



# HIGH MACH

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## AEDC tests large class rocket motor for USAF Nuclear Weapons Center

By Raquel March  
ATA Public Affairs

The rocket test team at Arnold Engineering Development Complex's state-of-the-art Large Rocket Test Facility J-6 performed a successful test of the Aerojet Rocketdyne Large Class Stage 2 (LCS2) rocket motor on Wednesday. This test, sanctioned by the

U.S. Air Force Nuclear Weapons Center (AFNWC), was the largest solid propellant rocket motor test ever performed at AEDC.

The rocket motor is 92 inches in diameter, has a burn time of about one minute, and was designed to produce roughly 257,000 pounds force of thrust.

"The primary purpose of

this simulated altitude test firing is to demonstrate the performance, functionality and structural integrity of the motor case, solid propellant, nozzle and thrust vectoring actuation (TVA) systems," said Richard Kirkpatrick, an AEDC Space and Missile Test Branch project manager for the test. "Measured motor performance will be used to help determine if the LCS2

program goals are met."

AEDC's J-6 was the most appropriate facility for this test because of the facilities capabilities.

"AEDC's J-6 test facility is the only test facility that can test large solid rocket motors at simulated altitude conditions," Kirkpatrick said. "Given AEDC's distinguished history and successful test ex-

perience with rocket motors of this size, it was an easy decision to select us ... AFNWC and Aerojet Rocketdyne personnel were very pleased with the overall test program."

Aerojet Rocketdyne states that the LCS2 motor is under AFNWC development as a demonstration of enabling

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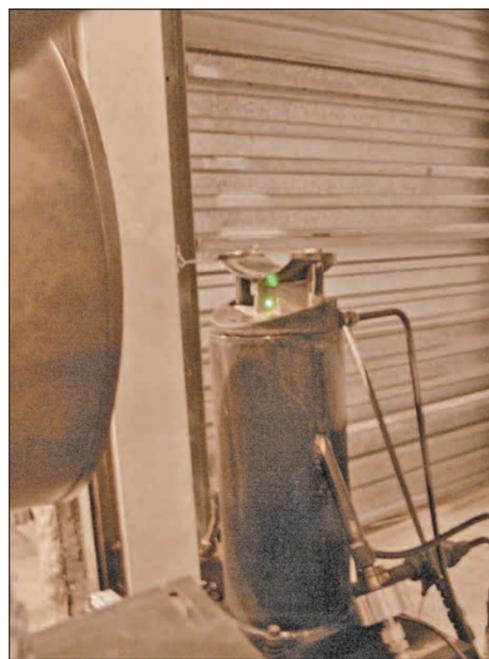
## AEDC team supports new measurement capability for turbine blades and vanes

Dr. Robert Howard  
and Martha Simmons  
AEDC Contributing Writers

The Air Force requires a new measurement capability to monitor the surface temperature of thermally-barrier-coated blades and vanes on the first turbine stage of military fighter engines. Accurate quantification of temperature will allow increased performance of military fighter aircraft.

A method for measuring the surface temperature of blades and vanes in the hot section of turbine engines using a thermographic phosphor (TGP) technique is being developed by NASA Glenn Research Center, Cleveland, Ohio in collaboration with AEDC and the Propulsion Instrumentation Working Group (PIWG).

The measurement technique requires coating the blade and vane surfaces with a phosphor material appropriate for the targeted temperature range. The phosphor material is excited by a pulsed laser beam and the temperature determined from the time-rate-of-decay of the luminescence signal.



This photo of a phosphor-coated dual vane section of a gas turbine engine, is positioned downstream of the AEDC J85 engine at the University of Tennessee Space Institute Propulsion Research Facility. The luminescence produced by the green laser beam and projected onto the phosphor-coated surface (left) is used to measure surface temperature. (Photo Provided)

During a week of testing, NASA demonstrated the TGP measurement technique on a phosphor-coated engine vane section mounted in the exhaust

flow field of an AEDC J85 engine at the University of Tennessee Space Institute (UTSI) Propulsion Research Facility (PRF). The J85 afterburner exhaust was used to simulate the

temperatures experienced by the first stage turbine.

The test program was conducted in two phases; the first phase demonstrated an imaging TGP technique in which the la-

ser and detection camera were mounted off to the side of the exhaust flow. The laser beam was directed to the test article

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## 'Snowmeggedon' hits Tunnel 9



Old Man Winter continues to pound many areas with snow and ice; AEDC's Tunnel 9 is one of those places. (pictured) Dan Marren, director of our White Oak Site, tries to shovel out a path at his home after recent heavy snowfall forced Tunnel 9 employees to stay home. The latest weather system dropped 12 inches of snow on the Baltimore area. (Photo by Kristi Marren)

## AEDC to host AbilityOne® Agency Day

ARNOLD AIR FORCE BASE, TENN. – The first phase of the Arnold Engineering Development Complex contract transition will start when the Source Selection Office hosts an Agency Day for AbilityOne March 4.

Agencies which choose to compete for work at AEDC will be able to learn about the nationally vital mission of AEDC.

For 75 years the AbilityOne program has provided employment opportunities to blind and severely disabled individuals on federal installations and in local communities where there is a federal presence. AbilityOne is the single largest source of employment for blind and severely disabled individuals in the United States

There are more than 600 non-profit agencies which participate in the AbilityOne program nation-wide employing more than 50,000 employees through federal contracts and purchases. Additionally, AbilityOne makes concerted efforts

to employ Wounded Warriors and disabled veterans.

"The AbilityOne program is an independent federal program established by the Javits-Wagner-O'Day Act to provide employment opportunities for people with significant disabilities," writes Allen Dukes, Project Manager, Business Development, at SourceAmerica.

"Through SourceAmerica, one of two central nonprofit agencies under the AbilityOne program," wrote Dukes, "alongside local community rehabilitation programs, and in collaboration with the Tennessee Vocation Rehabilitation Department and the University of Tennessee Center for Literacy, Education and Employment, new employment opportunities servicing Arnold Air Force Base in Tullahoma and Manchester will begin by the end of the fiscal year."

The anticipated award date of this effort is August 2014 with performance to begin October 1, 2014. Information on the AbilityOne Program is available [www.abilityone.gov](http://www.abilityone.gov).

## HIGH MACH

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

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**The complex's vision:** Be the nation's best value ground test and analysis source for aerospace and defense systems.



### Core Values

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



### Vision

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

### Core Values

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

# AEDC Police warn motorists about traffic offenses



**Arnold Police Officer Steven Luttrell checks the speed of AEDC motorists to ensure safe travels. Traffic points, or citations, are issued to AEDC motorists who violate traffic laws. Accumulating too many traffic points can impact your base driving privileges. (Photo by Rick Goodfriend)**

**By Dan Hawkins**  
AEDC Contributing Writer

Did you know that last year Arnold Security stopped 280 drivers on Wattendorf Memorial Highway for speeding? Did you also know that speeding is a leading contributor to traffic fatalities state-wide? But excessive speed is not the only safety concern on Wattendorf.

