment – Monday, Tuesday, Thursday & Friday, 8 a.m.-4 p.m.  
**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.  
**Fitness Center:** Monday-Friday, 5 a.m.-7:30p.m.; Saturday, 8 a.m.-1 p.m.; Sunday Closed.  
**Arnold Golf Course:** Pro Shop & Driving Range – 8 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.

## BX/Commissary customer eligibility

AEDC government civilian and AEDC contractor employees have access to the following limited items at the base exchange (BX): consumable items including toiletries and over-the-counter pharmaceuticals, food items such as candy, chips, little meal items, hot dogs and soft drinks. Alcohol and cigarettes are not included as consumable items. However, only active duty and retired uniformed services personnel and their dependents are eligible to use the base commissary next to the BX. The commissary hours of operation: Tuesday, Wednesday and Friday 9 a.m.-5:30 p.m., Thursday 9 a.m.-6:30 p.m. and Saturday 8 a.m.-4:30 p.m. The BX hours of operation: Tuesday through Friday 9 a.m.-5:30 p.m., and Saturday 8 a.m.-4:30 p.m. For more information contact Christopher Floden, BX manager, at (931) 454-7153 or Patrick Jordan, Commissary manager, at (931) 454-5921.

### AAFES Dividends

Dividends generated from the Army and Air Force Exchange Service (AAFES) overall earnings are a major contributor to Services nonappropriated fund (NAF) construction and renovation projects as well as equipment purchases. Services would like to thank all AAFES customers for their support. Dividends received for February 2013 totaled \$6,039.86.

## BRIEFS from page H1

### Arnold Lakeside Center 454-3350

the A&E Building, Room C102 (just inside the loading dock door, to the left) and is open 6:30 a.m.-1:30 p.m.

**Barber Shop** is located in the A&E Building in room A107 and is open Monday, Tuesday, Thursday and Friday from 8

a.m. to 4 p.m. Haircuts are \$8 and are by appointment. Call 454-6987.



**"Make the Right Choice – Get Rewarded" Membership Drive continues through March 31**  
 During this membership

drive there will be special events and promotions for current and new members. New members that join anytime during the drive will get three months free dues plus instant win \$5-\$100 Services gift card. Promotions during the event for current and new members will be Punch Cards and Enter to Win. Punch cards will be available in Café 100 and Mulligan's Coffee Bar & Grill. Two cards are available – Combos and Coffees. Buy five combos and get

your sixth one free (up to \$6) and buy ten coffees and get your eleventh free (up to \$3). Earn punches during the drive, now through March 31, and redeem by April 30. Show your membership card (or temporary membership card for new members) and enter to win weekly drawings during the drive. Entries may be made at Arnold Lakeside Center (ALC), Café 100, Outdoor Recreation (ODR), Golf Course (to include Mulligan's Coffee Bar & Grill) or Fitness Center. En-

tries are limited to one per member per visit. Prizes to date are Lunch for Two at Mulligan's Grill (Lyndon Haston), Canoe or Kayak for the day from Outdoor Rec (Dane Barstad), Large Pizza from ALC or Café 100 (Robert Clark), \$25 Services Bucks (Ronald Early). Still to come are Dinner for two at ALC, Dinner for four at movie night, Night at Crockett Cove or Dogwood Ridge and \$50 Services Bucks. On March 16, ALC will host a St. Patrick's Day

Bash where members can enjoy dinner for free. Non-members and guests are invited but will be required to pay \$13.95 (\$4.95 for age 12 and under). This event will include a traditional Irish menu with kids' buffet or order from the Pizza menu. There will be entertainment and bar specials. The Finale event will be held March 29 in Café 100 from 10:30 a.m. to 1:30 p.m. Current and new members will get a free

See BRIEFS, page H3



**BRIEFS from page H2**

sampling of baked goods coming soon to Café 100. As always, membership is your choice, but we hope you will make the choice to become a Members First Plus member with Services. Once you do, you can begin to reap the benefits that come with membership. Show Your Card – And Save!

