



HIGH MACH

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Sequestration would impact AFMC mission

By AFMC Public Affairs

WRIGHT-PATTERSON AFB, OHIO – Air Force Materiel Command will be forced to implement spending reductions that will have substantial impact on its mission if sequestration takes effect March 1. These reductions along with other Air Force-wide cuts will ultimately harm overall Air Force operations and readiness, Air Force officials have said.

All aspects of the command's mission of science and technology, life-cycle management, test and evaluation and the sustainment of the Air Force's fleet of aircraft will be degraded if budget sequestration measures occur.

Sequestration will force the command to reduce its daily operating budget and take additional cuts to other programs such as civilian pay, aircraft maintenance, research and development, test and acquisition of new weapon systems. The impacts would not only be felt at AFMC locations, but would ripple throughout the entire Air Force since AFMC is the executive agent for many programs and systems.

AFMC officials are planning for sequestration impacts that include:

- Reduced weapon systems sustainment, resulting from funding cuts for the maintenance of aircraft and other systems.
- If directed by the Department of Defense, furlough of civilian employees of up to 22 days between April and September. This will impact the AFMC mission across the spectrum of life-cycle acquisition, management and sustainment of Air Force weapon systems.
- Reduced testing of Air Force weapons systems. Test schedules may be impacted by factors such as civilian furloughs, aircraft maintenance reductions and reduced base operating support.
- Deferment of funds to be invested in long-term research and development projects. These effects will be felt for years to come, officials said.

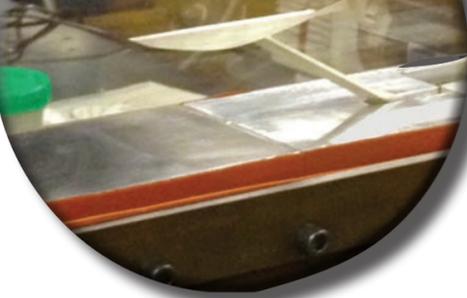
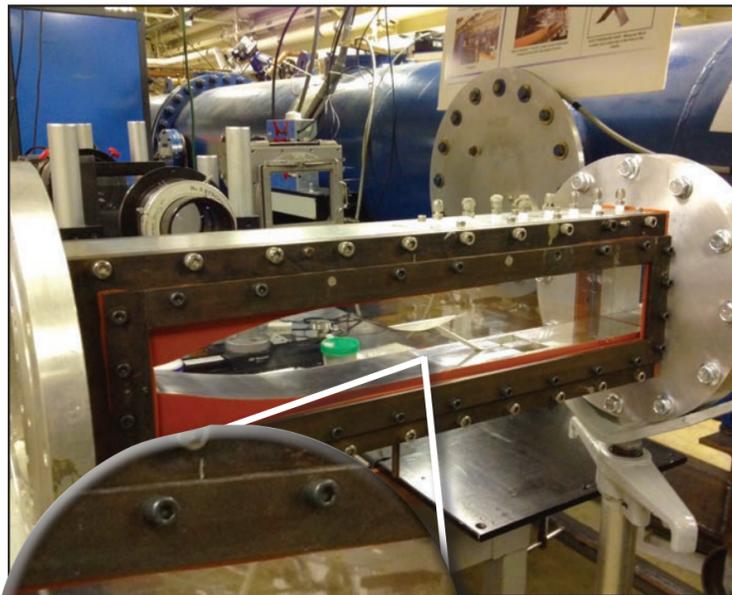
The command announced in January it would undertake several near-term actions to save money such as implementing a temporary civilian hiring freeze, release of non-mission critical term and temporary employees, cancellation of non-mission critical travel, limiting supply purchases, reducing some service contracts, and postponement of non-emergency facility sustainment.

If sequestration occurs, these near-term actions, already underway, will continue through the remainder of the year, further reducing the ability of each AFMC installation to accomplish its mission. It will also be felt by other services and federal agencies, particularly tenants on our installations. Also, customers who use various AFMC facilities for test and evaluation work would be impacted.

Art meets science in AEDC's Tunnel 9

'bird...in flight'

By Philip Lorenz III
ATA Public Affairs



Bird in Space sculpture mounted in the student's Mach 3 Tunnel prior to a test run in the AEDC Hypervelocity Wind Tunnel 9's Calibration Laboratory.

(Photo by Arnold Collier)

Student activities at the Arnold Engineering Development Complex's (AEDC) Hypervelocity Wind Tunnel 9 at White Oak near Silver Spring, Md., take various forms depending both upon the specific technological interests of the test facility's team and the abilities and interests of the particular student or faculty advisor.

"This year saw the most unusual student project take form," said Dan Marren, AEDC Hypervelocity Wind Tunnel 9's director. "During the summer, a geometry resembling an old sculpture was tested by our students."

With the test facility at record operational levels supporting the high priority Conventional Prompt Global Strike program in addition to its normal customer set, one might think that mentor and student activities might take a back seat. This was not the case.

"We just have to find that balance between national priorities and sowing the

See BIRD, page 4

AEDC to hold Black History luncheon celebrating African American heritage

By Raquel March
ATA Public Affairs

An AEDC African American Heritage luncheon (AAHL) is scheduled for Thursday, 11 a.m. at the Arnold Lakeside Center (ALC) to observe the 2013 Black history theme "The Crossroads of Freedom and Equality: The Emancipation Proclamation and the March on Washington."

This year's theme was developed by the Association for the Study of African American Life and History (ASALH) to observe two historical anniversaries – the Emancipation Proclamation of 1863 and the March on Washington in 1963.

The theme is a reflection on the events that occurred beginning with the Emancipation Proclamation, which focused on freedom from slavery, and the events that led to the March on Washington which focused on equality and jobs.

"2013 marks the 150th anniversary of the first major step this country took in establishing freedom for African Americans who were wrongfully taken from their native homeland of Africa and enslaved against their will," said Artious Walker, an AEDC acquisition project manager and AAHL committee member. "The Emancipation Proclamation was a key factor leading to the 13th Amendment being passed and the beginnings of a long and continuous struggle for equal-

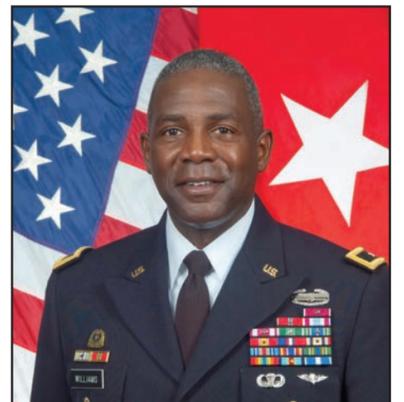
ity for a people who helped to build this great nation.

"The March of Washington marked the 100th year anniversary of the Emancipation Proclamation and served as a huge event during the American Civil Rights movement. It too had lasting effects, aiding in the Civil Rights Act as well as the Voters Right Act being passed."

ATA Information Technologist and AAHL committee member Sharon Vance also expresses the significance of the historical events.

"As we celebrate how far we have

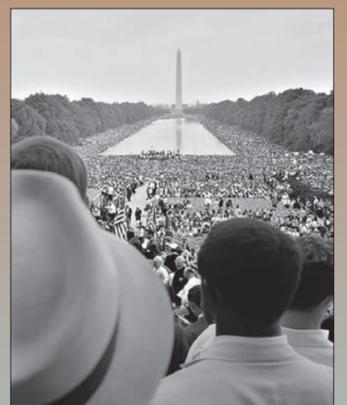
See LUNCHEON, page 3



Brig. Gen. Darrell Williams



Emancipation Proclamation Document, 1863 (Library of Congress image)



The March on Washington in 1963. (Photo by Warren K. Leffler)

Tracking small UAVs in an urban environment

By Philip Lorenz III
ATA Public Affairs

More than 30 AEDC employees attended Rob Merrill's recent Technical Excellence Seminar on his experience 'tracking small unmanned aerial vehicles (UAVs) in an urban environment.'

Merrill, an Air Force project manager with the Propulsion Wind Tunnel Complex at AEDC, spent six months of his first year with the complex on a temporary duty assignment at Wright-Patterson Air Force Base, Ohio, with the Air Force Research

Laboratory's (AFRL) 2012 Commander's Challenge.

After being contacted to consider applying for the assignment, Merrill said, "When the call first came out, I thought 'that sounds like fun' and I went home and talked to my wife about it, but she didn't really want to do it, having just bought a house and [with] a 6-month-old daughter to take care of. But then an email came from Lt. Col. [Leland] Davis (AEDC Propulsion Wind Tunnel Ground Complex director), who really encouraged me to do something like this for the same reason I

had been considering it – that it's going to be a great experience, a once in a lifetime opportunity.

"That really pushed me to go ahead and apply for it. As I left, I had the full support of the leadership here and that was greatly appreciated."

Those leading the AFRL Commander's Challenge invited Air Force Materiel Command's junior workforce to apply to participate in a 6-month design challenge

See UAVS, page 3

In This Issue....

Wattendorf commuter traffic precautions
...Page 3

Quarterly Awards and Team Awards
...Page 9-10

First CyberPatriot team in middle Tennessee
...Page 5



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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- Demonstrate the highest integrity and ethical standards
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- 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

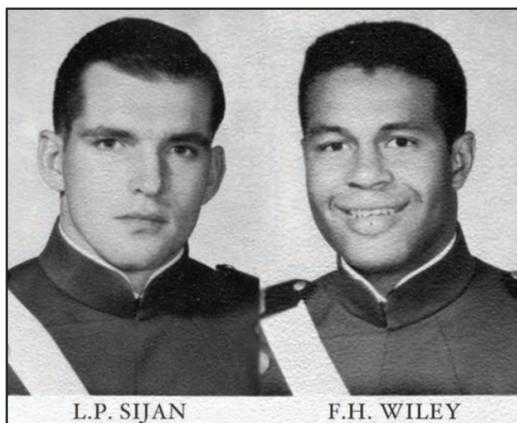
Academy grads legacy of diversity, inclusiveness

Commentary by Lt. Col Patrick Clowney
Deputy Chief, Global Diversity Division

WASHINGTON (AFNS) – From day one at the U.S. Air Force Academy, every new cadet quickly learns about Capt. Lance Peter Sijan, the only Academy graduate to win the Medal of Honor and the namesake of one of two cadet dormitories.

Cadets are encouraged to read his biography, "Into the Mouth of the Cat," which details how – after ejecting from his disabled aircraft over North Vietnam – Sijan evaded capture for more than six weeks despite severe injuries and near starvation, after which he continued to resist harsh interrogation by his captors until his death.

Academy graduates know this story by heart, as well as legends about Sijan's escapades as a cadet and an officer that establish him as an Airman worthy of emulation. His status as a role model is formalized in one of the Air Force's most prestigious awards – the Lance P. Sijan Award – which recognizes individu-



Capt. Lance P. Sijan, Medal of Honor recipient, and Fletcher Wiley were two U.S. Air Force Academy cadets and star athletes who lived diversity during a time when the civil rights movement was in its early stages. (Courtesy photos)

als who have demonstrated the highest qualities of leadership in their jobs and personal lives.

But long before Captain Sijan was awarded the Congressional Medal of Honor, he demonstrated the leadership, character, and integrity expected of all Airmen in a way relevant to those of us who may never

face the terrible ordeal of his final weeks.

In the summer of 1960, Cadet Candidate Lance Sijan and Cadet Candidate Fletcher Wiley arrived at Lackland AFB, Texas, for basic training at the Academy's Preparatory School.

"Flash" Wiley was the only African American at the prep school. On the first

day, the drill instructor told the candidates to gather together to determine room assignments. Wiley was a group of one until Sijan offered to room together. Lance later confided to Flash that he has been asked point blank by the military training instructor whether or not he had any problems rooming with a Negro.

Sijan's simple decision to see beyond Wiley's difference was a courageous move at a time when America was racially divided in spirit and truth. The Civil Rights Movement was in its infancy, and segregation permeated all aspects of American life. Law enforcement officials looked the other way when Ku Klux Klansmen and other violent extremists hung African Americans from trees in communities across the south. It was an ugly time in our nation's history.

Three years before Dr. Martin Luther King, Jr., proclaimed that Americans should not be judged by the color of their skin but by content of their character, Lance was ready to accept

Flash on his own terms. This acceptance was based in part on what the young men shared: an aspiration to be Air Force officers and their love of football and family.

Both Sijan and Wiley had been recruited to play football at the Academy, playing both offense and defense in an era when many college players were so-called "60-minute men." Lance – tall and broad-shouldered – was a line-man. Flash – smaller and faster – played in the back-field. After their introduction at the prep school, the two players roomed together on every football trip they took during their cadet careers, a testament to their enduring friendship.