Arnold AFB shares Wattendorf with a robust population of deer, turkey, and everyday citizens looking to shave time off of their daily commute to I-24. In an effort to address these safety concerns, Arnold AFB makes use of a traffic point system.

As part of the Air Force Motor Vehicle Traffic Supervision Program, the base is required to track citations issued and assess points against an offender's driving record. When a driver is cited repeatedly and accumulates too many points, a notice is sent to the commander for a driving privilege determination.

Depending on the severity of the offense(s) and the number of points accumulated, base driving privileges can be suspended or revoked from six months up to one year. Egregious violations such as DUI carry an automatic one-year revocation and suspension from operating a motor vehicle on all roads at Arnold AFB, to include Wattendorf Memorial Highway.

Driving on suspension or revocation adds a mandatory two-year extension to the initial term. All suspensions and revocations apply to both government and privately-owned vehicles.

Although license suspension up to six months may start for lower point accumulation totals, mandatory revocations of one year take effect with a point accumulation of 12 points in 12 months or 18 points in 24 months. Such suspensions and revocations are applicable at all DOD installations and are monitored by the Defense Biometric Identifica-

This chart provides just a few examples of points assessed. A complete table can be found in AFI 31-218 (I).

2 points	Operating an unsafe vehicle
2 points	Improper parking
3 points	Unattended vehicle (with the motor running)
3 points	Misuse of handicap decal
3 points	Failure to wear helmet, reflectorized vest, etc. while on motorcycle
3 points	Wearing headphones while driving
3 points	Use of a cell phone while driving
3 points	Operating a radar detection device
3 points	From 1 to 10 mph above posted speed
4 points	Over 10 mph and up to 15 mph
4 points	Failure to stop at a stop sign
5 points	Over 15 mph but not more than 20 mph
6 points	Over 20 mph above posted speed

tion System (DBIDS) in use by the Arnold Security Forces. Points assessed against a person will remain in effect for point accumulation purposes for 24 consecutive months.

Drivers who subsequently violate a suspension or revocation by driving on AEDC property can receive additional administrative actions taken against them. These actions include barment from base if the AEDC Commander determines it is

necessary in order to protect and preserve order on the installation and to safeguard AEDC persons and property.

People who enter AEDC property after being barred are subject to prosecution for criminal trespass.

If you have questions about the traffic program at Arnold AFB, contact the AEDC Legal Office at 454-7814 or AEDC Security Forces at 454-3424.

## Craig Martin encourages ATA personnel's family to apply for Jacobs' scholarships

Over the last five years, the Jacobs Engineering Foundation has awarded 100 (9 were children of ATA employees) U.S. undergraduate scholarships of \$3,000 each renewable for up to four years from more than 1,700 applications submitted by students majoring in any of the science or technology fields of study. The scholarships are valid at any accredited four-year college or university worldwide and can help defray the cost of tuition, room & board, fees, books and supplies.

This program was in-

troduced in memory of our founder, Dr. Joseph J. Jacobs. His vision, leadership, and commitment to our business helped make this company one of the world's largest and most diverse providers of technical, professional, and construction services. Dr. Jacobs showed a particular devotion to education and recognized the significant value of making higher education attainable for any child who sought it. Joe would be very proud of this scholarship program.

Employees with students who would like to be considered for scholarships

from the Dr. Joseph J. Jacobs Global Scholarship Program for the 2014-15 school year may submit applications to Scholarship Management Services®, a division of Scholarship America®, now through April 4.

The program is independently administered by Scholarship Management Services, a division of Scholarship America. Scholarship America is a nonprofit educational support and student aid service organization located in the United States. Information on eligibility, the schol-

arship awards, the application, and the selection process is available on the AEDC Portal, click on the Employee Resources Tab, on the Human Resources Panel (which is on the right hand side of the screen), choose Human Resources Branch (at the bottom of the HR Panel), then choose Benefits & Development, and scroll down and select the Jacobs Scholarship link. It can also be found on Scholarship America's webpage for the Dr. Joseph J. Jacobs Global Scholarship Program <http://sms.scholarshipamerica.org/>

*jacobs.*

If you have additional questions, feel free to reach out to Scholarship America or your local human resource representative.

We are delighted to offer this opportunity to our employees and sincerely hope you participate.

Keep yourselves and your loved ones safe.

If you need help locating the scholarship information, contact Laurie Winton with ATA at 454-6686. If you have questions about the scholarship, contact Nick Green with Jacobs Technology at 393-6521.

## 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, smoking is not permitted 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. Smoking areas will be held to the absolute minimum and will be located in low traffic, low visibility areas away from points of building ingress/egress and air intakes. A map of all authorized smoking areas is available on the AEDC web portal at [https://papro.arnold.af.mil/PORTAL/images/Smoking\\_area\\_map.pdf](https://papro.arnold.af.mil/PORTAL/images/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.

Smoking, including the use of electronic cigarettes and smokeless tobacco, is prohibited in any area, at times when official business is being conducted with government clients, test customers, outside visitors and dignitaries, and where official business is being conducted including conference rooms, auditorium settings, business meetings, or in any other area where Air Force regulations specifically prohibit use. Containers of tobacco waste product, including selsaed containers, must not be left unattended or disposed of in trash receptacles. Users of smokeless tobacco must flush tobacco waste down the toilet. Due to the nature, appearance, and safety concerns of electronic cigarettes (also known as "e-cigs"), the use of said products will abide by the same rules for tobacco products stated above and governed by AFI 40-102, *Tobacco Use in the Air Force*.

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 policy remains effective until rescinded. (This policy is dated December 20, 2013)

## 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

## Schleider receives Boy Scouts of America Long Rifle Award



Michael Schleider, AEDC director of Engineering and Technical Management and Elk River District Boy Scouts District Advancement Chairman, recently received the Boy Scouts of America Middle Tennessee Council Long Rifle Award. He received this District Award of Merit at the Elk River District Adult Volunteer Recognition and 2013 Eagle Scout Banquet. The Long Rifle Award honors local unit and district-level scouters as selected by the local district committees and is presented for noteworthy service of exceptional character. The award, worn around Schleider's neck, is a miniature long rifle pendant fashioned after the long rifle that was used by Tennessee pioneers and is suspended from a green ribbon.

## Did you notice the difference?

By Lt. Col. Lonnie Hammack,  
21st Mission Support Group

**PETERSON AIR FORCE BASE, Colo. (AFNS) --** As I contemplated this article and the fact that it would be published during February, which is African American History Month, I thought at first that perhaps I'm not the best candidate to write this.

After all, I'm not African-American or any other ethnic minority.

Upon further reflection, I decided that some of the experiences I had growing up may be applicable. So step back a few decades in time with me for just a few minutes.

The area of the country I'm from was very late in ending racial segregation. Even though my home county in Georgia was nearly equally divided between Caucasians and African-Americans, the only black person I knew until I was 8 years old was a lady that worked for my grandfather.

The entire society around me was segregated. My elementary school was all white and the black elementary school was on the other side of town.

