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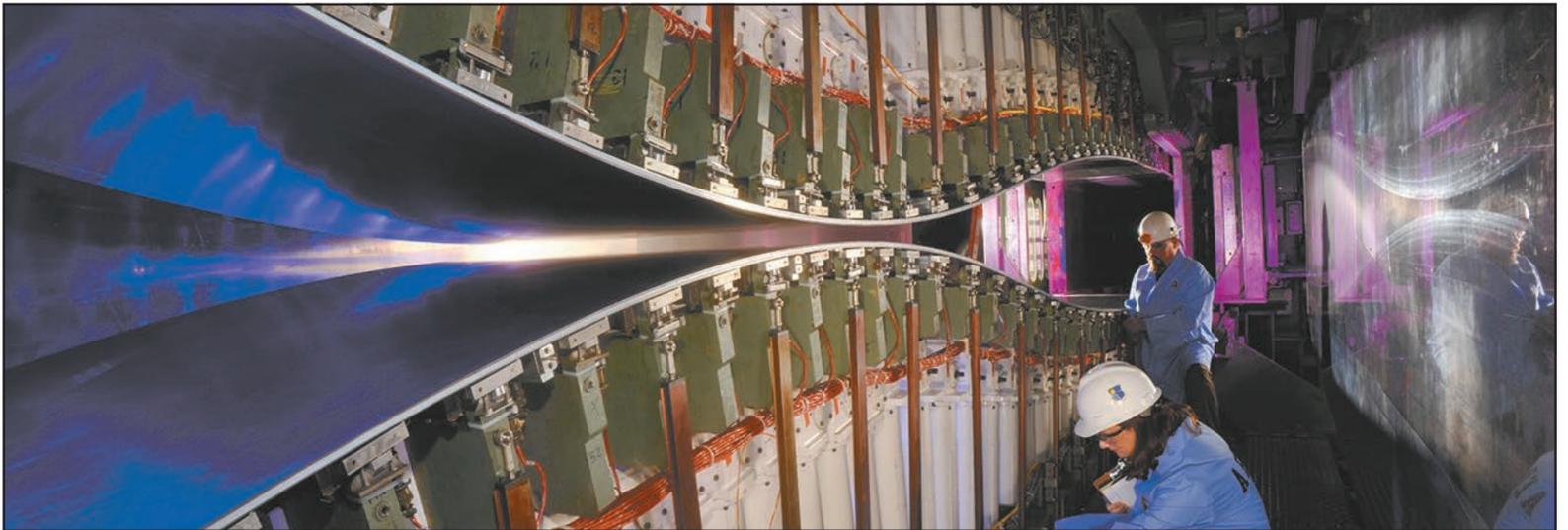
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Employees get a closer look at unique AEDC tunnels



AEDC test engineer, Shannon Tibbals (bottom) and AEDC outside machinist, Greg Crabtree, get an up-close look at a nozzle in the von Karman' Gas Dynamics Facility (VKF). VKF includes Tunnels A, B and C and are unique assets in the United States because they are continuous flow with the ability to sustain maximum speed for several days. Improved performance, productivity and reduced energy consumption are expected as part of a recent upgrade. (Photo by Rick Goodfriend)

Foster promoted to director of contracting



Amy Foster

By Kathy Gattis
ATA Public Affairs

AEDC recently selected Amy Foster to oversee contracts totaling approximately \$300 million annually as the Complex's new director of contracting. The promotion makes Foster the first female ever to serve as director of contracting at AEDC and the first Air Force female GS-15 at the base.

"I sincerely hope Amy is the first of what will be many women to serve at the senior executive

level here at AEDC on both the government and contractor side," AEDC Commander Col. Raymond Toth said.

"What impresses me most about Amy is her dedication, drive and determination to succeed in a business that has been dominated by men here at Arnold for over 60 years. She is imminently qualified, exceptionally skilled and has the leadership qualities that will ensure her and AEDC's continued success," Toth said.

The director of contracting is a

key position at AEDC, especially with the upcoming contract competition and the efforts to standardize processes across the Air Force.

The selection committee didn't waste any time. After a review of resumes, they conducted interviews and Foster was the unanimous choice. "Her previous experience, education and particularly her performance during the interview really made her stand out from the rest of the candidates," Toth continued.

"It is a unique opportunity and

I am honored and humbled to be part of the future at AEDC," she said. "I am grateful to Col. Toth and Dr. Blake for the confidence they have placed in me to my husband, Randy, for his continuous encouragement... they have all been incredible."

Part of her attraction to the job was its uniqueness. "Few other bases are entirely contracted out. The AEDC operating model is unique and that's what makes it

See FOSTER, page 5

AEDC committee to hold African American Heritage Luncheon

By Raquel March
ATA Public Affairs

The African American Heritage Committee (AAHC) will hold a luncheon at the Arnold Lakeside Center on Feb. 21 at 11 a.m. recognizing Black History Month.

The luncheon speaker is Jerry (J.T.) Northcutt, an ATA Quality manager and Management System Branch manager.

"This event recognizes individuals who have made exceptional and distinguished contributions in the community and work place as well as someone who has made a significant impact in such a diverse world," said Fred Rone, AAHC chairperson. "This year we wanted to recognize one of our own, here at AEDC."

Northcutt has been a team member at AEDC for 38 years and has over 28 years of experience in the Quality and Performance Management profession. He is responsible for facilitating the maintenance, continual development and improvement of the ATA Management System as well as being an advisor to the ATA General Manager regarding Management System matters. Northcutt is responsible for planning and monitoring AEDC's ISO 9001 certification processes. Additionally, he was the city of Tullahoma's first black elected official serving three consecutive terms as Alderman from 1993-2002.



Jerry (J.T.) Northcutt

The theme is "Civil Rights in America" and is selected by the Association for the Study of African American Life and History (ASALH) and marks the 50th anniversary of the 1964 Civil Rights Act. The theme emphasizes the actions taken, through movements and individuals, to ensure individuals are recognized as citizens and members of society promoting equal rights for all.

Reservations must be made no later than Feb. 14. Tickets may be purchased by non-Services members for \$11 and by Services members for \$10. AEDC personnel may make reservations at <https://ata.arnold.af.mil/rsvp/>. Cash purchases of tickets may be made by contacting Jackey Gates, 454-4823; Tina Bonner, 454-6804; Sharon Vance, 454-6557; or Fred Rone, 454-4949.



African American Heritage Luncheon theme

AEDC engineers 'Make a Difference' by helping local youth 'discover engineering'

By Raquel March
ATA Public Affairs

AEDC engineers and personnel have volunteered their time, during the past year, to make a difference in the lives of local students by helping them discover engineering.

This experience, "Discover Engineering - Let's make a difference," is the theme of the Engineers Week, Feb. 16-22. During Engineers Week, local engineering society volunteers will continue their support of helping youth discover engineering through multiple events including a MathCounts competition, a student design competition, an Engineer-for-a-Day program and a banquet.