Starting from their common experiences, each man took the time to learn more about the other. During a recent interview, Flash said he came to see Lance as a "warm, thinking, caring, and emotional individual who was as comfortable singing in the choir, paint-

See DIVERSITY, page 6

Opening combat positions for women essential to AF diversity

Commentary by Don Branum

U.S. Air Force Academy Public Affairs

U.S. AIR FORCE ACADEMY, Colo. (AFNS) – Defense Secretary Leon Panetta's Jan. 24 announcement he would lift restrictions on women in combat positions has stirred up quite a bit of discussion.

Anyone who wants a stronger U.S. military should welcome the lifting of combat restrictions and what that change means for readiness and diversity within the armed forces.

It's important to note a couple of key facts: First, women have been involved in combat since well before the Sept. 11, 2001, al-Qaida attacks. Second, Panetta has made clear he does not expect the services to change the physical requirements for demanding jobs such as Air Force pararescue, Navy SEALs, Army Green Berets or other special operations programs.

One name comes immediately to my mind when I think of women who have seen combat: 1st Lt. Roslyn Schulte, a 2006 Air Force Academy graduate who was killed in action while deployed to Afghanistan in May 2009.

Less recent names of note take a bit more digging, but they're not hard to find:

- Retired Col. Martha McSally, a 1988 Academy graduate who flew in support of Operations Southern Watch and Enduring Freedom;

- Lt. Col. Nicole Malachowski, a 1996 graduate who flew in support of Operations Iraqi Freedom and Enduring Freedom;



Lt. Col. Martha McSally stands with her A-10 Thunderbolt II aircraft. McSally, a 1988 Air Force Academy graduate, is the first female pilot in the Air Force to fly in combat and to serve as a squadron commander of a combat aviation squadron. (U.S. Air Force photo)

- Lt. Col. Kim Campbell, a 1997 graduate who took part in air operations over Baghdad, Iraq, in April 2003.

While the physical requirements for pilots differ from those for many special operations career fields, flying in combat carries the significant risk of being shot down and either killed or captured.

More importantly, the strategy of asymmetrical warfare popular with the Taliban and al-Qaida

doesn't recognize "combat roles" or front lines. Army Spc. Lori Piestewa, Army Spc. Shoshana Johnson and Army Pfc. Jessica Lynch were assigned to the Army Quartermaster Corps, but that didn't stop Iraqi army forces from ambushing their convoy in March 2003. Johnson and Lynch were taken prisoner and later rescued, while Piestewa was killed.

Still, Panetta's decision

See WOMEN, page 7

Consider the eraser

Commentary By Capt. David Dziolek

379th Air Expeditionary Wing Chapel

SOUTHWEST ASIA (AFNS) – Have you ever thought about the purpose of an eraser? I can hear you say, "Wow! Deep, spiritual reflection today, eh Chap?"

Seriously, why was the eraser invented? The obvious answer is to correct a mistake we have made while writing on paper. The eraser allows us to wipe away our mistake and start over. The same could be said of white-out or the backspace button on the computer. They function as a way to fix errors so we can go back to the beginning and start over, correcting where we went wrong.

I find it interesting how we so easily allow ourselves to make corrections when errors occur on paper. However, when we make a mistake in life we often are not able to move past it. We struggle with guilt and shame and we beat ourselves up. We demand so much of ourselves and when we fail or when we fall we become our own judge, jury and executioner. It almost seems like errors are expected on paper, but not in life. We make room for mistakes in writing and are able to erase and correct the error without much thought, but we do not offer that same grace to mistakes we make in living.

One of my favorite Proverbs says, "For the righteous falls seven times and rises up again," (Proverbs 24:16). I love this because it means everyone, even those we would consider "righteous," still falls. They still make mistakes. And they still need a way to go back to the beginning and start over, correcting where they went wrong. This gives me great encouragement to know when I make mistakes and fall, and I will, I can also go to God and ask Him to forgive me and to help me start over.

While it is true we should have concern when we fall, the real problem is not simply in the falling, the real problem is when we do not get back up and allow ourselves to start over.

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. Smoking near a facility in an area not designated on the map is prohibited and any smoking receptacles located in areas not shown on the map will be removed. All "smoking permitted" and "no smoking" signs will be removed unless specifically required by OSHA.

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

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

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

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

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

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

AEDC's Wattendorf Highway commuters traffic precautions

By Raquel March
ATA Public Affairs

Commuters are instructed to be cautious of unexploded ordinance (UXO) investigative field work being conducted beginning Feb. 7 and continuing for approximately three weeks along AEDC's Wattendorf Highway.

The work will take place within a 15-acre area between Hap Arnold Drive and UTSI Road intersections. A UXO team will conduct operations Wednesdays through Sundays between 6:30 a.m. – 5 p.m. to minimize the impact on traffic.

Commuters may experience some delays in traffic flow during the period of work and should slow down and use caution when approaching the area.

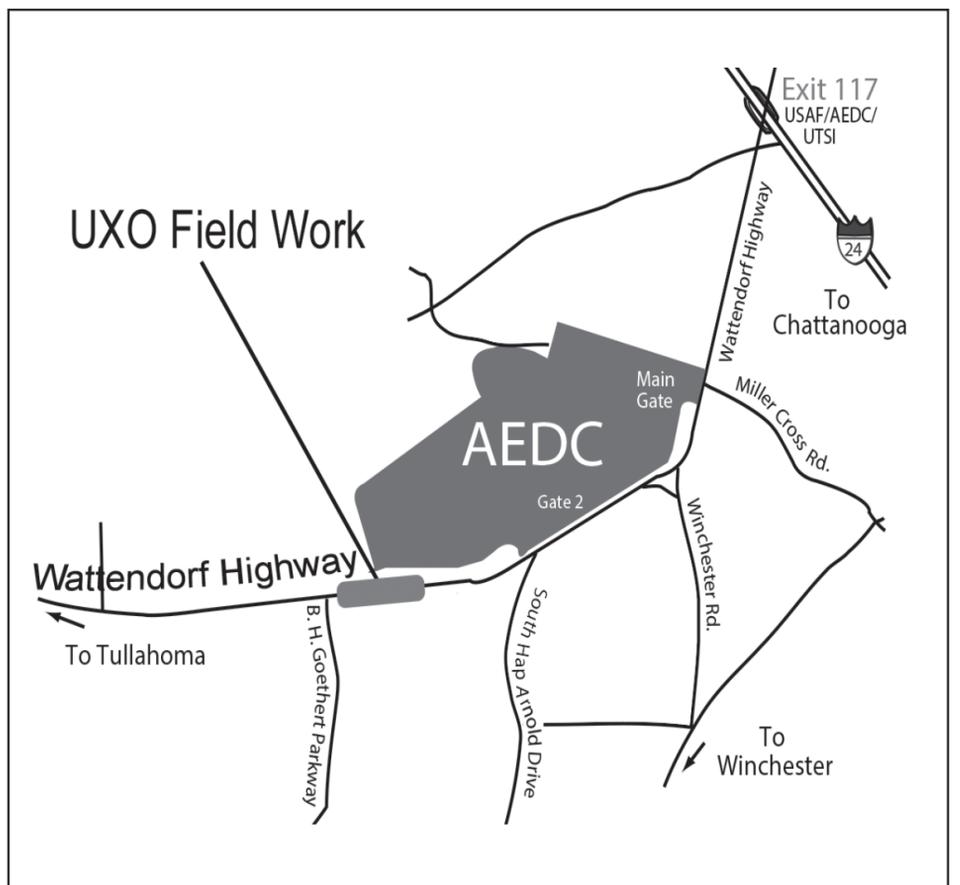
This work is part of the Air Force's Military Munitions Response Program (MMRP) continuing effort to investigate historical training ranges.

"The Air Force goal is to make historical ranges, or munitions response areas (MRA),

safe for reuse and protect human health and the environment," said Denny Timmons, AEDC's installation restoration program manager. "As part of AEDC's continuing effort under the MMRP process to investigate and remove risk posed by suspected munitions (MEC) and explosives of concern (MEC) and munitions constituents (MC) associated with past military training by the Army at Camp Forrest during WWII, the EA Engineering UXO team will be conducting an investigation to characterize the nature and extent of sub-surface MEC and MC contamination."

The UXO team will also work in additional one-acre grid areas on three Camp Forrest historical ranges; the northern artillery impact area, the old impact area south and the machine gun range. Wattendorf Highway area is on part of the old impact area south historical range.

There is no danger for commuters traveling through the investigative field area.



LUNCHEON from page 1

come as a nation, in contrast we realize how far we have to go," she said. "The voices of minority communities have an impact and we must acknowledge the importance of cultural diversity.

"At this crossroad we can't forget our past but use it as a guide to positively impact the generations that follow."

The speaker will be Brig. Gen. Darrell Williams, U.S. Army Materiel Command chief of staff at Redstone Arsenal, Ala.

Some of Williams' awards and decorations include the Defense Superior Service Medal, Legion

of Merit, Bronze Star Medal, Defense Meritorious Service Medal, Meritorious Service Medal, Army Commendation Medal and Army Achievement Medal.

The luncheon is a community event. Walker recognized that all AEDC personnel and the community are important in having a part in the event.

"This event, being hosted and supported by AEDC and the surrounding community, is huge because it allows all of us an opportunity to celebrate the many struggles and accomplishments the African American has endured," he

said. "AEDC's hosting of the African American Heritage Luncheon shows its support for this critical part of American history as well as everyone (black, brown, yellow, red or white) who serves as a part of its workforce as well as its community."

Tickets may be purchased through noon on Feb. 11 by non-Services members for \$11 and by Services members for \$10.

To purchase tickets or for more information, contact Jackey Gates, 454-4823, Fred Rone, 454-4949, Tina Bonner, 454-6804 or Sharon Vance, 454-6557.

UAVS from page 1

to detect and track small UAV's in an urban environment. Two teams competed to develop the most innovative and effective solution to the problem.

The focus of this year's Commander's Challenge was inspired by news of a foiled remote-controlled airplane attack on the Pentagon. The goal of the two teams was to develop technical solutions aimed at defeating potential threats posed by small, ultra-light aircraft technologies, both manned and radio-controlled (RC).

The design for Merrill's Wright-Patterson team, which won the competition, involved a distributed and scalable array of acoustic, visual and smart phone sensors. The team performed most programming and manufacturing activities for development. They created custom algorithms and software for acoustic sensors, smart phones and overall sensor integration. The system was demonstrated in a simulated operational environment at Twenty-nine Palms Marine Base, Calif.

Merrill explained the approach, design and demonstrated results during his presentation at AEDC. He also expressed his enthusiasm for the opportunity to do some "hands-on" engineering work.

"This [experience] was an opportunity to go and have a

look-see at what the rapid product development world looks like and also being able to get in the shop, get your hands dirty," he said. "That was one of the parts that I really enjoyed."

When Merrill opened the floor for questions, several of those attending his presentation were ready to ask about the project.

"I asked Rob something like, 'If I wanted to defeat your system, what would I do,'" said Dr. Douglas Blake, AEDC Executive Director. "I was curious to see if they had 'red teamed' their solution, at least on paper. Doing so often produces a stronger solution and yields a better understanding of the system's strengths and weaknesses."

Blake said he was not only impressed by Merrill's presentation, but also had a positive impression of what the team had accomplished during the 6-month task.

"I thought Rob and his team did an exceptional job," Blake said. "They carefully considered their operating environment and developed an innovative solution to the problem. I was especially impressed by the team's incorporation of Android-phone-based cameras into their solution, thereby potentially bringing a large number of essentially free sensors to bear on their problem. I thought that was a very creative way to scale their solution in a real-world

situation at little or no cost."

Blake added, "I'm a strong proponent of activities like the AFRL Commander's Challenge. I believe such activities not only provide invaluable experience in engineering problem solving, but they also teach you how to operate under the pressures of deadlines and limited budgets. Furthermore, they are an ideal forum in which to cultivate interpersonal skills as well as learn conflict resolution and team dynamics. I believe proficiency in all of these areas is essential to be truly successful in the engineering profession."

1st Lt. Carl Tegmeier, a junior AEDC turbine test project manager, agreed with Blake's assessment of his colleague's presentation and the Commander's Challenge program.

"I would imagine that a program like the Commander's Challenge would instill a strong sense of teamwork and competition in an Air Force junior force member," Tegmeier said. "Opportunities like this are rare in government work and can build a lot of valuable skills, not to mention it sounds like a lot of fun."

Merrill, who enjoyed the fast-paced environment of the Commander's Challenge, enjoys writing computer code and is also pursuing a new hobby, flying R.C. aircraft.

Former astronaut speaks at local National Engineers Week banquet

By Philip Lorenz III
ATA Public Affairs

This year's celebration of National Engineers Week will take place Feb. 17-23.