Before I started third grade, my father tried to explain desegregation to my siblings and me. I didn't really understand what was happening. I wasn't happy though because most of my cousins and friends had enrolled in neighboring counties and I would no longer see them at school.

The first day in Mrs. Mays' class was rough. Desegregation had arrived, I didn't know many people and this one black

kid kept picking on me. He called me names (racial slurs) I had never heard before. I didn't know what those names meant, but I could tell he wasn't being nice.

After school was over, we went outside and lined up for the bus. The same boy got in line behind me and continued to pick on me. I'd had enough by that time. I turned around and shoved him as hard as I could. He fell down, then quickly got back up, ready to fight. Before we could get started, Mrs. Mays broke it up and administered some much needed discipline (the old fashioned kind).

The boy's name was Wayne Whiting and we became best friends shortly after sharing that experience. We were inseparable for many years, although we drifted apart a bit in high school. He retired from the Army several years ago and I lost contact with him, but I think of him often.

Why do I tell this story? Because none of us are born with prejudices, racial or otherwise.

Wayne didn't know what to expect from me and I didn't know what to expect from him. Maybe he'd had some negative experiences from other white people. I don't know what he thought about me, but he figured out pretty quickly that the only real difference between us was the color of our skin and that didn't really matter to two 8-year-old boys full of energy and mischief. We had many great adventures together after that (and received a number of paddlings for those adventures).

One of the things I've enjoyed most about my Air Force

career is the zero tolerance we have for racial discrimination. It's very different from the racially tense atmosphere I grew up in. Once, early in my career, I was visiting home and met with another black classmate who had also joined the Air Force.

We talked about the Air Force and after a while and then I asked him, "Did you notice the difference?"

He said, "Yes, definitely."

I didn't have to explain to him the context of what I meant. The difference in racial tolerance between what we were experiencing in the Air Force versus what we had experienced growing up in southwest Georgia was evident.

Does this mean the Air Force has no further work to do in the area of racial reconciliation? No, sadly it is an area in which we must always remain diligent.

We bring in people from many different backgrounds and cultures. Some come in with social prejudices that are not compatible with our core values. We must continue to educate our Airmen on the meaning of racial equality and equal opportunity and we must never tolerate deviance from the standard we have set.

Our Air Force is much more diverse than when I joined it 30 years ago. I enjoy talking with Airmen from many different cultures. We have so much we can learn from one another. I hope all of you will take the time this month to look around and celebrate our Air Force diversity.

(Lt. Col. Lonnie Hammack is the deputy commander of the 21st Mission Support Group)

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technologies to support strategic deterrence, conventional strike and rapid space response. The rocket motor is designed with similar requirements of the Peacekeeper Stage 2 motor but includes a longer case, do-

mestic composite case materials, and an electro-mechanical TVA system.

"This stage is a significant improvement over currently fielded systems," said Tyler Evans, Aerojet Rocketdyne vice

president, Rocket Shop defense advanced programs. "The application of this advanced design, using affordable materials and subsystems provided by our strong industrial base partnerships, will reduce fu-

ture acquisition program costs and improve system reliability. These technologies are relevant across all Air Force and Navy missiles, whether for strategic deterrence, prompt strike or other applications, and they are

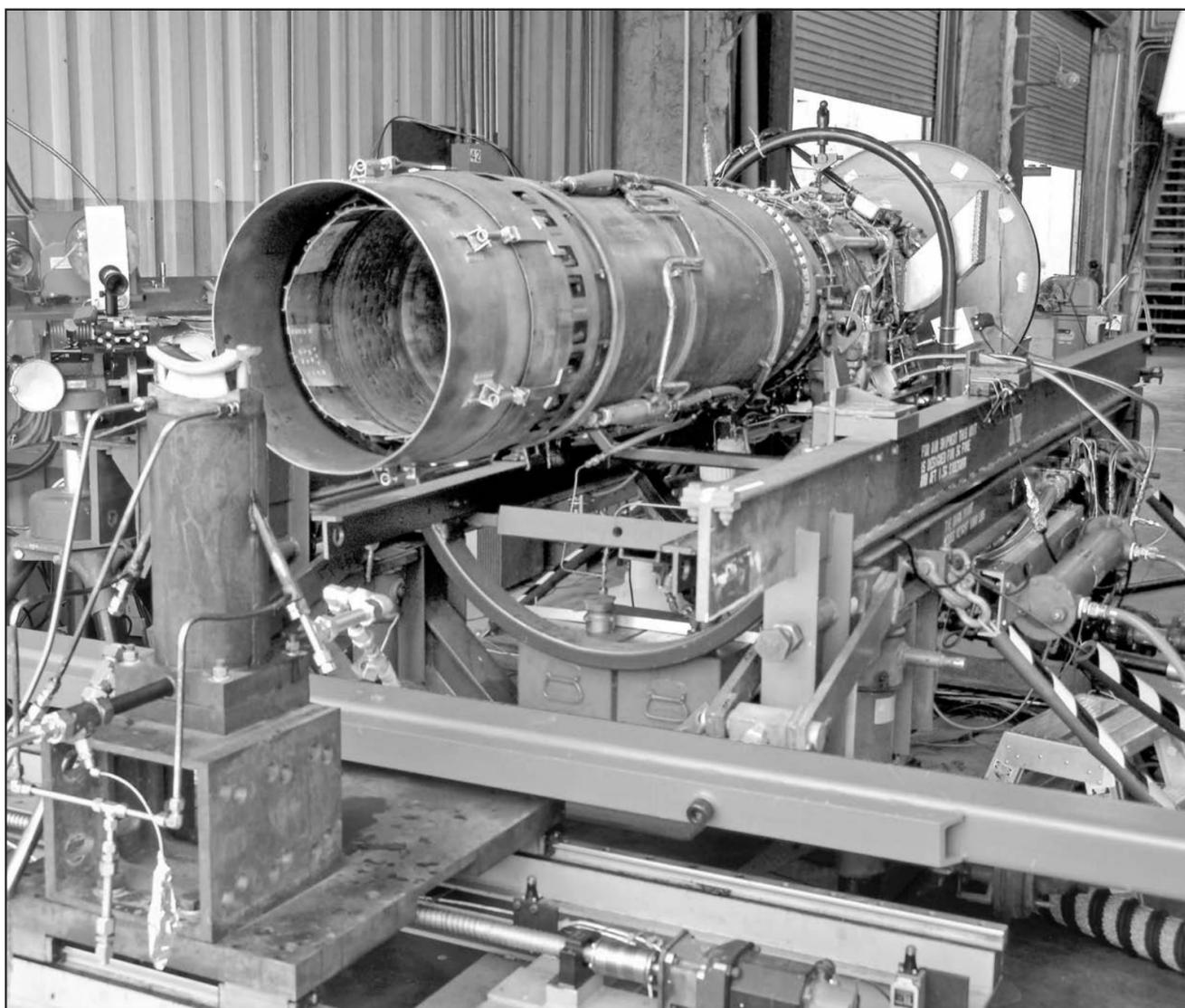
key to sustaining the needs of the nation's warfighters."