The MathCounts competition is scheduled for 8 a.m. on Feb. 15 at the University of Tennessee Space Institute. Middle school mathletes utilize their skills to answer math questions in "bee-style" contests. Teams include Harris Middle School, Shelbyville; Highland Rim Elementary School, Fayetteville; East Middle School, Tullahoma; West Middle School, Tullahoma; The Webb School, Bell



Andrew Allen

Buckle; and Moore County Middle School, Lynchburg. The winning team will be recognized at the Engineers Week Banquet and will advance to the state competition.

High school teams will participate in the Student Design Competition at the Hands-On-Science Center in Tullahoma on Feb. 18. Tenth through 12th grade students design, build and compete their designs against other teams. The teams will be given kits with identical materials and will have one and a half hours to design, build and test.

See ENGINEERS, page 5

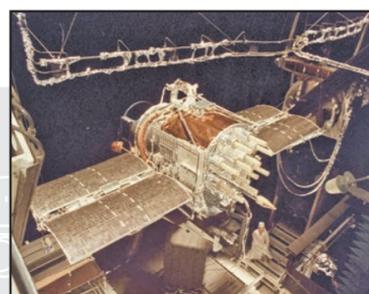
In This Issue....

ATA promotes Moran and Bayer to new leadership roles

...Page 2

AEDC space contributions recognized during Tennessee Space Week, Jan. 26 - Feb. 1

...Page 6



HIGH MACH

Arnold Engineering Development Complex
An Air Force Materiel Command Test Complex

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Core Values

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



Vision

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

Core Values

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

Tunnel 9 ready for the mission in 2014

Team successfully repairs critical infrastructure to continue busy test period

By Dan Marren
AEDC Contributing Writer

Labor day, 2013 took on a whole new meaning when a significant amount of hard labor was required from people across many areas of AEDC to return the White Oak Hypervelocity Wind Tunnel 9 (Tunnel 9) to service for FY2014 after a faulty power cable failed.

The Tunnel 9 test facility is AEDC's highest speed test facility which operates

on one of AEDC's remote operating locations in White Oak, Md. Tunnel 9 is unique in its aerodynamic and aerothermodynamics support for strategic reentry systems, missile defense and space access. As a remote operating location, infrastructure to support the facility operation, and assets that can be leveraged to repair and maintain it, requires special considerations as well as coordination from several organizations.

Tunnel 9 is currently in the midst of a very long test campaign, providing risk reduction and flight anomaly investigation for boost glide concepts in support of the Global Strike mission. Testing has been near or over capacity for quite a while and this trend is anticipated to continue into next year.

During the installation of a new power supply in the summer of 2013, the medium voltage (15 kV) power cable which provides electrical

service was spliced. Soon after the splice was made we began to get low Resistance-To-Ground (RTG) readings on the power cable. Eventually the RTG problem was isolated to the cable run between the splice & the electrical substation. With so much high-priority testing yet to come, the decision was made to replace the entire 15kV power cable and have a highly reliable power source going into flight confidence testing.

Since facility downtime would greatly delay the current customer, the team came together, coordinated and cooperated across the base and with organizations locally in Maryland to minimize impact to the test customer. Talented individuals from contracts, engineering, maintenance and test groups formed a knowledgeable team that saw this important task

See TUNNEL, page 5

ATA promotes Moran and Bayer to new leadership roles

By Raquel March
ATA Public Affairs

With the departure of ATA's Test Assets and Support Department (AM) Director Bart Jones, two management professionals will take on new leadership roles at AEDC.

Lynn Moran, an aerospace engineer and the previous deputy director for AM, will assume the position of director on Feb. 3. Lynn has worked at AEDC for 34 years and served as the AM deputy director for the previous four years. Prior to this assignment she held numerous posi-



Lynn Moran

tions including investments coordinator for the plant operations, propulsion area systems engineer, operations engineer and project manager. Lynn is a Certified Maintenance and Reliability Professional and has served



Debbie Bayer

as president of the Middle Tennessee Chapter of the Society of Maintenance and Reliability Professionals for the last four years.

Debbie Bayer, who has an extensive background in business and computer

software, will assume the AM deputy director position. Bayer has 35 years of experience in information technology in the government and private sector, with almost 30 years at AEDC. She has supported development of traditional business applications, networks, desktop computing and communications services as well as data acquisition, plant controls and high performance computing applications required for the AEDC test mission. In the last few years, Bayer served as chairperson for the ATA Asset Owners Council, as well as acting as the ATA

project executive on Investment Projects with large Information Technology components. She is a Certified Project Management Professional and Certified Maintenance and Reliability Professional and she has a Configuration Management II certification.

Jones accepted a position with the ATA contractor lead company Jacobs Technology as general manager for their Manufacturing Support and Facility Operations Contract at Michoud, La. He worked at AEDC for a collective 18 years in the military and with the contractor.

FOSTER from page 1

fun," she said. "My experience at other bases does help me, though, because I understand how the rest of the Air Force operates. I understand the push toward standardization and will help manage what makes sense to standardize here and what doesn't."

The Franklin County native admits she had an unusual path to this position with lots of twists and turns along the way. Her career didn't begin at AEDC.

"My husband, Randy, and I grew up in Franklin County and left when he joined the Air Force," said Foster.

"We traveled for 20

years as part of his active duty career, but we knew we wanted to return home when there was an opportunity. I had always wanted to work at AEDC and had applied several times, but wasn't selected."

However, in 2006, she received a call from John Sutton, the director of contracting at that time. "I couldn't believe it," she said. "I was so excited! He called me to set up an interview and then later called and told me he had some good news...that I had been chosen as the chief of the Enterprise Acquisition Branch."

As the chief, Foster was responsible for leading a

highly skilled team of professional contracting officers and contract specialists in acquisition planning, negotiation and administration of over 250 research and development, service, supply, construction, utility and commercial test contracts.

In 2013 she became the chief of the Test Range Contracting Branch and led the management and execution of the \$3.2 billion test and operations and support operating contract at AEDC where she managed complex business and contracting issues.

Foster began her career as an intern at Tyndall AFB, Fla. After that, she was pro-

moted to quality assurance program coordinator and later as contracting officer for the \$1.4 billion Air Force Contract Augmentation Program (AFCAP) and follow on \$10 billion AFCAP contract.

The AFCAP provided civil engineering support anywhere in the world from humanitarian aid to support of combat troops and Foster was the contracting officer. "I think this assignment is one that made a big difference in my being qualified for this position (AEDC director of contracting); we touched a lot of people and things and it gave me a wide range of contracting experi-

ence," she said, "but every experience I've had has prepared me for this position."

It was at Tyndall that she learned the basics as a contracting specialist. "I learned the day-to-day skills you need to understand contracting," she said.