The National Engineers Week banquet will be held Feb. 23 at the Manchester/Coffee County Conference Center. The guest speaker will be Dr. Jan Davis, a former NASA astronaut who is currently the Jacobs Engineering Group vice president and deputy general manager at the Marshall Space Flight Center in Huntsville, Ala.

Dr. Davis' presentation for the Feb. 23 banquet is titled, "Space Shuttle and beyond – from the eyes of an astronaut and engineer."

Selected to join the astronaut corps in 1987, Dr. Davis' initial technical assignment was in the Astronaut Office Mission Development Branch, where she provided technical support for shuttle payloads. She then served as a CAPCOM in Mission Control communicating with Shuttle crews for seven missions. After her first space flight, Dr. Davis served as the Astronaut Office representative for the Remote Manipulator System (RMS), with responsibility for RMS operations, training, and payloads. After her second space flight, she served as the Chairperson of the NASA Education Working Group and as Chief for the Payloads Branch, which provided Astronaut Office support for all Shuttle and Space Station payloads. A veteran of three space flights, Dr. Davis has logged more than 673 hours in space. She flew as a mission specialist on STS-47 in 1992 and STS-60 in 1994, and was the payload commander on STS-85 in 1997.

Other local area activities will include a math competition for middle school students, a design competition and an engineer-for-a-day program for high school students. These activities are sponsored by the Tullahoma Chapter of the Tennessee Society of Professional Engineers (TSPE), the Highland Rim chapter of the American Society of Mechanical Engineers (ASME), the local Tennessee chapter of the International Test and Evaluation Association (ITEA) and the Tennessee section of the American Institute of Aeronautics and Astronautics (AIAA).



Dr. Jan Davis

National Engineers' Week kicks off with the Math Counts competition Feb. 16 at the University of Tennessee/Space Institute (UTSI), Rm. H-111 with Harry Clark, Tullahoma Chapter Math Counts coordinator and AEDC's senior manager for test facility planning, coordinating the event.

The student design competition will take place Feb. 19 at the Hands on Science Center in Tullahoma. High school students in grades 10, 11 and 12 compete on two-person teams to design, build and compete their design against other teams. They will not know what they will be asked to design until they arrive at the competition. The teams will be given kits with identical materials and will have about an hour and a half in the morning to design, build and test. After lunch, the teams will compete their designs against each other. Prizes will be awarded to the top three scoring teams. Total participation is limited to 25 teams and four per school.

The engineer-for-a-day program is also geared towards high school students, generally juniors and seniors. On Feb. 20, the students will tour AEDC, have a pizza lunch and then go with a mentor to observe engineers at work. After lunch, some students will stay at AEDC and some will go to companies in the local area.

Winners of the student design competition will be guests at the banquet as will students who take part in the engineer-for-a-day program.

For additional information on Engineers Week activities, contact AEDC's Paul Kelly, Tullahoma TSPE Chapter member and chairman for the Engineers Week activities, at (931) 454-6542 or call Harry Clark at (931) 454-4495.



Rob Merrill, a junior Air Force propulsion manager with AEDC's Propulsion Wind Tunnel Complex, listens as an AEDC employee attending Merrill's recent technical seminar presentation asks a question. (Photo by Philip Lorenz III)



Far right, Dr. Ralph Jones, branch manager of Aerospace Testing Alliance's (ATA) Technology Analysis at AEDC, asks Rob Merrill a question after the young aerospace engineer's recent technical seminar presentation on a UAV 6-month project he undertook with the 2012 Commander's Challenge. (Photo by Philip Lorenz III)

BIRD from page 1

seeds of future scientists and engineers,” Marren said.

The AEDC White Oak site found a way to challenge the students while at the same time show campus synergy at the Federal Research Center at White Oak – the property that AEDC White Oak occupies with the Food and Drug Administration (FDA).

This opportunity came about as a result of Marren’s participation with Labquest, a public private partnership formed during the 1995 Base Closure and Realignment Commission to manage the campus post Department of Defense use activities. Marren sits on the executive board of Labquest and as such frequently interacts with the FDA, local stakeholders and the General Services Administration (GSA) who manages the property on which Tunnel 9 resides.

The GSA, which builds and maintains all the structures on campus, also contracts for art projects associated with buildings they produce. By federal

law, under the GSA Art in Architecture Program, a percentage of construction costs from GSA are reserved for art in each building.

GSA finds talented artists to tour the activity, gain a sense of the mission, and create art for the building, appropriate for the employees. With a project this large – more than \$1 billion and spanning some 20 years – there is plenty of opportunity for art.

Typically it is desirable for the motivation and inspiration of the art on campus to be taken from the mission of the campus.

Four prior artists have accomplished works with inspiration coming from the Food and Drug Administration science and their art has represented that organization’s mission.

When construction began on the FDA’s building 71 – intended to house their Center for Biologics Evaluation and Research – the fifth American artist in the series, Inigo Manglano-Ovalle, toured the campus to propose an art piece that

fit the mission. By request, the artist, who specializes in science-related art, asked to see AEDC’s Hypervelocity Wind Tunnel 9.

By the end of the tour, the artist suggested creating art inspired from the wind tunnel. The thought is that such art would serve to raise awareness of the existence of the U.S. Air Force mission that shares their campus.

“At first I was skeptical that art in the wind tunnel could work, the more I thought about it however, it made a lot of sense for several reasons,” Marren said. “This opportunity would allow our students to get involved in learning about test processes and aerodynamics on a test specimen that could exist in open literature.”

Marren knew that Tunnel 9 would not be available for a single-entry non-mission related test until around February 2013. However he reasoned that an initial test of the sculpture at Mach 3 in a wind tunnel for college students

would satisfy several objectives.

“We have a very capable student wind tunnel that the students built and maintain,” he said. “They run it and it gives them an opportunity to get more directly involved and run the whole program from soup to nuts. This was a great opportunity to actually be able to grow them in a way that would challenge them, just like a test in Tunnel 9 would.”

Erin Hedlund, a rising senior in the Science, Mathematics, Computer Science Magnet Program at Montgomery Blair High School, had worked at Tunnel 9 as a summer intern in 2011.

“When I wanted to work at Wind Tunnel 9 again for the summer of 2012, Dan Marren asked me if I would be interested in working on the Bird in Space project,” she said. “The FDA’s and the artist’s objectives were to obtain Schlieren images. The artist will use these images as inspiration for the sculpture he will create for an FDA building.

“The objectives the Wind Tunnel 9 staff wanted to accomplish were to test out new technology, such as focused Schlieren methods, while uniting the FDA and Wind Tunnel 9. The Wind Tunnel 9 staff also wanted to use the project to update the wind tunnel procedures and documents.”

Hedlund also worked with Manglano-Ovalle during the project.

“I interacted with the artist during the test,” she said. “He was very interested in the scientific aspect of everything. He really wanted to understand how everything worked, and what each piece of ma-

chinery did. He was also very excited about how the Schlieren images looked during start up and shut down of the run.”

Dr. Eric C. Marineau, Lead Aerospace Technologist at AEDC White Oak - Tunnel 9, said he enjoyed working with Hedlund on the project.

“I helped Erin Hedlund with the design calculation for the Mach 3 and Mach 10 test article, mostly to estimate the aerodynamic loads,” he said. “It has been a positive and rewarding experience to help Erin and transmit my knowledge...especially since Erin was motivated and eager to learn.”

Will Vodra, Tunnel 9’s systems engineer for model and test cell support, took the role as the lead engineer for the “Bird in Flight” project.

“Due to the small size of the Mach 3 model, I designed a sting to support it and worked with the artist, Inigo, to integrate the sting into a single piece of metal being both the model and sting,” Vodra said. “I also modified our Mach 3 Test Cell to support a bottom-mounted sting with minimal impact to tunnel airflow. I documented the aero loads that Erin had computed and then I performed our standard Model Support analysis and wrote the safety package. The primary goal was for a good Schlieren image that needed to be similar to the upcoming Mach 10 view. Erin and I disassembled and reassembled the Mach 3 nozzle and test cell to build up for this test. As project lead, I worked with the optics engineer to prepare the test and with Erin to operate the Mach 3 tunnel and conduct the test.”

Vodra said the unorthodox project was an unexpected learning experience for him and his colleagues at Tunnel 9.

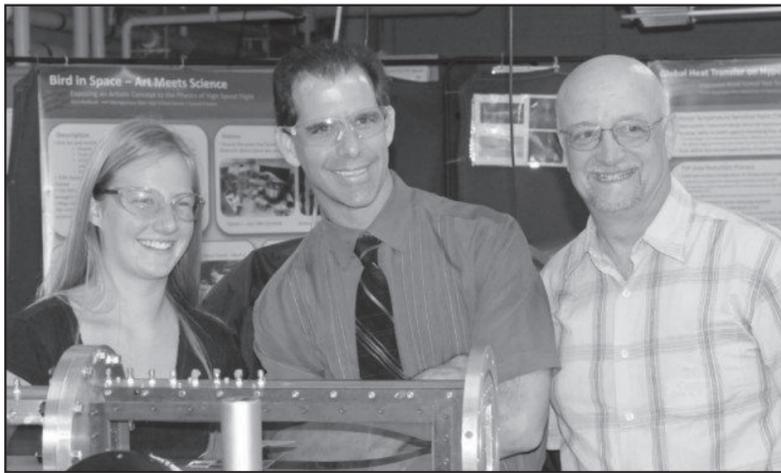
“The Bird in Space was sculpted in the 1920’s – and has unexpectedly good aerodynamic efficiency at hypersonic speeds, a goal not achieved by engineering for decades,” Vodra said. “That was a big surprise for us; we had not thought much about the likelihood that a sculpture at these speeds even would work, much less be efficient.

“We continually became more interested in the design as we reviewed it in preparation of the run. Since we also use our Mach 3 Test Cell for development of new optical methods, we would like to use the Bird in Space again due to its interesting shockwaves and other characteristics. When we test at Mach 10, we will continue our development of another new optical technique, Background Oriented Schlieren.”

For Marren, the project had brought him back in touch with the high school students’ father, Eric Hedlund, who had been Tunnel 9’s technical director years ago and who, along with others there, had played a role in mentoring Marren.

“When I arrived at Tunnel 9 in 1984 as a student, Dr. Eric Hedlund helped mentor me to become a test engineer,” Marren said. “Now, almost 30 years later I get to mentor Erin in much the same way. You can say Eric ‘paid it forward’ and I’m paying it back.”

Erin is looking forward to the Mach 10 testing of the sculpture at Tunnel 9 this month.



From left, Erin Hedlund, Montgomery Blair High School rising senior, Dan Marren, AEDC Tunnel 9 director and Erin’s father Dr. Eric Hedlund (AEGIS Ballistic Missile Defense Test Director), pose for an informal portrait with the Bird in Space sculpture mounted in the students’ Mach 3 Tunnel in Tunnel 9’s Calibration Laboratory. (Photo by Arnold Collier)

First CyberPatriot team in middle Tennessee recognized

By Philip Lorenz III
ATA Public Affairs

AEDC Commander, Col. Raymond Toth, recently presented Science, Technology, Engineering, and Mathematics (STEM) coins to the Central Coffee County High School (CCCHS) Air Force JROTC cadets for being the first CyberPatriot team in middle Tennessee.

Arnold AFB's STEM program has supported the high school by providing three loaner laptops for the CyberPatriot team to learn and compete in state and nationally organized programs, to inspire high school students toward careers in cyber security or other STEM disciplines critical to our nation's future. The CyberPatriot program provides training "target images" of Operating Systems (OS) configurations for cadets to practice

fixing vulnerabilities.

"The cadets have learned how to properly secure several types of [computer] operating system vulnerabilities by the use of various tools, from creating strong password authentication of user accounts to understanding OS services and effectively using system event viewers to determine how to fix and correct provided target images that are misconfigured," said Michael Glennon, AEDC's technical director of engineering and technical management. "Each system's vulnerability corrected by the cadets is scored and recorded as students compete against other cadets within the state and nationwide."

The cadets have taken part in their first competition and are looking forward to doing so again in the future.

"The goal of the pro-

gram is to make learning fun, and promote Science, Technology, Engineering, and Mathematics interest in our local high schools," said Jere Matty, AEDC's Science, Technology, Engineering and Mathematics (STEM) educational outreach specialist. "Arnold AFB supports the CyberPatriot program by providing two mentors to CCCHS, Michael Glennon and Cameron Liner, an Air Force data acquisition and instrumentation engineer with AEDC's Test and Base Communications Branch and CyberPatriot mentor, as well as laptops from our STEM Lending Library."

Lt. Col. Philip Bailey, CCCHS Air Force Junior Reserve Officer Training Senior Aerospace Science Instructor (AFJROTC SASI), said, "The cadets and I are really grateful for the CyberPatriot [program]



From left, Central Coffee County High School Air Force Junior Reserve Officer Training Corps cadets Sam West, Dawson Carlton and Steve Messick use laptops provided by Arnold AFB's STEM program to train for an upcoming CyberPatriot V competition. (Photo provided)

support from AEDC. We would not be able to participate in the program without them."