The LCS2 motor can be used for other vehicle applications such as an upper stage for space launch and target launch vehicles.

### TEAM from page 1

mounted on a water-cooled stand. The camera viewed the surface of the coated vane and recorded two images of luminescence decay at different times after each laser pulse.

The second phase demonstrated an optical-probe that was inserted into the water-cooled mount to within an inch of the vane surface. This approach simulated insertion of the probe into the turbine section of an engine. The laser beam was transmitted through an optical fiber into the probe and focused onto a single spot on the vane surface. Optical fibers mounted around the laser fiber collected and transmitted the thermographic luminescence radiation to a photomultiplier located in the control room about 50 feet from the engine. The fast response silicon detector recorded the temporal luminescence decay for each laser pulse. For both imaging and point measurement techniques, the temperature was deduced from the temporal decay; two images displaced in time for the imaging technique, and the continuous decay signal recorded for the single point probe technique. An eight micron-wavelength pyrometer system was used to independently monitor the temperature of the vane surface during both phases



Thermographic phosphor techniques were demonstrated in the exhaust flow of an AEDC J85 afterburning engine at the University of Tennessee Space Institute Propulsion Research Facility. This photo shows the test article mounted behind the J85 engine. (Photo Provided)

of testing.

Jeff Eldridge, the NASA Glenn Research Center project manager for the test, expressed appreciation for the excellent support provided

by the ATA Technology staff and praised the J85 PRF as a great environment for research, particularly for transitioning laboratory technology to engine test maturity.

NASA successfully demonstrated the TGP temperature imaging technique under pseudo-realistic engine conditions as well as a fast response, engine-insertable

temperature probe that may be suitable for direct measurement of rotating blades' temperatures. Eldridge stated, "The combination of a unique test facility with excel-

lent support makes testing at the Propulsion Research Facility a great value. Based on our experience, I hope we have an opportunity to test again in the future."

# Camille Hazeur speaks about civil rights in America

Please join the University of Tennessee Space Institute on February 19, at 10 a.m. for the annual black history celebration. The speaker, Ms. Camille Hazeur, will speak about "Civil Rights in America." Hazeur currently serves as the Director, Departmental Office of Civil Rights, Office of the Secretary, U. S. Department of Transportation where she is the designated

advisor to the Secretary of Transportation on civil rights matters.

A native of Mobile, Alabama, Hazeur grew up during the height of the civil rights movement. It is those experiences that helped shape her career of working on issues of equity and how those issues of difference impact on teaching and learning.

Hazeur has spent a majority of her 30-year career working in aca-



Camille Hazeur

demia. She has developed and implemented programs that help campuses better under-

stand their rights and responsibilities by providing an atmosphere that allows an individual the ability to learn and work in an environment free from discrimination. Hazeur has served at Bates College, George Mason University, Trinity University and at the University of Tennessee, Knoxville (UT). While at UT, Hazeur received two grants from the U.S. Department of

Education's Fund for the Improvement of Postsecondary Education (FIPSE). The first FIPSE grant was used to develop a CHANGE MODEL©, which is a long-term group facilitation program that provides faculty, staff and/or students with the opportunity to confront problems and formulate solutions inherent in diverse communities. The second FIPSE grant enabled

Hazeur and a colleague to produce a video series to accompany the CHANGE MODEL© program and has been viewed now by over 100 faculty and staff at UT.

The program will include special music and a reception following. The event is free and open to the public. Please contact UTSI Human Resources at (931) 393-7226 for additional information.

## January Blood Drive winners announced



The American Red Cross's January two-day blood drive was a success with 45 employees donating, exceeding the Red Cross goal and resulting in 134 potential lives saved. Participating donors were registered to win \$25 gas cards provided by the American Red Cross – one for each day of the drive. Left to right: Emily Fair, a Comprehensive Occupational Resources (CORE) medical technician and a blood drive coordinator for ATA, presents a gift card to Douglas Ratliff, an ATA Flight Systems Acquisition Engineer. Michael Sain, an ATA Precision Measurement Equipment Laboratory (PMEL) instrument technician, receives a gift card from Lana Butaud, a Red Cross representative.

## SecAF outlines top focus areas to improve ICBM career field

By Staff Sgt. David

Salanitri

*Air Force Public Affairs Agency, Operating Location - P/*

**WASHINGTON (AFNS)** -- Throughout the next 60 days, senior Air Force leaders will re-examine the way ahead for the Air Force's nuclear mission.

Secretary of the Air Force Deborah Lee James addressed members of the Air Force Association Jan. 29, in Arlington, Va., giving an update on her recent visits to four Global Strike Command bases – F.E. Warren Air Force Base, Wyo., Malmstrom AFB, Mont., Minot AFB, N.D. and Barksdale AFB, La.

During her visits, James, along with Air Force Chief of Staff Gen. Mark A. Welsh III and Chief Master Sgt. of the Air Force James A. Cody, met with Airmen in small focus groups and larger town halls.

"Early on, I knew I would want to visit our nuclear Airmen," James said. "No mission is more important. Our Airmen are entrusted with the most powerful weapons on earth."

James described her recent visits as insightful, coming away with seven key focus areas

she and other senior leaders will assess over the next two months.

Tackling these areas over the next 60 days will provide the Air Force a way ahead, complete with an action plan, she said.

Focus areas include:

**Systemic problems**

– "We do have a systemic problem," James said. "The need for perfection has created way too much stress and fear about the future."

James said Airmen who conduct the ICBM mission feel the system is overly "punitive" and there's a level of micro-management she feels "should be transformed to empowerment."

**Training vs. testing**

– "We may have lost within this team the important distinction between training and testing," James said, in regards to the number of monthly tests missile officers have to pass to stay qualified.

"When you're talking about the idea of training, it's learning," she said. "In this environment, everything was a test and perfect scores had become an important gauge, and in some cases the only gauge of allowing commanders to differentiate among Airmen. I think

this is wrong. We need to address this. Instead of making the test 100 percent make it or break it ... we need to look at the whole person concept ... with tests being an element."

**Accountability**

– "We have to have accountability at all levels, and there will be," James said. "We're also looking at leadership."

**Career field development**

– "We have to look at profession and leadership development," she said. "We need to look at training – we have to ask ourselves if these Airmen are getting the right leadership training; are they getting professional mentorship; what about their career path opportunities?"

"We need to work to make this career field something young Airmen want to do, and aspire to do," James said.

**Core value campaign**

– "Airmen need to understand that being a good wingman does not mean protecting others that lack integrity," James said. "Airmen have the responsibility not only to act with integrity ... but also report the wrongdoing they see. We need to go back to some basics here."

**Career field incentives**

– "We need to examine the incentives, the accolades, the recognition that is available to the nuclear force," she said. "We have to ask ourselves 'Should we take steps to make this career field more attractive?'"

She said this includes both officer and enlisted, and that incentive pay and medals are being taken under consideration.