As for future goals, she says customer service is at the top of the list. "I want our contracting team to focus on customer service. Our job is to buy services, supplies and construction that support the mission. Since AEDC is entirely contracted, if we don't get our job done right, the mission is impacted."

Foster's promotion ceremony was held Jan. 17th.

Think before you post

By Lt. Col. Patricia Tate
7th Medical Operations Squadron commander

DYESS AIR FORCE BASE, Texas (AFNS) – Have you ever had one of those days that it seems like you are working harder than your coworkers? You made 100 widgets and your coworker has only made 50. So, what do you do when you perceive the workload as unfair? Do you go home and blast your frustrations out on social

media for all to see or do you sit in your duty section and complain about it so all can hear about how unfair it is?

This type of negative energy, that may appear harmless to you, is like a poison on morale in your organization...especially if you are 'friends' with coworkers on a social media site. Yes, everyone is entitled to vent after a frustrating day, but to place your frustrations on a social media site or vent about it in

your work area so all can hear is not conducive to a healthy work atmosphere and it detracts from good order and discipline. There are positive ways to deal with a frustrating day at work without venting about it on social media or negative talk in the workplace.

Changing your attitude to look at things in a positive manner about the situation can change your perspective about work and life. Zig Ziegler said, "Your attitude, not your aptitude,

will determine your altitude." Besides, there may be things going on in your coworker's life that has impacted their ability to produce 100 widgets on that day and you don't have, nor do you need, the intel into such matters. Instead of looking at your coworkers and comparing your job output to their job output, look at yourself in the mirror and ask, "Did I do my absolute best today, not only for the organization, but for myself?"

If there are things that are going on in the organization that frustrate you, speak to your supervisor. There may be changes going on in the organization

that have not been clearly communicated. The main point is, don't blast your frustrations out on social media or discuss them in the duty section because it creates a negative image of the Air Force; it is unprofessional and the words cannot be removed or taken back. There is a time and place to vent, but negative talk leads to poor morale which zaps the focus of where the energy needs to be spent...toward production and job performance. It is in your hands to create the type of workplace where there is positive energy, quality work production and high job performance.

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.

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 sealed 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

Congressman Diane Black staffers visit AEDC



District Director Charles Schneider (2nd from left) and Field Representative Wills Gardner (left), from Congressman Diane Black's office, listen to Sean Smith, the Aerodynamic and Propulsion Test Unit Facility (APTU) program manager, explain the unique APTU test capabilities during a recent visit to AEDC. While visiting AEDC they also attended the Arnold Community Council meeting and toured the Propulsion Wind Tunnel, an Engine Test Facility Sea Level turbine test cell and the Space Threat Assessment Testbed vacuum chamber. (Photos by Rick Goodfriend)



Kathy Gattis (2nd from right), the ATA Public Affairs manager, describes the types of customers AEDC supports when testing in the Propulsion Wind Tunnel Test branch to visiting Congressman Diane Black staffers, Charles Schneider (right) and Wills Gardner (2nd from left).

AFNet PII breaches still a concern

By Maj. Brooke Brander
Air Force Space Command Public Affairs

PETERSON AIR FORCE BASE, Colo. (AFNS) – More than one month after Air Force Space Command's implementation of lock-out procedures for individuals found to have inappropriately transmitted Personally Identifiable Information, PII breaches still remain a significant issue.

While the average number of daily incidences of PII breaches have decreased there is still a lot of work to be done to prevent future PII incidents, said Gen. William L. Shelton, the commander of Air Force Space Command.

"We've all got to work harder to eliminate PII violations," Shelton said.

"In November more than 5,000 individuals were affected by a single PII breach. PII that is not properly protected becomes vulnerable to interception by an adversary. That creates the risk of the information being used to target individual users to gain their credentials and potentially gain access to our networks. From an individual perspective, it can also lead to identity theft. We can't stand the network or the personal consequences, so we must stop PII breaches on the AFNet (Air Force Network)."

During the six month period from May through October the Air Force averaged approximately 3.3 reports affecting 1,935 members per day. Since launching the new policy

and process, that average has dropped to approximately 2.7 reports affecting 991 members per day.

"The most common violations we are seeing are people transmitting personnel rosters from .mil to .com addresses and vice versa," said Col. Douglas Copping, the 67th Cyberspace Wing vice commander, the wing whose mission encompasses the detection of PII breaches. "While quite often these breaches are not of malicious intent, we need to better educate our Airmen on the protection of this type of information."

One tool available for protecting information is provided by the Software Protection Initiative established by the Under Secretary of Defense for Acquisition, Technology

and Logistics in December 2001. The SPI has the mission of marginalizing a threat actor's ability to steal and exploit critical Department of Defense intellectual property found in application software.

Users have multiple tools at their disposal to protect PII if encrypting e-mail is not feasible, but electronic transmission of sensitive PII is operationally required. Users can leverage approved DOD file exchange services through AMRDEC SAFE, file encryption wizards, or simply use Microsoft Office password protection.

"Once personnel understand what information can be sent home and how to protect it, this provides Airmen clear lanes in the road they can follow, and

provides commanders the framework to properly address infractions of those set rules," Copping said.

Continuing force-wide education on the protection of electronic information is a top priority for AFSPC and those responsible for protecting the AFNet.

"We are working with leaders across the Air Force to educate and address PII breaches," said Maj. Gen. James K. McLaughlin, the 24th Air Force commander. "As the technology we use to protect the Air Force Network improves, we have gained better visibility of information crossing through and leaving the network. As a matter of fact, we already detect 100 percent of all pieces of PII crossing through the AFNet. What we're doing now

is making a concerted effort to hold people accountable, helping to ensure all AFNet users are handling this important information properly."

The AFSPC lock-out procedures were put in place based upon AFSPC's responsibility to operate and defend the AFNet and each individual user's responsibilities that comes with access to the network. AFMAN 33-152, User Responsibilities and Guidance for Information Systems, requires special handling for PII data.

AFNet users should contact their unit Privacy Manager as well as refer to Air Force Instruction 33-332, The Air Force Privacy and Civil Liberties Program, for additional information.

B-52 upgrade to increase smart-weapons capacity

By Mike W. Ray
Tinker Air Force Base Public Affairs

TINKER AIR FORCE BASE, Okla. (AFNS) – Tinker AFB Airmen will update ground maintenance and mission planning software in support of a new Air Force contract that will increase the B-52 Stratofortress's "smart-weapons" capacity by 50 percent.

The \$24.6 million agreement stipulates that Boeing will develop a modification to existing weapon launchers so the aircraft can carry smart weapons in the bomb bay, which will enable aircrews to use the B-52's entire weapons capacity.

"With this modification, we're converting the bomb bay from dropping just gravity-type bombs to releasing precision-guided weapons," said Jennifer Hogan of Boeing Communications.