CyberPatriot V was established by the Air Force

Association. The Northrop Grumman Foundation is the sponsor for the 5th phase of the program, CyberPatriot V. The organizations founding partners are the Science

Applications International Corporation (SAIC) and the Center for Infrastructure Assurance & Security (CIAS) at the University of Texas-San Antonio.

Review personnel records, accomplish transactions before MilPDS upgrade

By Tech. Sgt. Steve Grever
AF Personnel Center Public Affairs

JOINT BASE SAN ANTONIO - RANDOLPH, Texas (AFNS) – Department of Defense and Air Force officials are encouraging Airmen to review their personal data in the Defense Enrollment Eligibility Reporting System and accomplish personnel transactions before the service upgrades the Military Personnel Data System in March.

Personnel actions accomplished using MilPDS like reenlistments, enlistment extensions, promotions, unit transfers, discharges and retirements should be completed before the MilPDS upgrade in March to avoid processing delays with military pay and benefits eligibility issues. Airmen are encouraged to access the milConnect website at <http://milconnect.dmdc.mil> to review their personnel information prior to March. Airmen can use milConnect to check personnel information listed in DEERS as well as view their TRICARE coverage, Post 9/11 GI Bill education benefits, life insurance coverage, and other benefits.

"MilConnect is an excellent tool available 24/7 for Airmen to review and update certain DEERS data at any time," said Mary Dixon, Defense Manpower

Data Center director. "milConnect will be particularly valuable to assist Airmen in ensuring their records are up-to-date if changes occur during the shutdown period."

DMDC receives more than 1 million transactions each year from the Air Force and about 66,000 represent new enlistments in the Air Force, Air Force Reserve, or Air National Guard. Information sent to DMDC also determines TRICARE eligibility for almost 1 million sponsors and family members and plays a critical role in medical, dental, and pharmacy claims processing. Data sent to DMDC and DEERS supports the transfer of Post 9/11 GI Bill benefits for more than 87,000 active-duty, Guard and Reserve Airmen.

The upgrade project is scheduled to take about 23 days to complete while the Air Force Personnel Operations Agency here upgrades and transfers MilPDS to the Defense Information Systems Agency's Defense Enterprise Computing Center. During this time, MilPDS will not be available.

MilPDS is the records database for personnel data and actions that occur throughout every total force Airman's career. MilPDS is also used to

initiate Airmen's pay actions, maintain Air Force accountability and strength data. MilPDS also supports a host of interactions with other active-duty, Air Force Reserve and Air National Guard systems and processes that rely on this personnel data.

Air Force Reserve and Air National Guard members are not required to take any immediate actions unless they are notified by their military personnel section. MPS will receive specific instructions for active-duty, Air National Guard and Reserve on unique personnel and pay processes related to accessions, unit training assemblies and participation, mobilizations and activations and casualties. Other personnel and pay processes will be held during the cutover period and processed once the upgrade is complete. Servicing MPS will notify their affected members as soon as possible of any required personnel follow-up actions.

Air Force officials will continue to release additional information and guidance to the Air Force's manpower, personnel, services and pay communities and total force Airmen to continue to educate them on how the service will perform critical personnel and pay tasks during the MilPDS upgrade.

Dr. Belle Wheelan to speak at UT Space Institute's Black History celebration

UNIVERSITY OF TENNESSEE SPACE INSTITUTE - Dr. Belle Wheelan will be the featured speaker at The University of Tennessee Space Institute's "Black History" celebration to be held at 10 a.m. on February 27, 2013.

Wheelan's career spans over 30 years and includes roles of faculty member, chief student services officer, campus provost, college president, and the Commonwealth of Virginia Secretary of Education. She is the first African American and first woman to serve as the President of the Southern Association of Colleges and Schools Commission on Colleges and to serve as the president of a two- or four-year public institution of higher education in the Commonwealth of Virginia.

"I had an opportunity to hear Dr. Wheelan speak last year at the Women in Higher Education in Tennessee annual conference. After hearing her and meeting her, I knew

that she would be a great choice as a speaker for our annual event. She is such a woman of excellence," commented Patricia A. Burks-Jelks, Director of Human Resources, Equity and Diversity at UTISI.

Named one of the Top 100 Most Powerful Women in Washington, DC, by the Washingtonian Magazine, Wheelan has received numerous awards and recognition, including four honorary degrees.

Influential, she holds and has held memberships in numerous local, state and national organizations, to include; Rotary International; Alpha Kappa Alpha Sorority, Inc.; the board of directors for - American College Testing, Inc., American Association Community College's, Lumina Foundation for Education; and the President's Round Table of the National Council on Black American Affairs and the Government Affairs Committee of the American Council of Education.



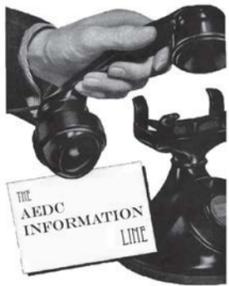
Dr. Belle Wheelan

Wheelan received a bachelor of arts degree from Trinity University with a double major in psychology and sociology. She later enrolled in Louisiana State University and received a master of arts degree in developmental/educational psychology. In 1984, Dr. Wheelan earned a doctoral degree in educational administration from the University of Texas.

The Black History celebration will be held in UTISI's auditorium, and is free and open to the public. A reception will follow in the Institute's lobby.

454-3600

The AEDC Information Line is available for ATA employees to get the latest information on a wide variety of emergency circumstances that could impact base operations or driving conditions.



DIVERSITY from page 2

ing pictures and sculpting as he was trouncing football opponents."

Flash also recalled a story of how he and Lance would wake an hour before sunrise to clean their rooms, prepare their uniforms, and prepare for the day. They were intent on being the best. He stated that one morning, scrubbing their floor with toothbrushes and wearing their skivvies, the room roared with laughter and amusement. They were amazed, amused, and inspired about their commitment to make it. Neither could believe their effort, energy, and enthusiasm, but both young men respected and admired the other.

Their friendship grew into a wider relationship between their families, starting in their Academy Preparatory School years and continuing to this day. Wiley said that when he met Sijan's family, he really understood the man. "They greatly exuded the

brilliance of character," he said. "Through them, I came to understand that Lance's exemplary character was part of a greater whole."

Bill Bradley, a former Rhodes Scholar, professional basketball player, and U.S. Senator, reflected on the ability of teamwork to foster respect and friendship as it did between Sijan and Wiley. "You can't play on a team with African Americans for very long and fail to recognize the stupidity of our national obsession with race," Bradley said. "The right path is really very simple: Give respect to teammates of a different race, treat them fairly, disagree with them honestly, enjoy their friendship, explore your common humanity, share your thoughts about one another candidly, work together for a common goal, help one another achieve it. No ridiculous fears. No debilitating anger."

Even more important

than the bond of friendship and teamwork between Lance and Flash, was the long-lasting positive outcomes of their relationship. Sijan's color blindness led to wider acceptance of Wiley at the prep school, culminating in his selection as barracks chief – the number one spot for a cadet candidate.

While alienation from the cadet corps could have sidetracked Wiley easily, his early successes helped him go on to become a Fulbright Scholar, a graduate of Harvard University Law School and the John Fitzgerald Kennedy School of Government, and a successful career as a corporate lawyer and businessman. He now pays back the benefits he received from his service as a member of the Air Force Academy Board of Visitors.

As for Sijan, one can only imagine what sustained him when he was pressed under torture to break faith with his com-

rades, but his strong personal relationship with Wiley and his other Academy brethren was certainly part of the equation.

This year's theme for African American History Month is "At the Crossroads of Freedom and Equality: The Emancipation Proclamation and the March on Washington." While the history of civil rights was shaped by these two historic events, it was shaped by many smaller ones too.

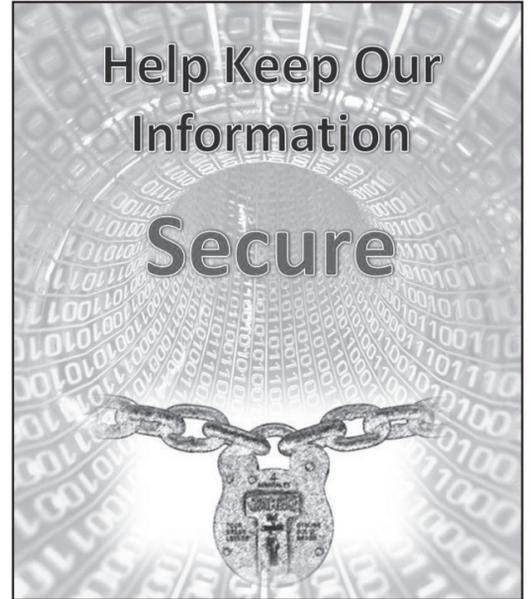
Lance and Flash discovered the magical formula of human connection at an early stage in their lives and in an era when it took great courage to do so. The step they took to cross toward freedom and equality through friendship was not spectacular, but it could not have happened without the experiences, expectations, character, integrity and respect for others that they both shared.

Chief of Staff of the Air Force, General Mark

A. Welsh, often reminds Airmen to learn other Airmen's stories. Lance and Flash learned each other's stories, embodied each other's stories, and shared each other's stories. Their bond was a deeper shade of Air Force blue.

When it comes to diversity and inclusion, the Air Force needs more

Lance Sijans and Flash Wileys. Leaders who chart new courses; leaders who lead change; leaders who are fearless; leaders who embrace strength of character. The constants of their character – boldness, leadership, capacity, tenacity, openness, courage – set an example and standard for us all to follow.



Reservist's wife battles MS with mixed martial arts

By Master Sgt. Veronica Aceveda
512th Airlift Wing Public Affairs

DOVER AIR FORCE BASE, Del. (AFNS) – Dawn Fiore has been studying martial arts for 17 years, but it was only last year she went public about her toughest opponent – multiple sclerosis.

The wife of Maj. Christian Fiore, a Reserve C-17 Globemaster III pilot assigned to the 326th Airlift Squadron here, was diagnosed with MS in 2005 and can still remember what she was doing when she felt her first symptom at age 34.

"I got up from my desk one day, about to go to lunch with some friends," she said. "And, I had this horrifying experience of

vertigo; everything was spinning around me, to the point where I was holding on to a wall."

She said that feeling continued through lunch. Six weeks later, the mother of three had to take a leave of absence from work, because the vertigo continued to worsen.

After a year of research, tests and mistreatments, Fiore received a spinal tap, which revealed some of the indicators for multiple sclerosis, a degenerative disease of the central nervous system. MS can cause mild to severe neural and muscular impairments.

"(The doctor) saw le-

sions in my brainstem, and he told me I needed to take a daily injection of MS medication," she said. "I didn't believe or accept the diagnosis until I had three reputable neurologists confirm its accuracy."

That affirmation came in 2005 after a trip to Maryland, where she saw the head of the MS Center for the Johns Hopkins Health System.

"I was horrified at first," she said. "But, I quickly learned the shots weren't as bad as I thought. I'll have to take them for the rest of my life."

She said her immediate family was in disbelief.

"My mother and brothers were terrified and very worried for me," she said.

"I think they were thinking of the worst-case scenario. I actually found myself consoling them."

Her husband of 16 years said his initial reaction was fear of the unknown.

"We didn't know where this would lead us or how it would affect our lives," Christian said. "But, then we began the learning process."

His wife, who is a first-degree black belt, said she realized that the disease is not a death sentence. She maintains the highest degree of competency in taekwondo, a martial art which combines combat and self-defense techniques. She also holds a yellow belt in Haidong Gumdo, also known as Korean sword fighting.

Currently, she's a student of Brazilian Jiu Jitsu, Judo and Mixed Martial Arts at a school in Newark, Del., where she trains under Jeff Mitchell, a first generation black belt of Robson Moura, who Dawn said is considered one of the greatest Brazilian Jiu Jitsu masters of all time.

She said she acknowledges how far she's come from watching her 7-year-old son participate in a six-week trial membership taekwondo class, which is what moved her to enroll herself.

"I was also painfully shy growing up," Fiore added. "The idea of being able to fight with competency and confidence really prompted my passion for learning

how to fight."

Last year during an interview by a retailer known for promoting female fighters, Fiore credited practicing martial arts for her multiple sclerosis' lack of progression. Aside from her immediate family and friends, it was the first time she spoke publicly about the disease she has been battling for eight years.

"Accepting the invitation to do the interview and telling the world was a huge step for me," the MMA practitioner said. "People were shocked, especially in my MMA and Brazilian Jiu Jitsu classes. It's hard to believe that I often fight with guys younger than my oldest son; other students in my class had no idea."