**Easter “Fun in the Sun” Picnic and Easter Egg Hunt** is scheduled for March 30 at the ALC. All ages are invited to attend. The event will be held on the patio from 10 a.m.-1 p.m. The egg hunt will begin at 10 a.m. for ages 2-12 with three age groups (2-5, 6-8, 9-12) and there will be four prize baskets awarded in each age group. Remember to bring your own basket for gathering eggs. The picnic lunch will be from 11 a.m.- 1 p.m. served buffet style including fried chicken, potato salad, baked beans, bag chips, cole slaw, hot dogs, mac and cheese, pecan pie, and cookies. Reservations are required by March 22 by calling 454-3350. Cost is \$9.95 for members, \$10.95 for nonmembers and \$5.95 for ages 12 and under. The Loading Dock Boys will be providing musical entertainment from 11 a.m.-12:30 p.m. and the Easter Bunny will be present from 11 a.m.-1 p.m. to visit with kids and their families.

Arnold Lakeside Center will host a bash to celebrate **St. Patrick’s Day** with the popular customs of corned beef and cabbage, green beer, music and dancing March 16. The night will kick off at 5 p.m. with green beer specials in the bar. A menu of corned beef and cabbage with vegetables, roasted potatoes, orange-glazed carrots, fresh baked bread and green shamrock cake will be served 5:30-8 p.m. A special mini buffet for kids will include cheese pizza, hot dogs, green mac and cheese and fries. Traditional and classic music will be provided by Black Velvet Band from 6-8:30 p.m. This event is also a Membership Night to reward members with one of the benefits of being a Members First Plus member – a FREE event for members, their spouse and children. Nonmembers and guests may attend for \$13.95 per person (\$4.95 for age 12 and under). The Pizza menu will also be available for those wishing for something other than the traditional Irish fare. The regular dining room and Express menus will not be available. All attending are encouraged to wear your best Irish gear. Reservations are required by March 12 by calling 454-3350.

Arnold Lakeside Center welcomes back Pretty Discoveries for a **jewelry fair** March 15 in the A&E building, Café 100, from 8 a.m. to 2 p.m. All jewelry prices are below \$20 and they also carry belts and handbags.

**First Friday Jam** will be April 5 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.

**Introductory 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.

**Last Friday Trivia Contest** will be March 29 and April 26. 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 12 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. Which ever 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.

**Fitness Center  
454-6440**

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

**Pot O’ Gold Run/Walk** will be held March 20 anytime during regular business hours (5 a.m.-7:30 p.m.). This is “on your honor” for two laps around the Fitness Center trail. The first 25 to sign up receive an event T-shirt.

The **2013 Air Force Marathon, Half Marathon and 10K** will be held Sept. 21. The Start and Finish Lines are at the National Museum of the United States Air Force, 1100 Spaatz Street, Wright-Patterson Air Force Base, Ohio. Start time is 7:25 a.m. for the Wheeled Division Race and 7:30 a.m. for the Full Marathon and 10K. The Half Marathon start time is 8:30 am. Registration is underway now with reduced rates through Apr. 1. Rates will increase Apr. 2 – Jun. 1 at which time they will increase again. Registration in 2012 was sold out by the beginning of May. Permissive TDY is authorized for Air Force active duty members under AFI 36-3003 (26 Oct 09) Military Leave Program, Section F, Paragraph 12, Table 7, Rule 30. Be sure to check with your supervisor. Air National Guard

or Reserve members must be on active duty status for permissive TDY and must be approved by the Unit Commander. Services will reimburse registration (if made before Apr. 1), lodging (on base only unless non-availability letter provided from lodging), and daily maintenance fee. Reimbursement will be issued after the event upon completion of travel voucher. For questions about Services reimbursement contact the NAF Finance Office at 454-7425. In accordance with Joint Travel Regulations, DoD guidance and AF Instructions, civilians cannot be granted permissive TDY to participate in the Air Force Marathon. For more information please contact HQ AFMC/A1SXA at (937) 257-4803 or DSN 787-4803. Complete race details and applications are available at [www.usafmarathon.com](http://www.usafmarathon.com).

**The Group Class Big 4 challenge** may be completed anytime during April. Participate in at least one of all four types of classes offered – Boot Camp, Yoga, Cycling and Interval Training – and earn an incentive prize. Be sure to use the sign in sheet for each class or check in with Joe Waters to get credit for taking the class. Group Classes

are for eligible users only.