"When you combine that ability with the B-52's unlimited range with air

refueling, you have an efficient and versatile weapon system that is valuable to warfighters on the ground," said Scot Oathout, the Boeing's B-52 program director. "This weapons capacity expansion joins the Combat Network Communications Technology (CONNECT) program, a comprehensive communication upgrade that's being installed on the aircraft, to give the warfighter even more flexibility."

Boeing will produce three prototype launchers for test and evaluation. Initial capability is expected in March 2016, and potential follow-on efforts could add more weapons and allow a mixed load of different types of weapons.

Upon completion of the first phase of the upgrade, the B-52 will be able to carry two dozen 500-pound Joint Direct Attack Munitions or twenty 2,000-pound JDAMs. Later phases will add the Joint Air-to-Surface Standoff Missile, or

JASSM, and its extended-range variant, as well as the Miniature Air Launched Decoy, or MALD, and its jammer variant.

The bomb bay renovation will enable the B-52 to carry all of its weapons internally, thereby increasing fuel efficiency in flight. The modernization work will use parts from existing Air Force rotary launchers repurposed for conventional missions, as well as hardware and software already developed for the wing pylons.

Engineers from the 76th Software Maintenance Group, 557th Software Maintenance Squadron, B-52 Software Avionics Flight here, are modifying the 1760 Integrated Weapon Bay Upgrade, or IWBU Ground Maintenance Computer Program to test out the additional Integrated Weapon Interface Unit being added in the bay location on the B-52 in order to launch additional weapons from the weapons bay location.

The primary function of the Ground Maintenance Computer Program is to test the B-52 Offensive Avionics System Prime Mission Equipment that is capable of communicating with the Avionics Control Units via the MIL-STD-1553A data buses and the Fiber Channel. The Ground Maintenance Computer Program will detect faults and aid in fault isolation of Prime Mission Equipment Line Replaceable Units on the aircraft. The GMCP software will execute within the Avionics Control Units and communicate with the Line Replaceable Units via the MIL-STD-1553A data buses and the Fiber Channel. Ground testing of this effort will occur in late 2014.

In addition, engineers from the 76th SMXG, 557th SMXS, B-52 Software Avionics Flight are transitioning mission-planning software from a unix-based Mission Planning System to a Windows-based Joint Mission Planning System.

The B-52 JMPS Unique Program Component v1.0 software release will include conventional mission planning support for B-52 Software Blocks 04 and 05. It also adds capability for all variants of JDAM, JASSM and MALD at the bay location to support capability added by the 1760 IWBU program. Formal Qualification Testing will be accomplished by July 2014, and the software will be fielded by July 2015.

The CONECT system will enable Stratofortress aircrews to send and receive information via satellite links, which will enable them to change mission plans and retarget weapons while in flight; currently, mission information must be uploaded to a B-52 before a flight. In addition, pilots will be able to interact better with other aircraft and with ground forces.

Other improvements will include a state-of-the-art computing network with workstations at each crew

position and an integrated digital interphone with increased capacity that will allow crew members to talk to each other on headsets equipped with noise-canceling technology.

The \$76 million CONECT upgrade installation will be performed during programmed depot maintenance by the 565th Aircraft Maintenance Squadron, while Boeing will provide the low-rate initial production of the first CONECT kits, along with spare parts and maintenance and service at Tinker AFB.

The B-52H was delivered to the Air Force in 1961-62. Those aircraft have been kept aloft through regular maintenance and periodic upgrades. For example, GPS capabilities were incorporated into their navigation systems in the late 1980s. Citing engineering studies, Air Force officials have said the heavy bombers could keep flying for at least another quarter-century.

Military Compensation and Retirement Modernization Commission encourages comment submittals

The Military Compensation and Retirement Modernization Commission welcome inputs as they review military compensation and benefits.

Anyone may submit

a comment, but all comments may be made available to the public. Due to the volume of comments that are expected, the commission will not be able to respond to each submission.

Congress' National Defense Authorization Act for Fiscal Year 2013 established the Military Compensation and Retirement Modernization Commission. The Commission's task is to

review the military compensation and retirement programs and make recommendations for their modernization to the President and Congress in the spring of 2014.

The goal of the Com-

mission's recommendations will be to ensure the long-term health of the All-Volunteer Force, provide for a high quality-of-life for the members of the Uniformed Forces and their families, and

make sure that the compensation and retirement programs are financially sustainable.

For more information or to make a comment, see the commission's website at www.mcrmc.gov.

Shelton discusses importance of space defense

By Jim Garamone

American Forces Press Service

WASHINGTON – Space is fundamental to the economy, the military and the way of life in the United States and officials must continue to guard against challenges in the domain from adversaries, the commander of Air Force Space Command said today.

Gen. William Shelton shared with students at George Washington University here some of his worries and concerns.

In the past 60 years, space has grown from a domain with a lone satellite beeping across the heavens to a \$300 billion economic engine.

“The advent of space systems has allowed citi-

zens and governments to engage routinely in the world around them, communicate at the speed of light and to tap sources of information previously unavailable to them,” Shelton said.

Satellites are now essential parts of the 21st century way of life for all nations. Weather forecasting, precise navigation, instant communications and many other capabilities tie space to Earth.

These are incredibly important during crises. The death tolls from Hurricane Katrina in 2005 and the Japanese tsunami in 2011 would have been even higher had not satellite surveillance and communications been available, he said.

Space has also changed

the military. “In all of recorded history, when armies met on the battle field, they fought for the coveted high ground because of the obvious advantage it gave them over the adversary,” Shelton said. “Later, balloons performed that function and even later, airplanes were used as observation platforms.”

Space is the ultimate high ground, he said.

Shelton’s command has a global mission with global responsibilities reaching all corners of the planet and up to 23,000 miles in space and geosynchronous orbit. “We get space-derived information to all sorts of users, including the military operators of our nation’s Army, Air Force, Navy and Marines -- those who rely on timely and accurate

data,” he said.

Intelligence, logistics and other operationally relevant data flow seamlessly to the front lines in Afghanistan as well as to other parts of the world where U.S. forces are operating.

“I can’t think of a single military operation across the full spectrum from humanitarian relief operations all the way to major combat operations that doesn’t somehow depend on space for mission success,” Shelton said. “But frankly, this dependence on space has also become quite a bit of a double-edged sword. Our potential adversaries have been going to school on us during these many years of combat operations.”

Adversaries are mimicking American proce-

dures and looking for chinks in American armor, the general said. “More concerning, as they’ve watched us, we’ve watched them develop systems to challenge our advantages in space,” he said.

“Because space launch is so expensive, we loaded as much as we could onto our satellites -- multiple missions, multiple payloads,” Shelton said. “After all, we were operating in a relatively peaceful sanctuary in space.”

Not today. “As I look at the next 20 years in space, we have a difficult, uphill climb ahead of us,” he said. “I equate this to the difficulty of turning the Queen Mary. You send the rudder command and the delayed response tries

your patience.”