WOMEN from page 2

isn't without controversy. On the Air Force's official website, "Brandon" from Miami writes, in part, "Men are naturally hardwired to protect women even if it is with our lives." Notwithstanding the fact that service members are trained to protect any of their fellow brothers or sisters in uniform, I've yet to see any scientific evidence to corroborate Brandon's assumption.

The decision could also help solve a long-term problem: the lack of diversity within the Pentagon's top ranks. According to a 2009 Defense Manpower Data Center statistics, fewer than 10 percent of general officers across the services are women, even though women made up 16 percent of the active-duty officer corps.

It took nearly 65 years from the day Esther Blake joined the Air Force until Gen. Janet Wolfenbarger (a 1980 Academy graduate) became the Air Force's first four-star general. A big stumbling block has traditionally been a lack of combat ex-

perience, but you can't get combat experience if you're not allowed to serve -- and lead -- in combat roles.

That wasn't fair to women, so Panetta fixed it.

As James Hill of Columbia, Tenn., wrote on the Air Force website, "As a 32-year veteran, all I have to say is, go for it. In my 79 years of life, I have learned that women can be tough as nails. I saw my son ... make a pararescue man, and I know his daughter is as tough as he is."

People are going to worry about unit cohesion anytime something happens to change a unit's composition. It was true for racial desegregation in 1948; it was true when Don't Ask, Don't Tell was repealed in 2011, and it's true now. People even get nervous about new unit commanders or permanent changes of station. It's easier to make up reasons for change-related anxiety than it is to admit you don't know what might happen. But if past experience is any indication, the armed forces will be just fine.

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African-American History Month focuses on achievements

By Terri Moon Cronk

American Forces Press Service

WASHINGTON (AFNS) – African-Americans have made and continue to make major contributions to the nation's defense, the director of the Defense Department's office of diversity management and equal opportunity said in a recent interview.

As National African-American History Month commences today, this year's theme – "At the Crossroads of Freedom and Equality: The Emancipation Proclamation and the March on Washington" – is important for two reasons, Clarence A. Johnson told the Pentagon Channel and American Forces Press Service.

"The Emancipation Proclamation is 150 years old, and the March on Washington is 50 years old," he said. "The Emancipation Proclamation freed the slaves, but it also enhanced America's freedom."

Because 1963's March

on Washington precipitated the Civil Rights Act, DOD components worldwide will celebrate with those events in mind because of their contributions to diversity and freedom, Johnson said.

National African-American History Month gives people an opportunity to recognize African-Americans who have contributed to the nation's defense, and that recognition is important, he said.

"It gives us the time to appreciate the strides we've made," he added. "I think we pride ourselves in ... [making] sure all our individuals are treated with equality, dignity and respect."

As the military services observe National African-American History Month, Johnson said, there are two things to keep in mind: service and commitment. Greatness is achieved by serving others, he said, while commitment to diversity is critical to the na-

tion and to DOD. African-Americans have long since left their mark on defending the nation since the Revolutionary War, he added.

In the American Revolution, Johnson said, 51 African-Americans served, and in the Civil War, 180,000 served. Some 35,000 Afri-

can-Americans died in the Civil War, he added.

"African-Americans continue to serve and distinguish themselves in

war and peacetime," said Johnson, adding that 90 African-Americans have

See HISTORY, page 11



(U.S. Air Force graphic/Patrick Harris)

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Please recycle
this paper after
reading!*

AEDC quarterly award winners announced



1st Lt. Carl Tegtmeier
Company Grade Officer

Tegtmeier was recognized for outstanding program management and leadership during the Turbine Engine Dry Air Capability return to service and turbine engine testing.



Tech. Sgt. Michael Hurley Jr.
Non-commissioned Officer-in-Charge

Hurley was recognized for exceptional leadership and management of command operations and evaluation of contractor controllers.



Senior Airman Eric Ball
Airman

Ball was recognized for excellent management of financial accounts, customer service, project coordination and outstanding financial report analysis.



William Mallory
Civilian of the Quarter
Scientist/Engineer

Mallory is recognized for his outstanding leadership in 53 projects and work conducted in the Small Business Innovation Research division.



Steven Faini
Civilian of the Quarter
Administrative

Faini is recognized for his unparalleled performance as chief facility technician of the Hypervelocity Wind Tunnel 9.



Alveda Gaines
Civilian of the Quarter
Clerical/Technical Support

Gaines is recognized for her professional performance and excellent management of accounting transactions for the Services Office.



Patricia Wilder
Employee of the Quarter
Category I

Walker, a cook at the Arnold Lakeside Center (ALC), was recognized for outstanding contributions and time devoted to the ALC mission.



Preston Martin
Employee of the Quarter
Category II

Martin, a Services marketing employee, was recognized for significant contributions to bringing donations, sponsorship and advertising to the Services Office.

Northcott wins People's Choice Award

Thomas Northcott, an ATA electrical systems section manager in the Mission Support Department, was selected for the William M. Dunne People's Choice Award.

He was recognized for his exceptional technical leadership and guidance in the electrical utility systems.

Northcott spearheaded strategic efforts to develop a means of accurately communicating the condition of the medium and high voltage distribution system and what is required to maintain its availability and reliability.



Northcott

As a result, his efforts led the way for an Arc Flash program and ensured that AEDC's test cells and plants are currently at 100 percent ready to run status.

The Arc Flash program provides education to the workforce concerning arc flash hazards and protection methods and requirements.

ATA quarterly award winners

Team Member of the Quarter

The ATA Team Member of the Quarter is Joel Shaver.

Shaver, a systems engineer in the Project and Design Engineering Department, was recognized for providing cost-effective approaches and improvements to systems engineering issues in testing and operations. He also provided valuable process improvements in engineering design references and guidance documents.

He demonstrated excellence in taking on new challenges and communicating well with customers and co-workers.

Shaver coordinated Cost Management Affordability training material for management.



Shaver

Craft Team Member of the Quarter

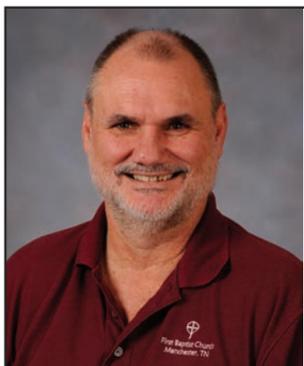
The ATA Craft Team Member of the Quarter is Glenn Thomas.

Thomas, a boilermaker journeyman in the Test Assets and Support Department, was recognized for his excellence in leadership and safety focus. He is also recognized for his sense of the customer's needs. His encouragement and guidance, which he sets as an example for his crew, is commendable.

Thomas is cited for working on jobs that have risks and taking his responsibilities seriously to manage those risks well. He ensures his crew has the information and material needed to do their jobs safely and efficiently.



Thomas



Greg Holcomb
Team Member
Information Technology & Systems

Holcomb was recognized for his outstanding service as a technical authority regarding calibration methods for flight systems and instrumentation management.



Russ Parker
Team Member
Performance Management

Parker was recognized for excellence in performing additional duties while continuing to perform his normal purchasing duties during management transitions.



Andy Moore
Team Member
Integrated Test and Evaluation

Moore was recognized for excellence and quick delivery of customer goals and objectives for a test in AEDC's Propulsion Wind Tunnel 16-foot transonic wind tunnel.



Lisa Wadell
Team Member
Test Assets and Support

Waddell was recognized for excellent management of the von Kármán Gas Dynamic Facility modernization project demonstrating managing vision and purpose.



Peggy Glass
Team Member
Test Assets and Support

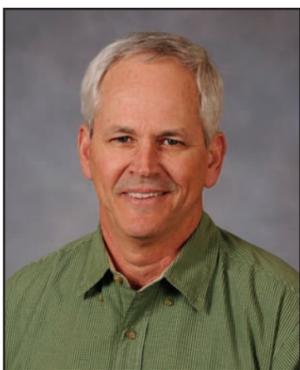
Glass was recognized for excellence in managing funding for projects and demonstrating to the customer commitment to continuous improvement.

ATA quarterly award winners



Gerald Glasner
Craft Team Member
Mission Support

Glasner was recognized for his excellence in planning and organization and accuracy in reports, blotters and citations used to maintain crime analysis databases.



Kerry Abbott
Craft Team Member
Mission Support

Abbott was recognized for outstanding work on the raw water upgrade project in the Engine Test Facility which was completed ahead of schedule and under budget.



Wesley Porter
Craft Team Member
Integrated Test and Evaluation

Porter was recognized for outstanding customer support, problem solving and attention to safe work practices.



Rick Hoots
Customer Service - External
Mission Support

Hoots was recognized for excellence in providing his knowledge of security and emergency classifications and implementing training.



Dan Lewis
Customer Service - External
Integrated Test and Evaluation

Lewis was recognized for excellence in customer test management at Tunnel 9 and the von Kármán Gas Dynamics Facility.



Keith Sweeney
Craft Team Member
Mission Support

Sweeney was recognized for his excellent work ethic in assisting customers in obtaining products needed for their job and for cost savings.



*Great
Work
Team
AEDC!*

AEDC General Lee Gossick Team Excellence Award winner

The Space Threat Assessment Testbed (STAT) Combined Test Force (CTF) activation team was selected for the General Lee Gossick Team Excellence Award.

The team was awarded for their unsurpassed initiative, cooperation, mission success and customer support during the activation of the STAT.

Team members include:

Dr. Jim Nichols (test lead), Test Operations Division (TST); Tracey Akpan, Test Systems Sustainment Division (TSS); Capt. Nick Bauer, Space and Missile Test (TSTS); Lance Baxter, TSTS; Capt. Allyson Benko, TSTS; Jim

Burns, TSTS; Ricky Bush, ATA; Danny Crews, ATA; Dustin Crider, ATA; Jennifer Daugherty, TSS; Tony Echols, TST; Alex Freehardt, TSTS; Lt. Cmdr. Jessica Herman, Analysis and Evaluation Branch (TSTA); Keith Holt, ATA; Mike Keatron, Test Systems Acquisition Branch (TSSA); Rich-

ard Kirkpatrick, TSTS; Dr. Jesse Labello, TSTA; Lt. Col. Gregg Leisman, TSTS; Bob Lindeman, ATA; Carrie McInturff, ATA; John Prebola, ATA; Mike Scott, ATA; Chris Smith, TSTS; Marc Smotherman, ATA; Nikki Tracey, TSS; 2nd Lt. Akshay Tripathi, TSTS; and Harold Turrentine, ATA.



(Photo provided)

AEDC Technical Achievement Award winner

The B61 nuclear weapon Modeling and Simulation (B61 M&S) Team was presented with the AEDC Technical Achievement Award.

The team was awarded

for innovation and outstanding use of complex resources in developing and demonstrating a ballistic simulation methodology for the B61-12 Life

Extension Program.

Team members include: Brian Binkley (team lead), Analysis and Evaluation Branch (TSTA); Scott Keen (team lead), ATA; Mou-

fid Aboulmouna, ATA; Jim Masters, ATA; Chuck Morgret, ATA; Cindy Prebola, ATA; Clark Lawrence, ATA; and Mark E. Smith, Dynetics.



(Photo provided)

Milestones



Boswell



Ingle

40 YEARS
Steve Pearson, ATA
Bob Boswell, ATA
Donnie Ingle, ATA

30 YEARS
Danny Patterson, ATA
James Morton, ATA
Kathryn Saine, ATA
Michael Hathorn, ATA
Joseph Capps, ATA
Charles Hurst Jr., ATA

25 YEARS
Letha McEntee, ATA

15 YEARS
Charles McCoy, ATA
Michael Mashburn, ATA
Richard Crouch, ATA

10 YEARS
Carrie McInturff, ATA
Frank Zimmerman, ATA
Stephen Carter, ATA
Daniel Lynch, ATA
James Mitchell Jr., ATA
Jason Waller, ATA
Geneva Hurley, AF
Tracy Carter, AF
John Laviolette, AF

5 YEARS
Kirk Butler, ATA
Dereck Hammock, ATA
Bryan Webb, ATA
Stuart Hanson, ATA
Bryan Larson, AF
Melissa O'Neal, AF

RETIREMENTS
James Stewart, ATA
Donald Gardner, ATA
Dowe Jones, AF

NEW HIRES
Sarah Cole, AF
Richard Schleicher, AF
David Wilhite, AF
Douglas Stefanski, AF
Michael Money Jr., ATA
Chevis Vaughn, ATA



Pearson

William Hill, ATA
Ryan Williams, ATA
David Dawkins, ATA
Brandon Johnson, ATA
Carla King, ATA
Hannah Jones, ATA
Brian Hall, ATA
Adam Cutshaw, ATA

PROMOTIONS
Gregory Sterling, ATA
Daryl VanCise, ATA
Michael Harvey, ATA
Ronald Skipworth, ATA
Stephen Sliger, ATA
John Garner, AF
Preston Martin, AF
Meghan Tegtmeier, AF
Carl Tegtmeier, promoted to first lieutenant

GRADUATE/DEGREES
Joo Reynolds, MS Industrial Engineering
Hunter Beavers, MS Civil Engineering
Jason Jeter, MS Industrial Engineering
Shelby Moorman, Electrical Engineering

AWARDS
Charles Starnes, ATA
Fred Zimmerman Jr., ATA
Donald McPherson, ATA
Wendall Duncan, ATA
Carson McAfee, ATA
Larry Roberts, ATA

HISTORY from page 8

received the Medal of Honor. And African-Americans continue to be well represented in DOD, he added.