**Investments**

– "We need to look into other types of investments," James said. "We need to put our money where our mouth is," which includes increasing manning levels and higher priority of military construction for Global Strike Command's aging facilities.

While optimistic, the secretary said she firmly believes that with challenges comes opportunity.

"Continuing to strengthen our nuclear enterprise is a top priority for me," James said. "This mission is essential to our security and the security of our allies and partners. It remains safe, secure and reliable. I'm very confident of that."

# “Why I chose AEDC”



Carrie Reinholtz  
Development Manager, Space and Missile Program  
Hired as an ATA intern in 2006; DOD hired in 2009

I came to find out about AEDC through fellow graduate students and professors at Vanderbilt University. I wanted to get some hands on work experience while I was finishing up my Master's degree at Vanderbilt and luckily landed an internship with the operating contractor at AEDC. The amount of technical expertise, unique ground testing capabilities, and diverse engineering portfolio that AEDC encompasses was inspiring and addicting. During my time with the ATA contractor and transitioning to a civil service employee in 2009, I've had the opportunity to be involved in many aspects of AEDC, from non-intrusive measurements in wind tunnels and multi-million dollar facility and capability upgrades, to advancing technologies for future weapons systems and establishing a brand new space test capability at AEDC. To know that the work that we do at AEDC brings a positive impact to our national security through our warfighters, makes for a fulfilling and rewarding career. I'm proud to be a member of the "AEDC family!"

Sometimes I actually think that AEDC chose me. While still in college working on my Master's degree, I attended a career fair where this gentleman kept going on and on about this base that contained 16-foot supersonic wind tunnels, space simulation chambers and capabilities of testing fighter jet engines. During his presentation, I imagined a place of this capacity being located in some far off land. How surprised I was to discover that the world's largest ground testing facility was only about an hour drive away. Since coming to work at AEDC, I have been afforded opportunities that would have never been given to a young engineer at other places. Every day presents a new and exciting adventure. I have met some of the most brilliant and innovative thinkers in many different technical fields, all working within these gates of AEDC. I look forward to an exciting, fun-filled career here at Arnold AFB.



Art Walker  
Project Manager, DoD Test Systems  
Sustainment Branch  
Hired 2010

After working several internships through college, I discovered that joy and fulfillment in the workplace would come through great co-workers and meeting a need! AEDC is an important piece of the puzzle when looking at the development of America's aerospace capabilities and the individuals that make up the AEDC workforce are second to none. Though I do not work directly with AEDC's testing program, I find it rewarding to be a part of the AEDC family. I work in Civil Engineering and split time between project development/management and base-wide energy management. I lead design teams, manage construction efforts, track energy consumption, and determine efficient ways to save energy at Arnold AFB. I find it both an honor and privilege to work at Arnold and I thank God for the opportunities that have been given to me while I am working here!



Nick Hibdon  
Mechanical Engineer, Civil Engineering  
Hired 2011



# Training at Tuskegee: Turning dreams into reality

By Randy Roughton  
Air Force News Service

**TUSKEGEE, Ala.** (AFNS) – Words from the Air Force’s first African American general catch the attention of visitors to the Tuskegee Airmen National Historic Site, giving them an idea of the pride pilots felt for their flight training here, particularly the first time they took the air alone.

“After the last landing, the instructor took his parachute out of the rear cockpit, and told me to take it up alone,” said Gen. Benjamin O. Davis Jr., then a captain, about his solo flight.

“This was what I had been waiting for. Up until this moment, he had watched my every move, but I had not received any real indication about how I was doing. Now I knew that he approved. I took it up and went over some of the maneuvers I had performed under his instruction. It was my airplane.”

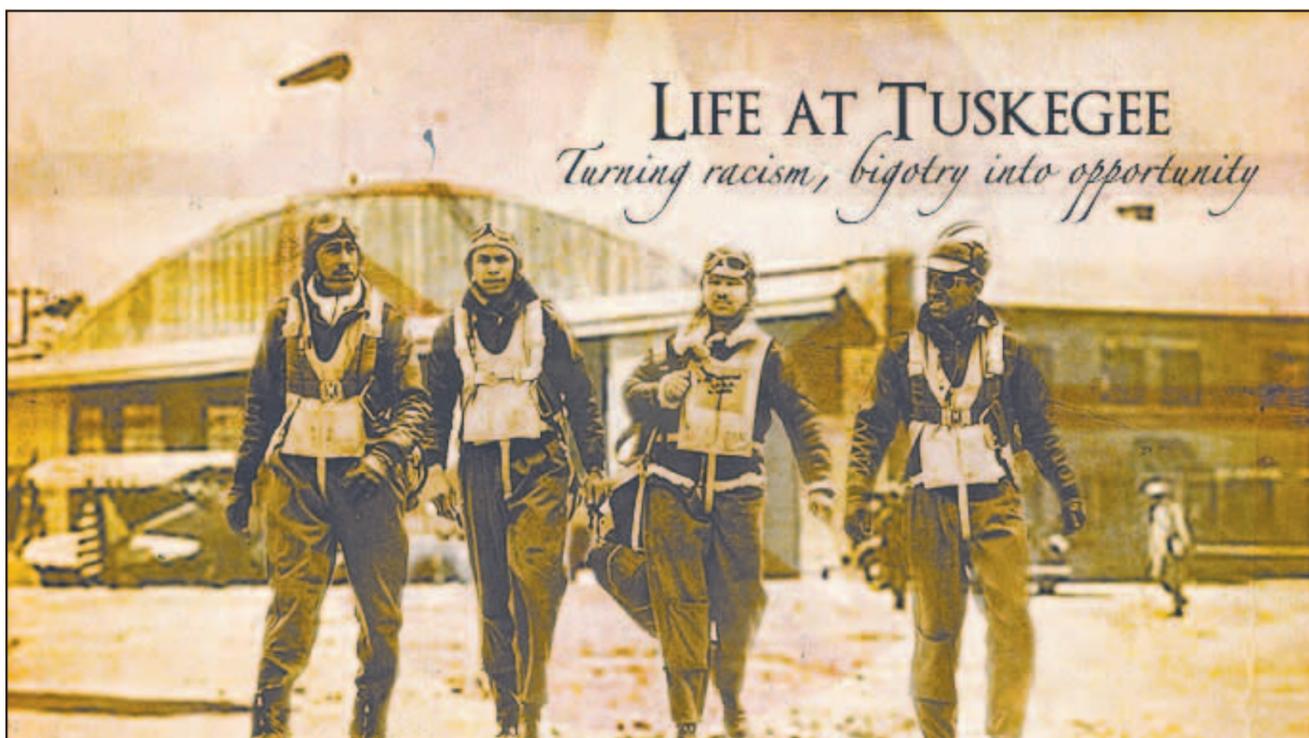
Dr. Daniel L. Haulman is the branch chief for the Air Force Historical Research Agency at Maxwell Air Force Base, Ala., who believes there are four factors the Army considered when choosing Tuskegee as the training site for African-American pilots.