To sustain space services, the United States must consider architectural alternatives for future satellite constellations. “These alternatives must balance required capability, affordability and resilience,” he said. “There are many options that we’re actively studying right now. The notion of disaggregation is one. And what we mean by this is moving away from the multiple payload, big satellite construct into a less complex satellite architecture with multiple components.”

Distributing space payloads across multiple satellite platforms, increases U.S. resiliency. “At a minimum, it complicates our adversaries’ targeting calculus,” he said.

National Museum of the U.S. Air Force’s fourth building set to proceed

DAYTON, Ohio – After a brief delay, the National Museum of the U.S. Air Force’s fourth building is set to proceed.

In December 2013, Turner Construction Company of Washington, D.C., was awarded a \$35.426 million contract by the U.S. Army Corps of Engineers, Louisville District, to construct a new 224,000 square foot building – similar in size and shape to the museum’s three existing hangars. The contract is being privately financed by the Air Force Museum Foundation, a non-profit organization chartered to assist in the development and expansion of the museum’s facilities.

Another contractor then filed an agency protest on the contract award, which was reviewed by the U.S. Army Corps of Engineers

and denied. The notice to proceed was issued to Turner Construction Company effective today.

Current plans call for construction to begin in early summer 2014 and be completed in the late summer 2015. The museum will then begin populating the building that fall. A public opening is anticipated in 2016.

Museum Director Lt. Gen. (Ret.) Jack Hudson said he was glad to see that the situation has been resolved and is looking forward to moving ahead with the fourth building.

“These kinds of delays can happen sometimes with the government’s contract award process, but the fourth building is critical for us and therefore it is very important to get it right,” said Hudson. “Now we

can proceed with the fourth building, which will allow us to share more chapters of the Air Force story with all of our visitors.”

Turner’s Columbus operation, led by Vice President and General Manager Kyle Rooney will take the lead on constructing the museum’s fourth building.

“Our project team has been on the standby and in the ready position,” said Rooney. “As the builder of many of our nation’s recognized monuments and museums, we are extremely excited to work with the National Museum of the U.S. Air Force and the U.S. Army Corps of Engineers.”

The museum’s new climate-controlled building, with LEED (Leadership in Energy and Environmental Design) 3.0 Silver certification, will house four major

elements of the Air Force story.

The Presidential Aircraft Gallery will allow the museum to relocate and expand one of its most popular galleries, currently located on a controlled-access portion of Wright-Patterson Air Force Base. The fourth building will provide all visitors the opportunity to view this historic collection of presidential aircraft, and walk through four of them, including aircraft used by Presidents Roosevelt, Truman, Eisenhower as well as the Boeing VC-137C (also known as SAM (Special Air Mission) 26000, which used by eight presidents — Kennedy, Johnson, Nixon, Ford, Carter, Reagan, George H.W. Bush and Clinton — in addition to carrying heads of state, diplomats and other dignitaries and officials, on many historic journeys.

The Research and Development Gallery will also be relocated from the base and offer visitors the opportunity to view the world’s only remaining XB-70 and other aerospace vehicles. The exotic XB-70 could fly three times the speed of sound and was used as a research aircraft for the advanced study of aerodynamics, propulsion and other subjects. Research

and development aerospace vehicles represent advances in technological problem solving and will increase the museum’s opportunities to teach STEM themes and principles.

The new Space Gallery will showcase the Space Shuttle exhibit featuring NASA’s first Crew Compartment Trainer (CCT-1), a high-fidelity representation of a space shuttle crew station used primarily for on-orbit crew training and engineering evaluations. As a major exhibit component of that gallery, visitors will be able to walk onto a full-size representation of a NASA space shuttle payload bay and look inside the CCT-1 cockpit and mid-deck areas. Conceptual plans call for the gallery to also include a Titan IV space launch vehicle, Mercury, Gemini and Apollo spacecraft and many NASA artifacts and a variety of astronaut equipment. A range of satellites and related items will showcase the Air Force’s vast reconnaissance, early warning, communications and other space-based capabilities.

Providing airlift remains a major mission of the USAF and it forms a critical part of the Air Force’s ability to maintain global reach. The Global Reach Gallery will give the opportunity

to house large aircraft currently in the museum’s collection, such as the C-141 *Hanoi Taxi*, which airlifted the first American prisoners of war to freedom from Hanoi, North Vietnam in 1973. The Air Force’s airlift, aeromedical and evacuation missions will also be explained in this gallery.

The National Museum of the United States Air Force, located at Wright-Patterson Air Force Base near Dayton, Ohio, is the service’s national institution for preserving and presenting the Air Force story from the beginning of military flight to today’s war on terrorism. It is free to the public and features more than 360 aerospace vehicles and missiles and thousands of artifacts amid more than 17 acres of indoor exhibit space. Each year more than one million visitors from around the world come to the museum. For more information, visit www.nationalmuseum.af.mil.

The Air Force Museum Foundation, Inc. was established in 1960 as a philanthropic, non-profit organization to assist the Air Force in the development and expansion of the facilities of the National Museum of the United States Air Force, and to undertake and advance programs and activities supporting the museum. The Foundation raises funds through its membership program, the Air Force Museum Theatre, Museum Store, flight simulators and Valkyrie Café, as well as from direct donations. For more information, visit www.airforce-museum.com.

Turner Construction Company has served the healthcare, education, commercial and industrial construction markets for more than 100 years, offering construction management, design-build, general contractor and related services on projects of all sizes. With an Ohio staff of almost 600, Turner proudly supports its local communities. The Ohio region manages on average more than \$800 million in construction volume annually. Consistently ranked the leading sustainable builder in the nation, Turner was founded in 1902 in New York, NY, and operates through a network of offices in the U.S., including offices in Cincinnati, Cleveland, Columbus and Toledo, Ohio. For more information, please visit www.turnerconstruction.com.

Driving while frosted

Arnold Police Department

Look out in the parking lot on a wintry morning and there is almost a guarantee you will find at least one vehicle sporting the "peephole" look.

Too often, we allow frustration to trump our common sense. Drivers who would never think of driving with worn tires, bad brakes, or malfunctioning taillights get behind the wheel after scraping just a small peephole for vision. This can leave more than 96 percent of visibility obscured.

Peephole drivers risk not only themselves, but the lives of their passengers, fellow motorists, and unwary pedestrians. Even those who clear the entire driver's half of their windshield are still driving more than 80 percent blind. And when sunlight hits the remaining frost or ice on the windshield, drivers can be literally driving blind.

According to the Center for Safe Driving, more than 50 percent of drivers in a recent survey admitted to not fully clearing the ice from the windows of their vehicles. Many others fail to clear ice or snow from headlamps and taillights, and still more fail to clean it from the roofs, trunks, or hoods of their vehicles.

Failure to remove ice (or snow) from the top of a vehicle carries danger as well.

For your own safety as well as that of others, take time to clear your vehicle. First, bundle up. In extreme cold frost bite can set in quickly, so wear gloves.