**Group Class Schedule:**  
Boot Camp – Monday, Wednesday and Friday, 6-7 a.m.

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

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

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

**Spring Fun Run** will be held April 17 beginning at 11 a.m. on the trail behind the Fitness Center. First 25 to sign up receive t-shirt.

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

**Check us out on Facebook! Arnold AFB Services Outdoor Recreation**

**Camping Preparedness: Cooking with a Dutch Oven** will be held 10 a.m.-1 p.m. March 16 at Crockett Cove. Meet at Pavilion 2 and learn how to make an oven out of a simple cooking pan. Also learn basic techniques to clean, maintain and use the Dutch oven. During this class we will make camp fire biscuits. Cost is \$5 and the deadline to sign up is March 14.

**Camping Guests Lake Tour** is scheduled for 12-2 p.m. March 23 and April 6. 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.

**An Archery Basics Class** will be held April 6 from 9 a.m. to 12 p.m. at Outdoor Rec for ages 10 and older. Cost is \$5 and deadline to sign up is March 29. There must be at least two to take the course and no more than six. This class will teach the basics of archery to include how to hold a bow properly, how to shoot with correct technique and also learn some history. Bows, arrows and targets will be provided but you may bring your own equipment if you have it.

**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.

**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

See BRIEFS, page H4

## April Movie Schedule

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



**April 4** – “Hotel Transylvania,” rated PG (1 hr. 31 min) starring voices of Adam Sandler, Kevin James and Selena Gomez. Dracula, who operates a high-end resort away from the human world, goes into overprotective mode when a boy discovers the resort and falls for the count’s teen-aged daughter.

**April 11** – “Parental Guidance,” rated PG (1 hr. 45 min.) starring Billy Crystal, Bette Midler and Marisa Tomei. Artie and Diane agree to look after their three grandkids when their type-A helicopter parents need to leave town for work. Problems arise when the kids’ 21st-century behavior collides with Artie and Diane’s old-school methods.

**April 18** – “The Hobbit: An Unexpected Journey,” rated PG-13 (2 hr. 49 min.) starring Martin Freeman, Ian McKellen, and Richard Armitage. A younger and more reluctant Hobbit, Bilbo Baggins, sets out on an “unexpected journey” to the Lonely Mountain with a spirited group of dwarves to reclaim their stolen mountain home from a dragon named Smaug.

**April 25** – “The Guilt Trip,” rated 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.

April 4



April 11



April 18



April 25



## The Green Scene

brought to you by Services Recycling Program

### Interesting Recycling Facts



The average person generates over 4 pounds of trash every day and about 1.5 tons of solid waste per year. In 2011, Americans produced enough trash to circle the earth 24 times. Over 75% of waste is recyclable, but we only recycle about 30% of it. We generate 21.5 tons of food waste each year. If recycled, it would reduce the same greenhouse gas as taking 2 million cars off the road. Recycling 1 aluminum can save enough energy to listen to a full album on your iPod. Recycling 100 cans could light your bedroom for a week. If every American recycled just one-tenth of their newspapers we could save 25 million trees each year.

The Services insert to the High Mach is designed to inform our customers of events and specials in Services activities. All program dates, times and prices are subject to change.



Thank You from **The Green Team**  
Robbie Evans (manager), Doug Richards, Matt Gluck  
931-454-6068





## BRIEFS from page H3

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.

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

**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.

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

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#### Wingo Inn 454-3051

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**Check us out on Facebook! Arnold AFB Services Wingo Inn**

Reservations for Wingo Inn can be made 120 days in advance. Room rates start at \$53.25 per night. Please call 454-3051 for reservations.

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#### Gossick Leadership Center 454-4003

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

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#### AEDC Woman's Club 393-2552

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The AEDC Woman's Club meets the first Tuesday of each month (except summer months) 9:30 a.m. at Arnold Lakeside Center beginning with meeting, program and followed with lunch. Call or email Liz Jolliffe at 393-2552 or [jjolliffe@aol.com](mailto:jjolliffe@aol.com).

This is a private organization which is not part of the Department of Defense or any of its components and it has no governmental status.

The *Camp Adventure Program* will not be offered this summer because of funding constraints and facility limitations. We apologize for any inconvenience. If you would like a list of other options available in the local community, please call 454-3415.