Those factors were the area’s temperate climate, the fact that segregated squadrons would be more accepted in the South, the university’s educational reputation and history, and that it already had a civilian pilot training program,

Another driving force was George L. Washington, an engineer and director of mechanical industries and the Tuskegee Institute Division of Aeronautics, who was instrumental in bringing the primary flight training program to Tuskegee. He oversaw the construction, outfitting and expansion of Moton Field, and as general manager, he hired and supervised flight instructors, airplane maintenance personnel, and other support personnel, and ensured that cadets were properly housed and fed. While the Army looked at the training of African American pilots as an experiment, Washington didn’t see it that way.

“Acceptance of Negroes into the Air Corps for training as military pilots meant one thing for the Negro and another to the military establishment, and possibly white Americans,”

Washington wrote in his unpublished papers that are kept in the Tuskegee Uni-



(U.S. Air Force graphic/Corey Parrish)

versity Archives. “For the Negro, it was an opportunity to further demonstrate his ability to measure arms with any other race, particularly white Americans, when given an equal opportunity. Performance in civilian aviation had certainly proven their ability to fly as individuals. And certainly this had to be the prime requisite for success in military aviation. Therefore, this was just another in the long chain of demonstrations over many years. Certainly this opportunity was far from being an experiment to the Negro.”

The first Civilian Pilot Training Program students completed their training in May 1940. Two months later, Tuskegee Institute became the center of the Civil Aeronautics Authority’s secondary training program. By late November, the War Department sought to use the institute’s civilian pilot training secondary courses as a steppingstone into the Army Air Force’s basic flight course, and Tuskegee Institute was offered a contract in February 1941 to train African American pilots.

Airport 1 would be Kennedy Field, which was no more than a sod runway with a few buildings for aircraft and refueling equipment. Kennedy became most known for Charles A. (“Chief”) Anderson’s famous flight with first lady Eleanor Roosevelt in 1941. But the program’s chief instructor meant much more to the many Tuskegee Airmen he trained.

Tuskegee Institute recruited him in 1940 to be the chief civilian flight instructor for African American pilots. Anderson developed a pilot training program and

taught the first advanced course, and in June 1941, the Army named him the ground commander and chief instructor for cadets in the 99th Pursuit Squadron, the nation’s first African American fighter squadron.

To many Tuskegee Airmen, Anderson, who died in Tuskegee in 1996, will not only always be “Chief.” For them, he was also “the beginning” of their journey into military flight.

“Chief pilot wasn’t just a position in the staff we were operating,” said Roscoe Draper, who joined Anderson as an instructor in 1942. “It was also an honorary position in our hierarchy. He was considered the coach of the pilots.

“I will always feel I owe him an awful lot, the way he opened doors for me. Chief Anderson opened doors we never could have approached otherwise.”

Airport 2 was Moton Field, which was still under construction when the first class arrived for primary flight training on July 19, 1941, so Davis and his 12 fellow cadets began training at Kennedy Field. The field, located four miles north of Tuskegee, had no paved runways, as it does today. Now, it’s the site of the city’s municipal airport

and the Tuskegee Airmen National Historic Site.

About five and a half miles northwest of the campus was the third airport, Airport 3, the Tuskegee Army Air Field, where all of the basic, advanced and fighter transition phases of flying training were conducted. The first class began training in the basic phase on an incomplete field on Nov. 8, 1941.

Cadets had to pass four phases of training to receive their wings. During primary flight training, cadets spent half the day in classrooms learning the theory of flight, physics, navigation, radio procedures and aircraft recognition, as well as academic subjects.

Early on, cadets trained in Stearman PT-17 and PT-13 biplanes and PT-19 monoplanes at Tuskegee Institute and at Moton Field. It was later moved from the campus to Tuskegee Army Air Field, and the length of the phase increased from four to 10 weeks by May 1944. Cadets learned how to use checklists, stalls and spins, acrobatic maneuvers, and parachute and bail-out instructions, in addition to making 175 landings during this phase.

After completing primary pilot training, cadets

moved to the Tuskegee Army Air Field, the first and only major base built for the basic and advanced phases of military flying training for African-American pilots, as well as the first major base built by a black construction company, for the next three phases.

In the basic phase, cadets flew in the BT-13 trainer and learned military flying techniques, how to fly by instruments, day and night flight and cross-country and formation flying in about 70 to 75 hours of flight time. This phase was increased from nine to 10 weeks in May 1944.

Advanced training transitioned the pilots from the single-engine trainer to fighter aircraft, the AT-6A Texan. Following this phase, they were given advanced transition training from the AT-6 to the P-40 Warhawk or the twin-engine AT-10 Wichita trainer for pilots who would be flying B-25 Mitchell bombers. Instructors were especially crucial in the advanced phase. Surviving Tuskegee Airmen often refer to their instruction as what could “make or break a cadet.”

After primary training, cadets moved on to basic and advanced flight training at Tuskegee Army Air

Field, about seven miles from Moton Field. The field was the first and only major base built for the basic and advanced phases of military flying training for African American pilots. It was also the first major base built by a black construction company.

Here they learned ground operations, take-offs, turns, climbs, aerobatics, descents, landings, and emergency procedures before they were expected to successfully complete their solo and cross-country flights before graduating from primary flight training.

By the end of World War II, close to 1,000 pilots had been trained at Tuskegee, along with close to 16,000 other troops in support roles such as mechanics, admin, cooks parachute riggers and air traffic controllers. Military training at Tuskegee ended in 1946, and on July 26, 1948, President Harry S. Truman signed Executive Order 9981 ending segregation and racial discrimination within the armed forces. Dr. Haulman believes the end of segregation in the military was a direct result of the great “experiment” that proved African Americans could train, fight and fly as well as their white counterparts.

# DOD to mandate documentation for lost, stolen CAC cards

By Army Sgt. 1st Class  
Tyrone C. Marshall Jr.  
American Forces Press  
Service

**WASHINGTON, D.C. (AFNS)** -- Later this year, the Defense Department will begin fully enforcing a previously optional policy regarding the reissuance of lost or stolen common access cards, a defense official said here today.

Sam Yousef, a program manager for identity and benefits policy at the Defense Human Resources Activity, discussed an update to the current CAC issuance policy during an interview with American Forces Press Service and the Pentagon Channel.

"Beginning in late March (or) early April of this year, we are going to begin fully enforcing current common access card policy, which will require individuals to bring supporting documentation if they have had their ID cards lost or stolen," he said. "If you have your card lost or stolen, you should work with your local security office or the individual sponsoring you for that ID card."

People requesting a replacement card will need to produce a document on component or agency letterhead that explains that the card has been lost or stolen, he added. Yousef noted the document should be signed, and individuals must bring it with them to have a new card issued.

"If the card has been stolen they may also bring in the police report that accounts for that," he added. "This will not only get the department in full compliance with our policy, but it will also create better accountability for individuals who have had their cards lost or stolen."

Though this has been a part of the current policy, Yousef noted, it was not mandated at CAC card-issuing locations.

"Previously, in the last couple of years, we have actually updated the system to capture this documentation on an optional basis," he said. "So what will happen in late March (or) early April is it will be required as part of that reissuance to bring supporting documentation with you."