TUNNEL from page 2

through and supplied subject matter expertise every step of the way. Additionally, keeping the customer informed of our progress and schedule kept communications flowing so that there were no surprises.

It is estimated that the existing power cable was installed in 1965. This 15kV power cable was a single cable, approximately 2.5 inches in diameter, and was spliced several times. This cable run was estimated at 1,200 feet. For the replacement cable, and to maintain high reliability, the decision was made to request that the cable installation contractor pull three legs of the conductors.

The estimated replacement cost of the entire power cable circuit was around \$100K. Our procurement was assigned to AEDC Contracting Officer Tony Clayborne. Due to the relatively small estimated cost and high priority of the procurement; we expedited contracting actions. A detailed statement of work package was developed quickly with the assistance of Maureen Burke in the AEDC Plans and Programs Division and Tony Acklen in the AEDC Test Support Division.

Soon after the contract was awarded, plans began on how the contractor would carry out the cable replacement work. There was a need



Electrical contractors replace high-voltage electrical cable at the AEDC Hypervelocity Wind Tunnel 9, White Oak, Md. as part of a team effort to return the test facility back to operational status. (Photo provided)

for a significant electrical power outage in order to de-energize all of the cables in each manhole that the contractor needed to enter. The outage was complicated because several non-AEDC buildings are powered by the cables running through some manholes. The onsite cable replacement work started on

Aug. 21, 2013. Pulling this much cable through several manholes without splicing required use of a specialized cable pulling truck that measured the pulling force on the cable, cut the old cable into four-foot lengths, and dropped the cut lengths into the truck bed.

Successful completion of

the cable replacement resulted in a return to service for the test customer. The facility resumed testing and continues at a record testing pace moving forward.

This effort strengthened the relationships between this geographically separated location and the home base at AEDC in Tenn.

ENGINEERS from page 1

Prizes will be awarded to the top three scoring teams.

Engineer-for-a-Day is Feb. 19. Engineer-oriented, junior and senior high school students will tour AEDC, have lunch and then go with a mentor to observe engineers at work. Some students will stay at AEDC, others will visit companies in the local area.

On Feb. 25, the Engineers Week Banquet will be at the Manchester/Coffee County Conference Center. The banquet speaker is Andy Allen, a former astronaut and

presently the vice president and general manager for Jacobs Technology at Cape Canaveral, Fla.

Allen was selected to become an astronaut by the National Aeronautics and Space Administration (NASA) in June 1987. He is a veteran of three space flights and has logged over 900 hours in space. He was the pilot on the Space Transport System-46 (STS-46) mission in 1992 and STS-62 in 1994 and was mission commander on STS-75 in 1996. Allen retired from the Marine Corps and left NASA in Oct. 1997.

He has since served in various industry leadership positions, including president of the FIRST Foundation (For Inspiration and Recognition of Science and Technology) and associate program manager for Ground Operations with United Space Alliance.

The banquet social begins at 5:30 p.m., dinner begins at 6 p.m. and the program begins at 7 p.m. Tickets are available through Feb. 21 and cost \$30. Tickets may be purchased through John Jordan, 454-4335; Harry Clark, 454-4495; Jim

Link, 454-6093; Paul Kelly, 454-6542; Bill Carpenter, 393-6632; and Joe Wehrmeyer, 454-4345.

The Engineers Week activities are sponsored by the Tullahoma Chapter of the Tennessee Society of Professional Engineers, the Highland Rim Chapter of the American Society of Mechanical

Engineers, the Tennessee section of the American Institute of Aeronautics and Astronautics, the Society for Maintenance and Reliability Professionals, the Project Management Institute, and the Arnold Association of Professional Societies.

During the week of activities, volunteers have

the opportunity to conduct hands-on activities with students; talk to a group of students about engineering; or participate in community engineering events.

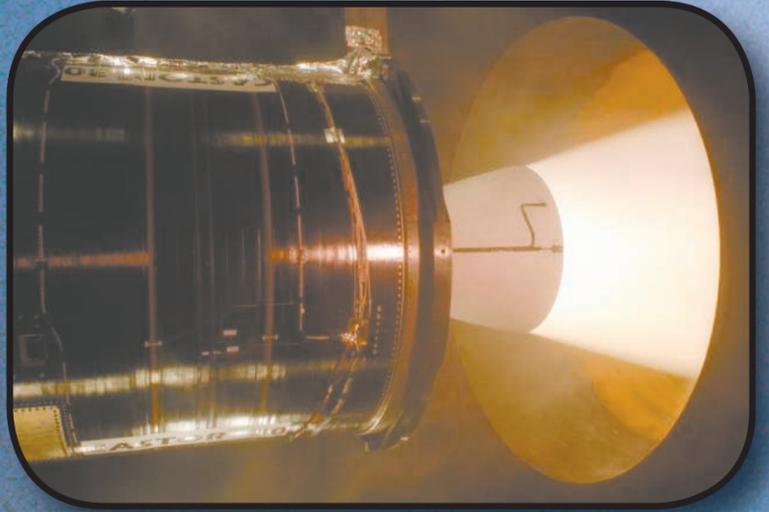
Volunteers are invited to assist in the events. To volunteer or for more information, contact Paul Kelly at 454-6542.

AEDC contributes to Tennessee space discoveries, exploring the frontiers of space



'CURIOSITY'
Arnold center involved with Mars Rover

Curiosity



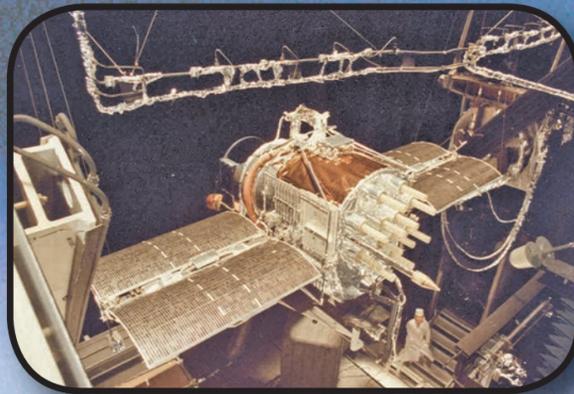
ATK CASTOR 30

Tennesseans will take the opportunity, Jan. 26 - Feb. 1, to explore the state's contributions to space exploration during Tennessee Space Week.