"Almost 18 percent of our enlisted corps is African-American," he said. "More than 9 percent of officers are African-American. In our civilian workforce, African-Americans (make up) about 15 percent."

Since President Harry S. Truman signed an executive order in 1948 to desegregate the services, DOD has made significant achievements, Johnson said.

"We have led the nation in maintaining and achieving an integrated workforce," he said. "We've

made great strides in making sure we select folks with the highest potential (and) talent to serve, and we continue to find that programs and policies DOD put in place helped us maintain our equal opportunity program to make sure that (people) achieve their maximum (capabilities)."

Defense Secretary Leon E. Panetta has said that diversity is a force of the military's strength and a key to maintaining readiness, Johnson said.

"So as we celebrate and commemorate diversity," he added, "we are celebrating the contributions of all men and women who have contributed to the DOD mission."

On-the-go app makes it easier to 'be ready'

By John Burt
AFCEC Public Affairs

TYNDALL AIR FORCE BASE, Fla. (AFNS) – Whether it's an active shooter or natural disaster, when emergencies occur, it's important to be prepared.

Now, thanks to Air Force Emergency Management, there's an app for that!

The Air Force Civil Engineer Center's Emergency Management Division here has developed an Air Force "Be Ready" mobile app, or application, for use on Android devices. The app was designed as an on-the-go source for emergency hazard information and preparation guides and is the latest resource available through AFEM's Be Ready Awareness Campaign.

"The Be Ready app provides information about what to do before, during and after specific threats," said Rob Genova, AFCEC emergency management education and training specialist. "It's a complement to our printed Air Force Emergency Preparedness Guide."

Having worked through hurricanes, tornadoes and other emergencies, Jay Granberg, a news photographer at WMBB-TV in Panama City, Fla., said he's impressed with the app.

"It's simple, easy to use,



The Air Force "Be Ready" mobile app for use on Android devices. The app was designed to be an on-the-go source for emergency hazard information as part of Air Force Emergency Management's Be Ready Awareness Campaign. (U.S. Air Force photo/ Eddie Green)

not cluttered like other apps I've seen. There's a lot of information and it moves smoothly from section to section. It will be a great resource, not only for my family, but for those times when I am covering disasters that affect the community," Granberg said.

The app offers emergency education and awareness information, and gives users practical tools to better prepare for disasters.

"It has a family evacuation plan that you can tailor to your needs," said Genova. "It's pre-loaded with emergency numbers and sites like the Federal Emergency

Management Agency and Red Cross. You can also add your own emergency contacts and local agencies.

"We encourage everyone to have an emergency supply kit," Genova added, "and the app provides a checklist for items you may need which you can modify to match your particular region or threat."

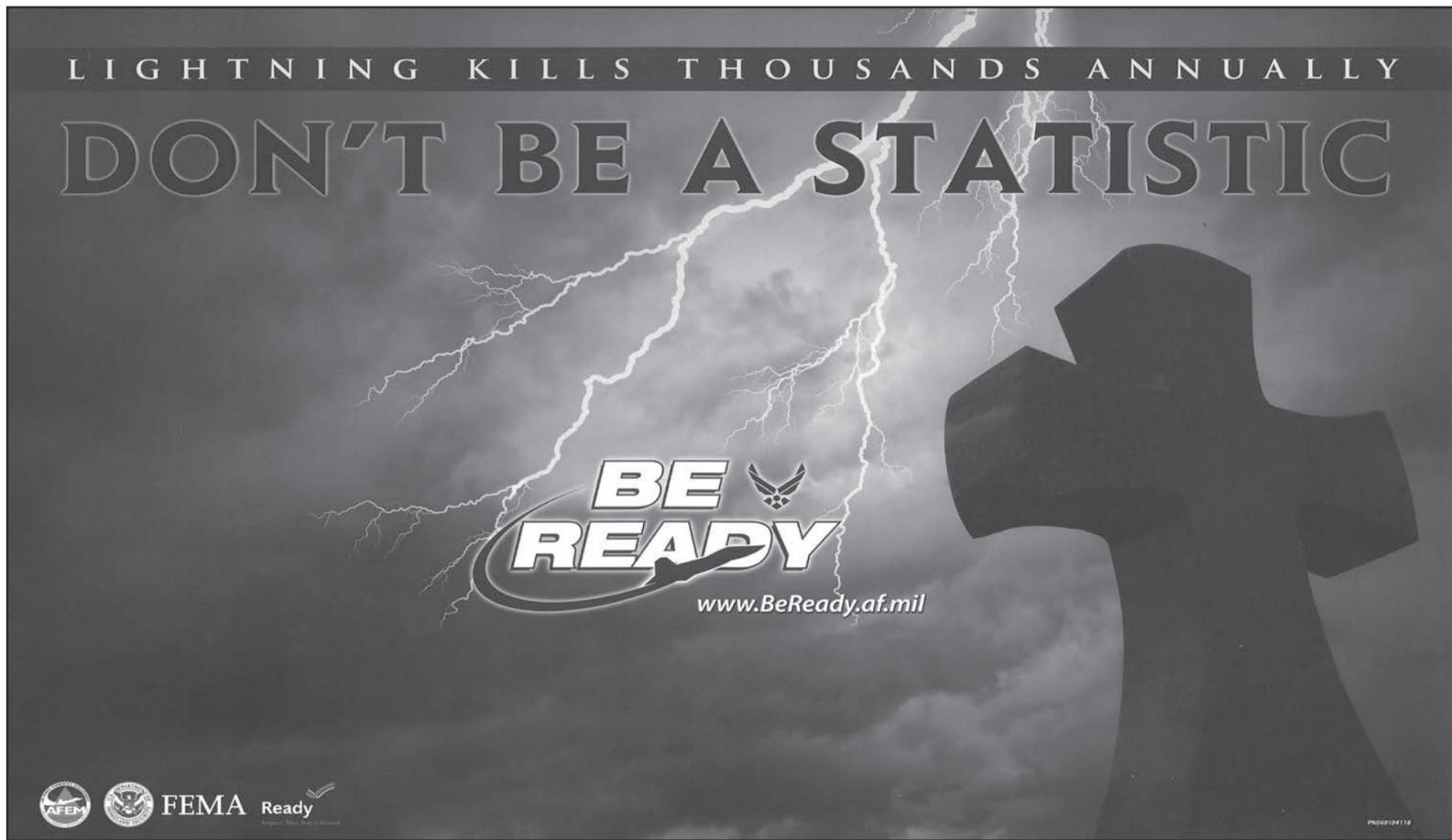
Feedback for the app, which was downloaded more than 250 times within the first four days of release, has been very positive, Genova said.

Air Force officials know there's a need and desire for products on other mobile

platforms and they're working on delivering that.

"Emergency management experts plan to release versions of the app on other mobile platforms including the Apple iPhone coming late spring 2013," Genova said.

To download the free 'Be Ready' application for Android devices visit, <https://play.google.com/store/apps/details?id=air.com.ara.brapp>. For more information and resources to help you and your family "Be Ready," contact installation Emergency Management offices or visit www.BeReady.af.mil.



Michigan base to test missile counter-measure prototype

By Tech. Sgt. Dan Heaton
127th Wing Public Affairs

SELFRIDGE AIR NATIONAL GUARD BASE, Mich. (AFNS) – The Air National Guard has begun installing a new prototype missile counter-measure device on aircraft at Selfridge Air National Guard Base. If tests on the prototype conclude favorably, as expected, the device could mean safer travels for KC-135 Stratotanker aircraft and additional job security for maintenance personnel at the base.

Working in conjunction with the KC-135 Systems Project Office (SPO) at Tinker Air Force Base, aircraft maintenance personnel at Selfridge began work in mid-January preparing a single KC-135 aircraft at the base for a prototype of the LAIRCM – large aircraft infrared countermeasure – system. After several weeks of prep work on the aircraft, the LAIRCM pod, known as The Guardian, will be added to the aircraft and a series of tests will be conducted with the aircraft at an Air Force test range in another state. An exact timeline on the testing project has not been publicly released, but the prototype testing is expected to conclude by late spring or early summer.

"This testing mission is important not only to the Air Force, but to our Army, Navy, Marine Corps and allied partners as well," said Col. Michael Thomas, commander of the Michigan Air National Guard's 127th Wing and a KC-135 pilot at Selfridge. "The work being done by our Airmen on this project will have a direct impact on the future safety of not only

aircraft, but the Airmen, Soldiers, Sailors and Marines aboard those aircraft."

The LAIRCM is specifically designed to defeat a portable, man-carried surface-to-air missile. While such missiles don't pose much threat when the KC-135 is refueling another aircraft at a high altitude, the tanker can be susceptible to such weapons while taking off and landing.

Safety in a hostile environment is of particular concern when KC-135s are used to perform one of the key alternate missions of the aircraft – serving as an aeromedical transportation system to move injured military personnel from remote bases to larger hospitals.

"We volunteered to serve as a test site for this project," said Col. David Brooks, commander, 127th Air Refueling Group, a component of the 127th Wing at Selfridge. "First, our maintainers have the skills and abilities necessary to work on this type of project. Second, when anyone in the Air Force thinks about tankers, we want them to think about Selfridge first."

Initial testing of the LAIRCM began with the 190th Air Refueling Wing in Kansas in 2010. After making adjustments from that testing, a prototype of the system was created for the Selfridge tests.

The LAIRCM is a pod that can be attached to the external skin of the aircraft. The receiving aircraft has to be modified to have a receiving plate, an additional antennae and wiring inside the aircraft. Once



Tech. Sgt. John Kerschenheiter, an electrician with the 191st Maintenance Squadron connects wiring for a new antennae to the flight controls of a KC-135 Stratotanker at Selfridge Air National Guard Base, Mich., Jan. 30. The KC-135, assigned to the 127th Air Refueling Group of the Michigan Air National Guard, was being outfitted with the additional antennae to allow it to serve as a platform for testing a prototype of a new aircraft defense system. (U.S. Air Force photo by Brittani Baisden)

the aircraft is prepped to be able to accommodate the LAIRCM pod, the pod would only be added to the aircraft – a procedure that only takes a few moments for a trained maintenance crew – on specific missions.

The system, said officials, was designed to be detachable from the aircraft to save on costs as a single LAIRCM pod could be attached and detached to multiple aircraft, as mission requirements change. The Air Force has not finalized plans on how many of the KC-135s in the fleet would be equipped with the necessary equipment to receive a pod. The Air Force has 167 KC-135s in the active duty fleet, 180 with the Air National

Guard and 67 with the Air Force Reserve.

The LAIRCM is designed to continuously scan for any threats to the aircraft. If a missile is detected, it jams the incoming missile's guidance system using a laser beam. The system does not require the aircraft pilot or another aircrew member to take action to eliminate a potential threat.

The Air National Guard's LAIRCM test is taking place at the same time as a similar prototype is being tested with a U.S. Navy C-40 Clipper cargo aircraft.

Selection of the air refueling group at Selfridge to work on the prototype project is a direct result of a certain mind-set found in the maintenance crew in the

group, Brooks said.

"When someone says, 'we can't do because....,' we've taken the approach of 'what can we do, what steps can we take, how can we work smarter to get this project done,'" he said.

The unit's mix of full-time aircraft maintainers and traditional, one-weekend-a-month Guard members helps bring new eyes and new ideas to a project, said Chief Master Sgt. Henry Ryan, superintendent of the 191st Maintenance Squadron.

"A lot of our traditional members are engineers, are electricians in their civilian jobs," Ryan said. "Sometimes that can spark an idea. Our full-time people are on the same aircraft all the time, so they get to

know an aircraft and that can spark an idea. It's up to leadership then to hear those ideas and be open to them, not just look for ways to say 'no.'"

Earlier this month, roughly 60 or so maintenance Airmen from the 127th Air Refueling Group shared in the receipt of the Wing Commander's Trophy for Excellence in 2012 for dramatically reducing the time an aircraft spends out of commission in a maintenance hangar.

"One thing leads to another," Ryan said. "You're doing good work on bringing your ISO (maintenance) times down and now you have the opportunity to be considered for a new, high-profile project to be brought on to the base."