The supporting doc-

umentation will be scanned and stored in the Defense Enrollment Eligibility Reporting System, he added.

This will affect all common access card-eligible individuals, both military and civilian, Yousef said.

In addition to being an additional security precaution, Yousef said this measure will help to prevent people from replacing their cards just as a matter of personal convenience.

"It creates better awareness with our lo-

cal security offices (and our individuals that are sponsoring our contractors for common access cards," he said. "So this way, they have full oversight if someone is losing multiple ID cards."

Following the update in requirements

this spring, Yousef emphasized, it will be important for people to ensure they bring this documentation with them to have a card reissued, noting that most ID card-issuing sites already have been requiring it for quite some time.



**2014  
AEDC  
FELLOWS**

**Nominations  
due by  
March 28**

Nominations are currently being accepted for the 2014 AEDC Fellows Program. Nominations must be submitted in written form with supporting materials to: AEDC/CZ, 100 Kindel Drive, Suite A327 Arnold AFB, TN 37389-1327.

For information, including the format for AEDC Fellows nomination submissions, contact the AEDC Chief Technologist Office at (931) 454-6505.



**WORLD WAR II &  
KOREAN WAR VETERANS  
HONOR FLIGHT  
to Washington, D.C.**

**Saturday, May 10, 2014**

**DONATIONS TO:  
HONOR FLIGHT OF MIDDLE TENNESSEE  
P.O. BOX 1926, TULLAHOMA, TN 37388**

**FOR ADDITIONAL INFORMATION  
AND/OR AN APPLICATION, CONTACT:  
Sergeant Major Larry E. Williams,  
United States Army/Retired  
(931) 924-3000 or 224-3226  
tennesseans2@blomand.net**

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

Check us out on Facebook! Arnold AFB Services Golf Course

Winter Green Fee Special through Feb. 28, \$10 green fee for unlimited golf. Cart fee not included.

Hot dogs available in the Pro Shop Monday through Friday. These hot dogs are placed on the roller in the Pro Shop for your convenience. The hotdogs are \$1 each.

Mulligan's Grill is open 10:30 a.m. to 1:30 p.m. Monday through Friday and 8 a.m. to 1 p.m. Saturday and Sunday. Call ahead orders for dine in or carry out, 454-FOOD (3663).

**Arnold Lakeside Center(ALC)**  
454-3350

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

Check out New Select Saturday Movie Nights at ALC. In addition to the family friendly movie nights on Thursdays at the ALC, we are pleased to offer a Saturday movie in The Landing bar for a more mature audience on select nights. While some of the movies may be rated PG-13, many of them will be rated R and because they are shown in the bar

## Hours of operation

**Arnold Lakeside Center:** Catering/Management offices by appointment. Operations Clerk Monday- Friday 7:30 a.m.-4 p.m. Dinner: full menu available Thursday 5-8 p.m., Friday and Saturday 5-9 p.m.; Main Bar Thursday 5-8 p.m., Friday 4-10 p.m. and Saturday 5-9 p.m.; Social Hour Friday 4-6 p.m., Movie Night Thursday 6:30 p.m.

**Information, Tickets & Travel (ITT):** Office at Arnold Lakeside Center - Tuesday through Friday 10 a.m. – 3 p.m. except for Tuesday and Wednesday remote office in Café 100 10:30 a.m. – 1 p.m.

**Café 100:** Monday through Friday 6:30 a.m. – 1 p.m. Lunch starting at 10:30 a.m.

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

**GLC (office located at Arnold Lakeside Center):** Monday through Friday 7:30 a.m. – 4 p.m. May vary depending on bookings.

**Outdoor Rec:** Tuesday through Saturday 10 a.m. – 5 p.m.

**Fitness Center:** Monday-Friday 5 a.m.-7:30 p.m.; Saturday 8 a.m.-1 p.m.; Sunday Closed. **OPEN Dec. 24: 8 a.m.-4 p.m.- no classes**

**Arnold Golf Course:** Pro Shop & Driving Range 8 a.m. – 4:30 p.m. Closed during inclement weather. Driving Range open 24 hours with prepurchased key card. Mulligan's Grill Monday through Friday 10:30 a.m. – 1:30 p.m., Saturday and Sunday 8 a.m. – 1 p.m.

**Recycling:** Monday through Friday 6 a.m. – 2:30 p.m.

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

**Nonappropriated Funds Human Resources:** Monday through Friday 7:30 a.m. – 4 p.m.

(unless otherwise noted), these movies are intended for adults (age 18 and over) only. For complete movie details, including Thursday family movies, please see our movie section. Both Thursday and Saturday movies begin at 6:30 p.m. and dinner is available from 5-8 p.m. on Thursdays and 5-9 p.m. on Saturdays.

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

**March 6** – “Thor: The Dark World,” rated PG-13 (1 hr. 52 min.) starring Chris Hemsworth, Natalie Portman, and Tom Hiddleston. When Jane Foster is possessed by a great power, Thor must protect her from a new threat of old times: the Dark Elves.

**March 13** – “The Hunger Games: Catching Fire,” rated PG-13 (2 hr. 5 min.)

starring Jennifer Lawrence, Josh Hutcherson, and Liam Hemsworth. Katniss Everdeen and Peeta Mellark become targets of the Capitol after their victory in the 74th Hunger Games sparks a rebellion in the Districts of Panem.

**March 20** – “Saving Mr. Banks,” rated PG-13 (2 hr. 24 min.) starring Emma Thompson, Tom Hanks, and Annie Rose Buckley. Author P.L. Travers reflects on her childhood after reluctantly meeting with Walt Disney, who seeks to adapt her Mary Poppins books for the big screen.

**March 27** – “The Hobbit: The Desolation of Smaug,” rated PG-13 (2 hr. 41 min.) starring Ian McKellen, Martin Freeman, and Richard Armitage. The dwarves, along with Bilbo Baggins and Gandalf the Grey, continue their quest to reclaim Erebor, their homeland, from Smaug. Bilbo Baggins is in possession of a mysterious and magical ring.

Rated “R” movie nights are select Saturdays in The Landing with movie start time of 6:30 p.m. This movie night is for adults only. Attendees must be 18+.

**March 1** – “Riddick,” rated R (1 hr. 59 min.) starring Vin Diesel, Karl Urban, and Katee Sackhoff. Left for dead on a sun-scorched planet, Riddick finds himself up against an alien race of predators. Activating an emergency beacon alerts two ships: one carrying a new breed of mercenary, the other captained by a man from Riddick's past.

**March 8** (in the Four Seasons room) – “The Family,” rated R (1 hr. 51 min.) starring Robert De Niro, Michelle Pfeiffer, and Dianna Agron. The Manzoni family, a notorious mafia clan, is relocated to Normandy, France under the witness protection program, where fitting in soon becomes challenging as their old habits die hard.