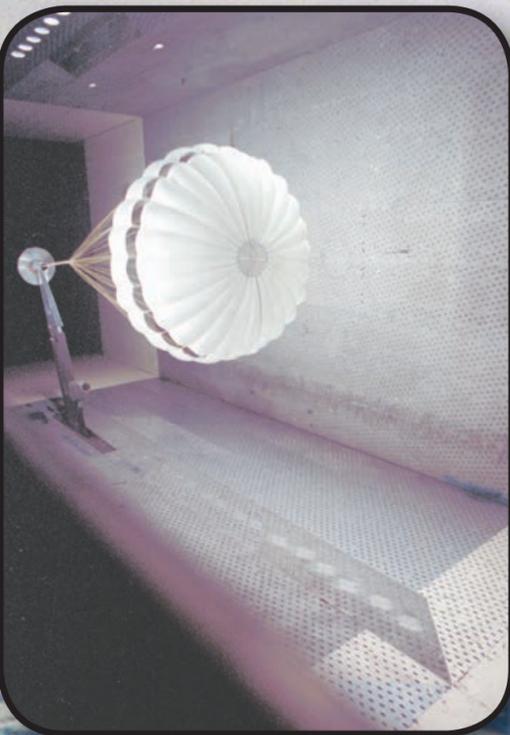
AEDC began supporting space exploration efforts in the late-1950s and has continued into the 21 century.

AEDC engineers and scientist tested space vehicles in the early years such as the project Mercury, Gemini and Apollo to the Space Shuttle, the Global Positioning System, the GOES-M Weather Satellite, the Crew Exploration Vehicle and Ares 1-X.

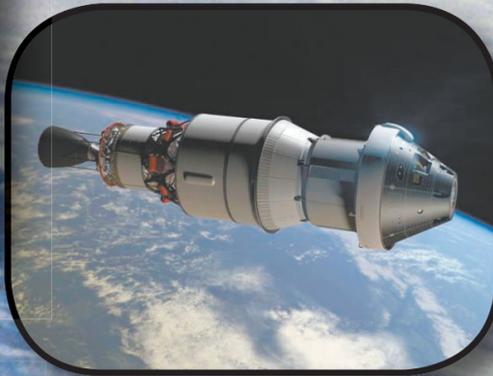
AEDC has supported the development and integration of these technologies into operational space systems by simulating the expected operational environment and assessing design performance using a variety of center test cells – wind tunnels, thermal vacuum chambers and rocket altitude test cells.



Global Positioning System



Cassini Huygens



Orion Crew Explortion Vehicle



GOES-M Weater Satellite



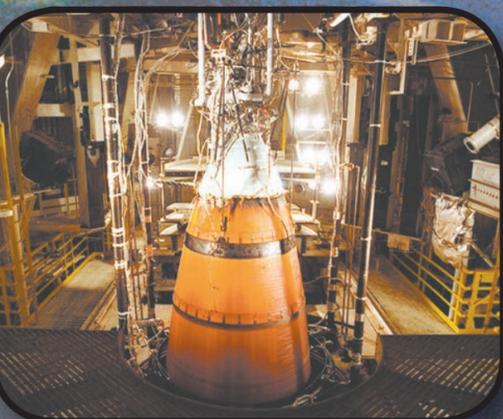
Project Apollo



Project Mercury



Project Gemini



Titan IV - Evolved Expendable Launch Vehicle



Space Shuttle

Fuel to go



A KC-135 Stratotanker refuels an A-10 Thunderbolt II from the 74th Expeditionary Fighter Squadron, Bagram Airfield, Afghanistan Jan. 7 over northeast Afghanistan. The crew of the Stratotanker provided fuel for coalition aircraft during a more than 10-hour combat sortie. The KC-135 is from the 340th Expeditionary Air Refueling Squadron in Southwest Asia. (U.S. Air Force photo/Tech. Sgt. Jason Robertson)

New SecAF to Airmen: With change comes opportunity



Secretary of the Air Force Deborah Lee James talks to a gathering of uniformed and civilian Airmen during her first town hall meeting as the Air Force's senior most civilian leader Jan. 9 in the Pentagon auditorium, Washington, D.C. President Barack Obama nominated James to be the top Air Force civilian in August 2013 and she was sworn in as the 23rd Secretary of the Air Force on Dec. 20, 2013. (U.S. Air Force photo/Jim Varhegyi)

By Staff Sgt. David Salanitri
Air Force Public Affairs Agency

WASHINGTON (AFNS) – The Air Force's most senior leader gave insight into her life and shared career advice with Airmen across the Air Force during her first town hall Jan. 9.

Speaking from the Pentagon auditorium, Secretary of the Air Force Deborah Lee James spoke about her 32 years of defense experience, passing on lessons she's learned, and encouraging Airmen to view challenges as opportunities.

James, who grew up along the New Jersey shore, originally came to Washington D.C. with her lifelong dream of becoming a diplomat for the State Department.

But that dream job never happened.

"I prepared all these years, and now the dream was busted," James said. "... boy, was it devastating."

With a signed lease,

James had to stay in the city and figure out a way to move on with her career.

"You have to pull up your socks and get on with it," James said. "That was when my dream shifted. I had to zig-zag in life."

In 1981, James began her career in the field of defense.

"Now, more than three decades later, that is where I have spent my professional life," James said of her experience, which includes everything from working for the Department of Defense to a related private sector industry.

James said her swearing in as the Air Force's 23rd secretary is "the culmination of that period," noting that not receiving what she thought was her dream job may have been a blessing in disguise.

James offered her story as an opportunity to talk to Airmen about how they approach their own career challenges today, particularly in the face of significant personnel cuts, forcing many to recon-

sider career opportunities. "The projections are up to 25,000 reductions in personnel and hundreds of aircraft will come down as well," James said.

With these cuts, James encourages commanders and supervisors to go make the first move, and help their Airmen. "Reach out to them, go on the offense, and give them some advice," said James, who encouraged mentorship throughout her address.

A theme in James' short tenure as secretary has been opportunity. Opportunity is what set James on the path of working for the Department of Defense.

"One door closes, another door opens," James said.

For Airmen who are looking to retire early or separate, or are worried they may be selected for involuntary separation, James encourages them to be proactive in their career, and to "own it."

"If you don't have enough information about your specialty and what is

likely to happen in your career field, go on the offensive and ask questions until you get answers," James said.

Although budget uncertainty means the numbers remain fluid right now, James pledged that senior leaders will strive to be as open with information as possible. Her goal is to disclose as

much information as possible, as quickly as possible. "We're going to be transparent," James said. "That's our job. And get you as much information as possible so you can make those career decisions."

James, who was formally sworn in Dec. 20,

2013, implores Airmen to

own their careers, whether that's as a member of the Air Force, or outside of the service.

"Manage your own career and take the reins so you can make a good judgment and proceed in your career," James said. "Seize the opportunity. Don't be afraid of the opportunity. You'll be better off for it."

James, who was formally sworn in Dec. 20, 2013, implores Airmen to

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 2 p.m., Monday through Friday and 7 a.m. to 2 p.m., Saturday and Sunday. Call ahead orders for dine in or carry out, 454-FOOD (3663).