Program officer visits integrated F-35 testing facility

By Laura Mowry

95th Air Base Wing Public Affairs

EDWARDS AIR FORCE BASE, Calif. (AFNS) – Members of the F-35 Integrated Test Force showcased their accomplishments in the developmental test program to the F-35 Lightning II Joint Program executive officer during his visit here Jan. 22.

This was Lt. Gen. Christopher C. Bogdan's first visit to the ITF since his assumption of the role in December 2012. During his visit, Bogdan met with

base leadership, toured facilities and gained valuable program insights.

"This was an opportunity for General Bogdan to see the testing done at Edwards and it allowed us to showcase the great work done here," said Lt. Col. George Schwartz, F-35 ITF government director. "It was a chance to show all that we accomplished last year and what's ahead. There have been a lot of challenges, but the hard work by this team has produced improve-

ments in every aspect of the weapon system. We were able to show him that we're making steady progress."

ITF members made major progress in testing during Bogden's visit. The program executive officer watched the final test mission for all clean-wing flutter, which certified the F-35 is clear of flutter at speeds up to 1.6 Mach and 700 knots with weapon bay doors open or closed.

"This testing has taken years to accomplish and we were very fortunate he was here to see it. This is an important milestone from a

capabilities standpoint and what we will deliver to the warfighter," Schwartz said.

During his visit, Bogdan thanked the men and women of the ITF for their hard work and dedication to the program and also reminded personnel that their commitment to develop and test the fifth-generation stealth fighter remains of the highest importance.

"We are gathering ... momentum in this flight test program; it is one of the highlights and one of the good things I stand up in front of Congress and the senior leaders and I tell them about all the time. So I want to thank you for that. Your work here is critically important," Bogdan said.

While detailing current and future challenges of the program, Bogdan emphasized the joint strike fighter's incredible complexity associated with the multi-service, multi-national program.

"This program (includes) three services, eight partners and currently two Foreign Military Sales customers and at one level or another, they all get a say in what we do. That makes things hard moving forward," Bogdan said.

He also addressed the challenge of concurrency. The F-35 is still being designed, flight tested and produced while service members at Eglin AFB, Fla.

and Marine Corps Air Station Yuma, Ariz., are flying and maintaining the aircraft operationally.

"Granted it's a very small operational window we have given Eglin and at Yuma, but they are out there flying airplanes and we have to support those airplanes. You wrap all that together and what you have is a program, that when you push on any one part of the program, it causes big effects on other parts," Bogdan said.

Despite budgetary and concurrency challenges facing the program, Bogdan emphasized his confidence in the men and women of the F-35 ITF to continue their great work and urged them to find ways to maximize efficiency.

He also stressed the importance of accountability and learning from the past.

"There's a lot of negativity looking in the rear-view mirror of this program. Let's not forget this program had problems, but hold this team and me accountable for what happens now and in the future. I want everyone to think about how to make you and your job more productive.

Ask how we can do this in a better way. We need to become more efficient and more effective so we do not let the warfighter down," Bogdan said.

Always looking to capitalize on opportunities for improvement, Schwartz said the F-35 ITF has implemented sensible changes to the developmental test program, which cut costs and maximizes flexibility, while remaining fully committed to delivering the war-winning capabilities of the F-35 as efficiently as possible.

"We have reached a level of maturity in the aircraft where it is safe to not chase low risk test missions. This is a natural evolution in a developmental program and we are always looking for ways like this to operate smarter," Schwartz said.

"In 2013, there will be approximately 100 missions, which include mostly mission systems testing and some flight sciences that will no longer require us to fly chase," he added. "It gives us more flexibility with our flying and saves approximately \$3.5 million locally. The F-35 ITF is and has always been committed to maximizing efficiency and we will continue to look for ways to do so."

The F-35 Lightning II Joint Program Office is the Department of Defense's agency responsible for developing and acquiring the F-35A/B/C, the next-generation strike aircraft weapon system for the Navy, Air Force, Marines, and many allied nations.



Lt. Gen. Christopher C. Bogdan talks with members of the F-35 Integrated Test Force during his first visit to Edwards Air Force Base, Calif., Jan. 22. Bogdan assumed the role of program executive officer for the F-35 Lightning II Joint Program Office in December. (U.S. Air Force photo/Paul Weatherman)

MY STRENGTH IS FOR DEFENDING
AEDC Victim Advocates Hotline:
(931) 581-7494

Preventing Sexual Assault is part of our duty

Arnold Golf Course
454-GOLF 454-FOOD

Check us out on Facebook! Arnold AFB Services Golf Course

Winter Special will go through Feb. 28. Play all day for \$10 green fee. Regular cart fees apply.

2013 Tournament Schedule

- April 13 - Commander's Season Opener (4-person scramble)
- April 30 - 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 Tournament
- Oct. 5 - Season Ending Tournament

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

First Friday Jam will be March 1 beginning at 6 p.m. Come to play, listen, dance and enjoy. Join in with the band to play an instrument or sing. Or take over and do your own performance. Dinner is available from 5-8 p.m.

Arnold Lakeside Center welcomes back Pretty Discoveries for a **jewelry fair** 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.

Last Friday Trivia Contest will be Feb. 22 and March 29. 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. Whichever value is left must be used for the final question in that round. After the eighth round, teams may wager up to their total points earned for the final question. Prizes are awarded for top finishers.

"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

See BRIEFS, page H2

Eagle Scout Project improves FamCamp Store

John Glennon, age 17, lives in Tullahoma, Tenn., where he attends Tullahoma High School. John is interested in hiking, kayaking, working out, cars and scouting. He started in Cub Scouts and is now a member of the local Boy Scouts of America (BSA) Troop 402. John has a total of eight years in Scouts and only needs two more merit badges to complete his Eagle Scout requirement which is the highest rank in the Boy Scouts.

He is currently a Life Scout which is one level below the Eagle Scout. To achieve the goal of Eagle Scout, John has to have earned at least 21 merit badges and complete an extensive service project. This project is planned, organized, led and managed by the scout. The Eagle Scout service project he chose was to build a handicap ramp at the Services FamCamp Store at AEDC.

Discussions began on the project in Sept. 2012 meeting with the Services Chief and Outdoor Recreation management to decide on the most feasible options. John presented his designs and the project was approved in Dec. 2012. He immediately began fundraising for



Eagle Scout John Glennon shown with the handicap ramp he built at FamCamp. (Photo provided)

the project, researching ADA ramp specifications and obtaining the necessary supplies.

Construction started Dec. 31 with the help of four other scouts and two adults. Work continued on Jan. 2 with seven

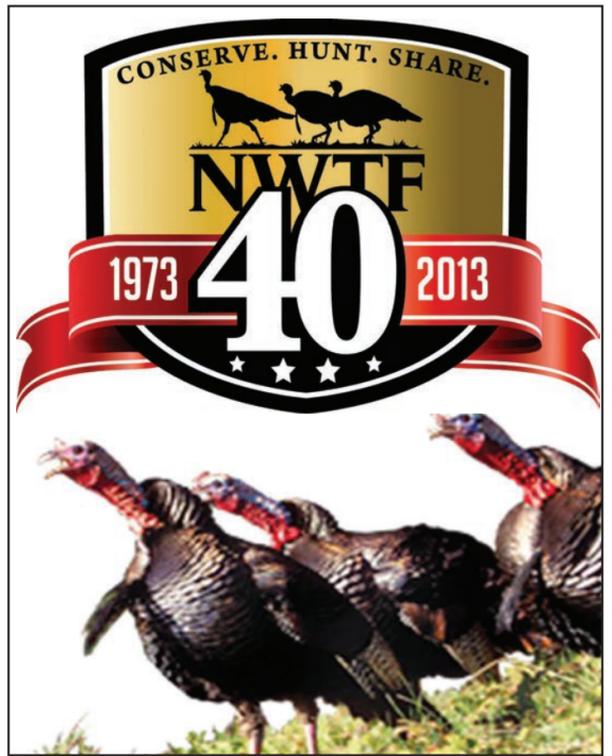
scouts and two adults and the ramp was completed Jan. 3.

John will now earn his other two merit badges before his 18th birthday and then

See FAMCAMP, page H4

ALC/ODR to host Franklin County Longbeards AEDC Invitational March 9

Services Arnold Lakeside Center along with Outdoor Recreation will host the Franklin County Longbeards AEDC Invitational March 9. This event is open to the public and is a National Wild Turkey Federation (NWTF) sanctioned calling contest with emcee Mike Halter. Things get underway at 9 a.m. at Arnold Lakeside Center with check in of all contestants. A calling meeting will be held at 10 a.m. and the calling contest will start at 11 a.m. All contestants and guests should preregister by March 2. Because Arnold Lakeside Center is in a base affiliated gated community, a list of all attending provided to the security gate will expedite entry. Late registration is allowed, but will cost an additional \$10 and could result in delays at the gate. There will be five divisions: Senior Open (age 21 and over) \$20, Senior Friction (age 21 and over) \$20, Amateur (any age) \$15, Intermediate (age 16-20) \$10, and Jakes (age 15 and under) free. All divisions will award first, second and third place winners. The first place winners in both Senior divisions are eligible to move on to the NWTF Grand National Calling Championships in Nashville. A deli lunch buffet will be served for \$8.75 (\$5 age 12 and under) or the pizza menu will also be available throughout the day. Dinner is available from the full menu. Limited booth space is available at this event for \$50 per space. For more information or to register call Preston Martin at 931-454-3350 or Joe Pennington at 931-454-6084.



St. Patrick's Day Bash at ALC

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 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.

Valentine's Day Date Night Dinner and Movie for Two at ALC

Arnold Lakeside Center will host a Valentine's Day Date Night Dinner and Movie for Two Feb. 14. Dinner for two includes choice of appetizer (spinach artichoke dip, cheese sticks, fried mushrooms or onion rings), choice of two dinners (grilled bacon wrapped sirloin steak, Monterrey chicken, blackened tilapia, ten spice vegetable pasta), choice of two sides

per dinner (rice pilaf, mashed potatoes, baked potato, steamed broccoli, corn or fries), choice of dessert served with two spoons (carrot cake, five layer chocolate cake, pecan pie or bacon ice cream sundae). Cost is \$23 per couple for members and \$25 per couple for non-members.

See VALENTINE, page H4



Easter "Fun in the Sun" Picnic and Easter Egg Hunt at ALC

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.



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

This Services supplement is published by *The Tullahoma News*, a private firm in no way connected with the U.S. Air Force, under exclusive written contract with Aerospace Testing Alliance (ATA). This supplement is an authorized publication for members of the U.S. military services. Contents of this supplement are not necessarily the views of, or endorsed by, the U.S. Government, the Department of Defense, the Department of the Air Force or ATA. Services is an exclusive area available to all AEDC personnel, active duty, retired military, National Guard, Reserve military and others as approved by the commander. Services activities include Wingo Inn (lodging), Arnold Lakeside Center (Club, Community Center, Information, Tickets & Travel (ITT), Barber Shop, Café 100), Outdoor Rec (Marina, FamCamp, Crockett Cove, Dogwood Ridge), Golf Course and Fitness Center. Those mentioned above are eligible to use any Services activity during regular operating hours unless it is specified as a "members only" event. Membership is a personal choice. However, only members are entitled to discounts and other benefits associated with membership.

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

March 2013

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
31	<p><i>Members First Plus Membership Drive continues through March 31: "Make the Right Choice - Get Rewarded; Show Your Card - And Save!"</i></p> 				1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Hours of operation

Arnold Lakeside Center: Catering/Management offices by appointment. Cashier – Monday through Friday, 9 a.m. – 4 p.m. Dinner – full menu available Thursday, 5 – 8 p.m.; Friday and Saturday, 5 – 9 p.m. Main Bar – Thursday, 5 – 8 p.m.; Friday, 4 – 10 p.m.; and Saturday, 5 – 10 p.m. Social Hour – Friday, 4 – 6 p.m. Movie Night – Thursday, 6:30 p.m.
Information, Tickets & Travel (ITT): Tuesday through Friday, 10 a.m. – 3 p.m.
Café 100: Monday through Friday, 6:30 a.m. – 1:30 p.m. **Closed Feb. 18**
Barber Shop: by appointment – Monday, Tuesday, Thursday & Friday, 8 a.m. – 4 p.m. **Closed Feb. 18**
GLC (office located at Arnold Lakeside Center): Monday through Friday, 7 a.m. – 3:30 p.m. May vary depending on bookings. **Closed Feb. 18**
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. **Open 5 a.m. – 6 p.m. Feb. 18**
Arnold Golf Course: Pro Shop & Driving Range 8 a.m. – dusk. Driving Range open 24 hours with pre-purchased 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. **Closed Feb. 18**
Wingo Inn: Monday through Friday, 7 a.m. – 6 p.m.; Saturday and Sunday, 8 a.m. – 4 p.m.
Non-appropriated Funds Human Resources: Monday through Friday, 7:30 a.m. – 4 p.m. **Closed Feb. 18**

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 Jeff Lillard, Commissary manager, at (931) 454-3545.