**March 15** – “Delivery Man,” rated PG-13 (1 hr. 45 min.) starring Vince Vaughn, Chris Pratt, and Cobie Smulders. An affable underachiever finds out he's fathered 533 children through anonymous donations to a fertility clinic 20 years ago. Now he must decide whether or not to come forward when 142 of them file a lawsuit to reveal his identity.

**First Friday Jam Night March 7 at Arnold Lakeside Center.** 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. First Friday Jam is a very informal, stress-free, and kid friendly environment. If you would like to sing or play an instrument, please contact Jim “JJ” Jolliffe at [jajolliffe@aol.com](mailto:jajolliffe@aol.com) to get on the schedule, or simply show up with your instrument and/or singing voice. Room will be made for

anyone wishing to perform. Dinner is available at the ALC from 5-8 p.m.

Arnold Lakeside Center will host a **Members Only Texas Hold ‘em Mini Tournament** every **Thursday** night that begins March 6 and lasts through May 22. Play will begin at 6 p.m. in The Landing bar. There is no cost to enter but all players must be age 18 or older. Players will be divided evenly among tables in random draw placement each week. The number of tables will be determined by the number of participants each week. Tables will be responsible for the deal at each table. Prizes will be given to the top two winners each week. First place wins \$20 Services bucks, second place wins \$15 Services Bucks, and third place wins \$10 Services bucks. Dinner is available every Thursday from 5-8 p.m.

See **BRIEFS**, page 11



**BRIEFS from page 9**

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

**Brushes and Bottles** will be held 6-8 p.m. at the GLC March 13, and again 6-8 p.m. at the GLC March 27. Bring your favorite beverage and get ready to get creative as an instructor will lead you through a canvas painting work of art step-by-step. By the end of the evening you will have your own masterpiece to take home. These painting parties are for all skill levels ages 21 and over with a cost of only \$25 per person. All paint, brushes, aprons, easels, canvas and other necessary materials will be provided. All you have to bring is your beverage of choice. Light snacks will be provided and other beverages will be available for purchase. Deadline to sign up for this event is March 7 and March 21. Class size is a maximum of 15. Call 454-3350 to sign up or for more information.

Arnold Lakeside Cen-

ter will host a free **Spring Fling Family Fun Daze** event on March 22. This event is open to all ages, where families will compete in events such as a frozen t-shirt contest, bed sheet ping pong, the quiet Olympics, feather blow, and a bean bag relay. A pizza buffet with iced brownies for dessert will be set up for guests to enjoy. The fun starts at 10 a.m. and ends at 2 p.m. You won't want to miss out on this family fun day! Call 454-3350 for more information or to reserve your spot.

**Last Friday Trivia** starts at 6:30 p.m. March 28 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.

**"3rd Day Free" ticket special offer for Universal Orlando** brought to you by ITT (Information, Tickets and Travel) at Arnold Lakeside Center. The 2-Day Base with 3rd Day Free Ticket entitles one guest admission to one theme park per day. Ticket is valid for any three calendar days during a 14 consecutive calendar day period which includes the first day any portion of the ticket is used. This ticket also includes 14 consecutive calendar days of admission to the paid entertainment venues of Universal City Walk which commences and includes the first day any portion of the ticket is used. First use of this ticket must be on or before May 9 to receive full benefit of the ticket entitlements. All ticket us-

age must be completed on or before May 22 when the ticket will expire in full. For complete details and to order tickets, call ITT at 454-4003.

**Barber Shop** is located in the A&E Building in room A107 and is open Monday, Tuesday, Thursday and Friday from 8 a.m. to 4 p.m. Haircuts are \$8 and are by appointment. Call 454-6987.

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### Café 100 454-5885

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**New menu items** in Café 100: Try one of the new offerings brought to you by Café 100. The Philly steak or Philly chicken sandwich is \$6.50 and the Greek salad is \$4.50.

**Daily \$6 specials** in Café 100: Every Monday is Lasagna served with salad, garlic bread, and drink. Every Wednesday is Pulled Pork BBQ sandwich served with slaw, choice of chips or potato salad, and drink.

**Café 100 Soup of the Day.** Warm up with one of our daily soup selections. Monday: Chicken Noodle Tuesday: Loaded Baked Potato Wednesday: Broccoli Cheddar Thursday: Vegetable Barley Beef Friday: Tomato

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### Fitness Center(FC) 454-6440

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

**Fitness Center equipment demo** March 19 in Café 100 from 11 a.m.-noon. Stop by the café and have a member of the

Fitness Center staff share equipment demonstrations and exercise routines. Call 454-6440 for more information.

**Group Class Schedule:** (for eligible users only)  
Cycling: Tuesday and Thursday 11a.m.-12 p.m.  
Yoga: Monday and Wednesday 11 a.m.-12 p.m.  
Interval/Circuit Training: Monday, Wednesday and Friday 6-7 a.m. Tuesday and Thursday 3:30-4:30 p.m.

If you want more options for classes, then try the **Fitness on Request (FOR) kiosk.** The kiosk provides virtual instructors leading exercises in areas such as Vibe Dance, Fusion Mind Body, Fit for Duty, Rev Cycling, TKO Kickboxing, Stomp Step and Kinetics. FOR can accommodate individuals or groups and is available any time during regular hours. Ask about kiosk orientation and scheduling.

The Fitness Center is hosting a **Pot 'O Gold Fun Run on March 20.** Participants must complete two laps around the Fitness Center trail anytime during normal duty hours. The first 25 to sign up receive a free t-shirt. Call 454-6440 for more information or to sign up.

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### Outdoor Rec (ODR) 454-6084

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

**Winter Rates now available at FamCamp.** RV sites at FamCamp will be \$12 per night, and \$300 per month, and tent sites will be \$4 per night. These rates will continue through May 1.

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

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

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

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

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### Wingo Inn 454-3051

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

If you have **family and friends visiting** and need extra space then call Wingo Inn. Reservations for Wingo Inn can be made 120 days in advance and room rates start at \$56 per night. Call 454-3051 for reservations and more information.

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### Gossick Leadership Center 454-4003 office located at Arnold Lakeside Center

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

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

## Ascend Federal Credit Union increases number of scholarships for 2014

By Greg Davis

Ascend Federal Credit Union

If you're a member of Ascend Federal Credit Union and you're looking for scholarship money to continue your education, your chances just improved.

Ascend is increasing the number of awards for its annual scholarship program from 10 to 12 this year.

The credit union has offered \$1,000 non-recurring scholarships to its members for the past 12 years. The scholarship is open to any Ascend member who will be attending a college, uni-

versity, technical, or trade school in 2014. Previous Ascend scholarship winners may reapply if they meet the program requirements.

For complete details and to access the application, visit [www.ascend-fcu.org](http://www.ascend-fcu.org). Deadline for applications is March 5.

All family members of Ascend's officials and employees are excluded from scholarship eligibility.

Ascend Federal Credit Union has a financial center on 1611 N. Jackson St. in Tullahoma, on 452 N. Hap Arnold Drive at Arnold Air Force Base and on 1929 McArthur St. in Manchester.

## Help Keep Our Information

# Secure