AAFES Dividends

Dividends generated from the Army and Air Force Exchange Service (AAFES) overall earnings are a major contributor to Services non-appropriated 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 January 2013 totaled \$8,121.16.

BRIEFS from page H1

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. Entries are limited to one per member per visit. Prizes include lunch for two at Mulligan's Coffee Bar & Grill, canoe or kayak for the day from ODR, Large pizza from ALC or Café 100, \$25 Services Bucks, dinner for two from ALC, Dinner for four at ALC movie night, one night at Crockett Cove or Dogwood Ridge, and \$50 Services Bucks. Drawings will be held Friday afternoons and winners will be notified by close of business the following Monday. The Mid Drive Event will be held March 1 in Café 100 from 10:30 a.m. to 1:30 p.m. Current and new members will receive free Otis Spunkmeyer cookies. On March 16, ALC will host a St. Patrick's Day Bash where members can enjoy dinner for free. Nonmembers 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 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!

Membership Benefits & Information

Services new member benefits - during the Membership now – March. 31

- First three months dues free
- Instant win scratch off worth \$5, \$10, \$25, or \$100 issued on Ser-

vices gift card

- Services promotional item for joining
- Sign up in Café 100 March 1 and receive free cookies
- Sign up in Café 100 March 29 and receive a free sample of new Café 100 baked goods.
- Eligible for Punch Cards at Café 100 and Mulligan's Coffee Bar & Grill
- Eligible to enter weekly prize drawings

See BRIEFS, page H3

BRIEFS from page H2

Services member benefits - during the Membership Drive, now - March 31

- Café 100 March 1 receive free cookies
- Free dinner at St Patrick's Day Bash, March 16
- Café 100 Mar. 29 receive free sample of new Café 100 baked goods
- Eligible for Punch Cards at Café 100 and Mulligan's Coffee Bar & Grill
- Eligible to enter weekly prize drawings

Services member benefits - ongoing

- Save 10 percent at most Services activities on purchases
- Arnold Lakeside Center - personal functions/special events
- Outdoor Recreation - Equipment Rental (tents, tables, grills, coolers, canopies, paintball, etc)
- FamCamp (RV and tent sites)
- Crockett Cove (cabin rentals)
- Dogwood Ridge (trailer rentals)
- Inflatables
- Marina (boat rentals - excluding gas/oil)
- Storage fees
- Golf Course - Mulligan's Coffee Bar & Grill purchases
- Pro Shop merchandise
- Cart rental
- Daily/Annual green fees
- Trail fees
- Club rental
- Lessons
- Save \$2 off dinner at Arnold Lakeside Center and \$1 off lunch (when available)
- Membership Night free buffets at Arnold Lakeside Center
- Free Friday social hour snacks at Arnold Lakeside Center
- Eligible for special promotions such as Air Force Club Membership Scholarship Program (members and dependents meeting criteria may enter essay contest to win scholarship), Texas Hold 'Em Tournaments, etc
- Added advantage at special events such as Casino Nights (issued higher dollar value play money) and Super Bowl (allowed two squares on prize board)
- Contractor members authorized use of Fitness Center (Military and DoD have access regardless of membership)

Chase Bank member benefits

- Cash back rewards program/Military Free Cash (available to MasterCard members)
- Members can redeem points for cash back, gift cards, and travel (airline tickets, hotel, car rental)
 - Two points per dollar on card purchases made on-base in Services activities, BX (to include gas), and Commissary
 - One point per dollar on all other card purchases for all charges off base
 - Points never expire
- No foreign transaction fees
- Blue Star Benefit
 - All fees and interest

refunded on account while member or any authorized user on account is deployed.

Membership accounts are handled through Chase Bank and come with MasterCard (pending credit approval) with charging privileges anywhere MasterCard is accepted. There are no fees associated with Chase Bank.

Arnold Services Members First Plus monthly membership fees: \$15 for officers, civilians GS-9 and above, all contractors; \$8 for enlisted, civilians GS-8 and below

Fitness Center 454-6440

Check us out on Facebook! Arnold AFB Services Fitness Center

Blood Pressure Screening will be held in Café 100 11 a.m. - 12 p.m. Feb. 13. Not sure what your blood pressure level is or why it matters? The Fitness Center staff will be providing free assessments and providing information. High blood pressure usually has no symptoms but can lead to serious problems. You can control high blood pressure through healthy lifestyle habits and medication. Stop by and see where your numbers fall and learn more about heart health.

The Fitness Center staff will be in Café 100 March 6 from 11 a.m. - 12 p.m. for **Colorectal Awareness**. Among cancers that affect both men and women, colorectal cancer is the second leading cancer killer in the U.S. But, if everyone aged 50 years or older had regular screening tests, at least 60 percent of deaths from this cancer could be avoided. Stop by and pick up some material with more information about this disease. Screening saves lives.

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 April 1. Rates will increase April 2 - June 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 April 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.

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.

Outdoor Rec (ODR) 454-6084

Check us out on Facebook! Arnold AFB Services Outdoor Recreation

Leave No Trace Hike is set for Feb. 16 at Crockett Cove from 10 a.m. - 1 p.m. for ages 10 and up. This class is \$5 per person and is a nationally recognized outdoor skills and ethics awareness pro-

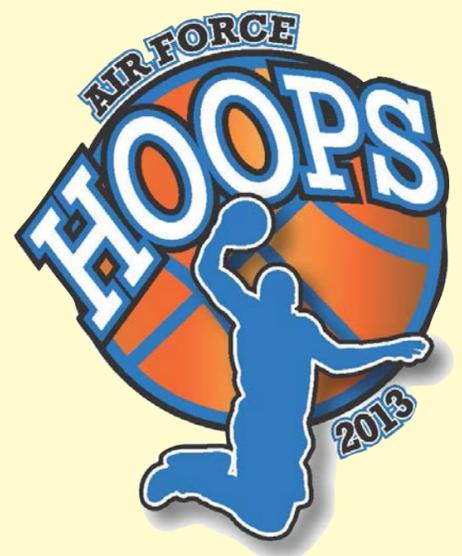
gram. Remember to wear warm clothes, gloves and other necessary items to keep warm outdoors as this class will be in the natural elements to give hands on instruction on how to treat the environment. The seven principles are guidelines to follow at all times and are an awareness of and an attitude toward the land rather than a set of rules. These seven principles will teach how to plan ahead and prepare, camp on durable surfaces,

dispose of waste, leave what you find, minimize campfire affects, and respect wildlife and other hikers. At the end of this session participants will be able to identify personal nature awareness and stewardship goals, learn simple, but effective, skills related to minimum impact outdoor activities, and develop an action plan for implementing Leave No Trace

See BRIEFS, page H4

2013 AF Hoops Promotion

The 2013 Air Force (AF) Hoops Promotion will be held in conjunction with the 2013 National Collegiate Athletic Association (NCAA) Division I Men's Basketball Championship Tournament. The AF Hoops promotion begins March 1 and concludes on April 8. Scratch-off tickets will be available at the Mulligan's Coffee Bar & Grill or Café 100. Scratch-off tickets will have instant wins or a code which unlocks a tournament seed via the www.myafllife.com website. At the conclusion of the promotion, winners will be randomly selected from registrants who drew the winning tournament seeds for the grand prizes. There are 25 grand prizes ranging from \$300 to \$5,000.



March Movie Schedule

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



March 7 - "Wreck-It Ralph," rated PG (1 hr. 48 min) starring voices of John C. Reilly, Jane Lynch and Jack McBrayer. A video game villain wants to be a hero and sets out to fulfill his dream, but his quest brings havoc to the whole arcade where he lives.

March 14 - "The Twilight Saga: Breaking Dawn - Part 2," PG-13 (1 hr. 55 min.) starring Kristen Stewart, Robert Pattinson and Taylor Lautner. After the birth of Renesmee, the Cullens gather other vampire clans in order to protect the child from a false allegation that puts the family in front of the Volturi.

March 21 - "Life of Pi," PG (2 hr. 7 min.) starring Suraj Sharma, Irrfan Khan, and Adil Hussain. A young man who survives a disaster at sea is hurtled into an epic journey of adventure and discovery. While cast away, he forms an unexpected connection with another survivor ... a fearsome Bengal tiger.

March 28 - "Rise of the Guardians," PG (1 hr. 33 min.) starring voice of Hugh Jackman, Alec Baldwin, and Isla Fisher. When the evil spirit Pitch launches an assault on Earth, the Immortal Guardians team up to protect the innocence of children all around the world.

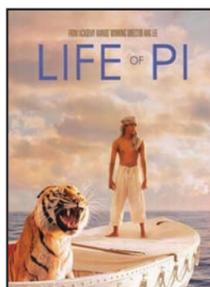
March 7



March 14



March 21



March 28



The Green Scene
brought to you by Services Recycling Program

Air Force "Net Zero" Energy, Water, and Waste Policy excerpt:

This policy, dated 23 June 2012, supports and builds upon Executive Order 13514, "Federal Leadership in Environmental, Energy, and Economic Performance."



A Net Zero Energy posture is defined as reducing energy demand, improving the assured availability of facility/process energy for mission-critical operations, and increasing generation of renewable energy to the greatest extent practicable in order to consume no more energy than is generated. A Net Zero Water posture is defined as reducing consumption of potable water to an amount no more than can be practicably captured and reused, repurposed, or aquifer-recharged. A Net Zero Waste posture is defined as reducing the disposal of waste in all its forms (e.g., non-hazardous solid waste, hazardous waste, and medical waste) through the application of the pollution prevention hierarchy to the greatest extent practicable (to include avoiding landfilling and maximizing recycling).

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

principles on future outdoor activities. Call to sign up for this class at least three days in advance.

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 deadline to sign up is March 14.

Camping Guests Lake Tour is scheduled for 12-2 p.m. March 23. 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 March 22.

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.

FAMCAMP from page H1

meet the Eagle Scout review board. In earning merit badges, scouts learn about sports, crafts, science, trades, business and future careers. There are more than 130 merit badges to choose from, but all have extensive requirements and must be met and approved by a Merit Badge Counselor.

Scouting provides structured settings where young people can learn

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

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

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

Extended Stays avail-

able 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

Law - to be trustworthy, loyal, helpful, friendly, courteous, kind, obedient, cheerful, thrifty, brave, clean, and reverent.

For more information on Cub Scouts or Boy Scouts visit www.scouting.org.

For more information on Services or FamCamp call Services Marketing at 931-454-3128 or Services Outdoor Recreation at 931-454-6084.

bathhouse is on site. The 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 ft. long and 10 ft. wide and rents for \$25 per month or \$250 per year. The covered boat storage has 9 slots open. The boat storage slots are 40 ft. long and 12 ft. wide and rents for \$45 per month or \$450 per year. Both storage yards require proof of registration and insurance of item placing in storage along with a signed contract based on length of stay. Access to the storage yard will be granted at the time the contract is signed. Call for more details or to reserve your slot.

Outdoor Rec inflatables!

There is an assortment of inflatables for almost everyone's needs. We have a huge backyard obstacle challenge measuring 40-feet long x 10-feet wide x 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

VALENTINE from page H1

Reservations are due Feb. 12. The pizza menu will also be available. As always, dinner is optional at movie nights. The free movie will begin at 6:30 p.m. and will feature a special date night selection, "Cloud Atlas," rated

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

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

**Wingo Inn
454-3051**

Check us out on Facebook! Arnold AFB Services Wingo Inn

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

**Gossick Leadership Center
454-4003**

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

The Gossick Leadership Center (GLC) may be used for events such as meetings, conferences, luncheons, dinners, etc. and is booked through the Services Conference Center Manager (CCM) up to one year in advance. Requests must be made in writing by email to arnold.glc@arnold.af.mil. All event coordinators are required to sign an agreement. Official unit functions are authorized at no charge and are defined as bona fide official meetings or training held as part of the normal duty day. Unofficial and private functions may be held for authorized users at a fee. Community members may host events with the approval of the Services Director for a fee. Outside food and beverages are not allowed. First consideration must be given to Arnold Lakeside Center. In the event they cannot accommodate, an outside source may be utilized with CCM approval. For more information contact the CCM at 454-4003.

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

The AEDC Woman's Club will meet at 9:30 a.m. March 5 at Arnold Lakeside Center beginning with meeting, program and followed with lunch. The program will be a fashion show presented by The Tigress from Fayetteville. The Tigress is an unusual shop featuring the latest in ladies' clothing and the most fantastic collection of accessories for the home. Be sure to be at the meeting for the spring collection which will awe and inspire you! Call or email Liz Jolliffe at 393-2552 or jajolliffe@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.