Arnold Lakeside Center(ALC)
454-3350

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

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

Feb. 6 – “Captain Phil-

lips,” rated PG-13 (2 hr. 24 min.) starring Tom Hanks, Barkhad Abdi and Barkhad Abdirahman. The true story of Captain Richard Phillips and the 2009 hijacking by Somali pirates of the US-flagged MV Maersk Alabama, the first American cargo ship to be hijacked in two hundred years.

Feb. 13 - “Free Birds,” rated PG (1 hr. 31 min.) starring Woody Harrelson, Owen Wilson and Dan Fogler. Two turkeys from opposite sides of the tracks must put aside their differences and team up to travel back in time to change the course of history - and get turkey off the holiday menu for good.

Feb. 20 – “Ender’s Game,” rated PG-13 (1 hr. 54 min.) starring Harrison Ford, Asa Butterfield and Hailee Steinfeld. Young Ender Wiggin is recruited by the International Military to lead the fight against the Formics, a genocidal alien race which nearly annihilated the human race in a previous invasion.

Feb. 27 – “Gravity,” rated PG-13 (1 hr. 31 min.) starring Sandra Bullock, George Clooney and Ed Harris. A medical engineer and an astronaut work together to survive after an accident leaves them adrift in space.

‘3rd Day Free’ ticket special offer for Universal Orlando brought to you by ITT (Information, Tickets

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. **CLOSED Feb. 17**

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. **CLOSED Feb. 17**

Café 100: Monday through Friday, 6:30 a.m. – 1 p.m. Lunch starting at 10:30 a.m. **CLOSED Feb. 17**

Barber Shop: by appointment – Monday, Tuesday, Thursday & Friday 8 a.m. – 4 p.m. **CLOSED Feb. 17**

GLC (office located at Arnold Lakeside Center): Monday through Friday 7:30 a.m. – 4 p.m. May vary depending on bookings. **CLOSED Feb. 17**

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 Feb. 17; 5 a.m.-6 p.m. classes as scheduled.**

Arnold Golf Course: Pro Shop & Driving Range 8 a.m. – 4:30 p.m. Closed during inclement weather. Driving Range open 24 hours with pre-purchased 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.

and Travel) at Arnold Lakeside Center. The 2-Day Base with 3rd Day Free Ticket entitles 1 guest admission to one theme park per day. Ticket is valid for any 3 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, 2014, to receive full benefit of the ticket entitlements. All ticket usage must be completed on or before May 22, 2014 when the ticket will expire in full. For complete details and to order tickets, call ITT at 454-4003.

Books Are Fun Re-

turns to Café 100 Feb. 4. Arnold Lakeside Center welcomes back Books Are Fun for a book fair from 9:30 a.m. – 3 p.m. Feb. 4 in the A&E building’s Café 100. Discounted selections include paperbacks, best sellers, educational, reference, cookbooks, children’s items, gift selections and more. Save up to 70 percent off retail prices.

First Friday Jam Night Feb. 7 at Arnold Lakeside Center 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. First Friday Jam is a very informal, stress-free, kid friendly environment. If you would like to sing or play an instrument, please contact Jim “JJ” Jolliffe at (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.

National Kite Flying Day free event at the Arnold Lakeside Center Feb. 8 at 10 a.m. Join the ALC staff on the back patio to see how high you can make your kite soar. Attendees are welcome to bring their own kites, or kites will be provided to those who sign up by the Feb. 3 deadline. Five participants are required for the event to take place. Call 454-3350 for more information or to reserve your spot.

Twice the Fun of Brushes and Bottles in February. Brushes and Bottles will be held 6-8 p.m. at the GLC Feb. 13, and again 6-8 p.m. at the GLC Feb. 27. Bring your

favorite beverage and quote to customize this month’s painting 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 Feb. 7. Class size is a maximum of 15. Call 454-3350 to sign up or for more information.

See **BRIEFS**, page 11

ATA makes a STEM donation to Tullahoma High School



ATA Deputy General Manager Phil Stich (white shirt) presented a \$500 STEM donation to the Tullahoma High School in support of their *FIRST*® Tech Challenge (FTC) Team. FTC is designed for grades 7-12 who want to compete head-to-head, using a sports model robot. Teams of up to 10 students are responsible for designing, building and programming their robots to compete in an alliance format against other teams. (Photo provided)

Air Force Marathon breaks registration record

U.S. Air Force Marathon Office

WRIGHT-PATERSON AIR FORCE BASE, Ohio (AFNS) – The Air Force Marathon broke another record for the fourth year in a row. Nearly 6,000 runners registered Jan. 1 – 1,000 more than the previous year.

“I was optimistic about

registration numbers on opening day,” said Rob Aguiar, the race director. “But I certainly never expected so many to register on Jan. 1.”

The 10K is already more than 50 percent full and Aguiar said it’s always the first race to sell out. The next price increase is set for April 2, but he warns participants

that there may not be spots left by that time.

“We encourage all participants to register as early as possible,” he said. “Not only are the prices lower the earlier you register, but we sell out very quickly.”

The Air Force Marathon sold out in record time in 2013 and organizers anticipate selling out

even faster this year. Officials will not be increasing the number of runners this year, capping the participants at 15,000.

The Air Force Marathon will also feature Boston Marathon Director Dave McGillivray as a special guest. McGillivray will speak at the Sports & Fitness Expo, the Breakfast of Cham-

pions and Gourmet Pasta Dinner. Tickets for the breakfast or dinner can be purchased at www.usafmarathon.com.

The featured aircraft for 2014 has not been determined yet, but will be announced once it has been decided.

The 2014 Air Force Marathon is scheduled for Saturday, Sept. 20, 2014.

The Sports & Fitness expo is Thursday, Sept. 18, and Friday, Sept. 19. The Breakfast of Champions is Friday, Sept. 19, from 8 to 10 a.m. The Gourmet Pasta Dinner is Friday evening, starting at 5:30 p.m.

More information about the Air Force Marathon and registration prices can be found at www.usafmarathon.com.

BRIEFS from page 9

Arnold Lakeside Center will host an adults only **Valentine's Day Date Night Dinner for Two**, Feb. 14 from 6-9 p.m. The candlelight dinner for two includes 8 oz. prime rib (cooked medium rare), baked potato, salad, red velvet cake, and your choice of tea, water, or soft drink. Cost is \$16 per couple for members and \$17 per couple for non-members. Reservations are due Feb. 7. Call 454-3350 for reservations or more information.

Introduction to Hula Hooping at the ALC Feb. 15 at 10 a.m. All ages and skill levels are invited to spend their Saturday morning with instructor Christy Adams in the ALC ballroom for single and double hula hooping demonstrations. Bring your own hula hoop, or use one provided by the ALC.

Last Friday Trivia Contest returns Feb. 28. 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. Only one points value may be used per question. For example, if you wager four points on the first question then you must choose either two or six points for the next question.

Whichever value is left must be used for the final question in that round. After the eighth round, teams may wager up to their total points earned for the final question. Prizes are awarded for top finishers.

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.

Cafe 100
454-5885

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

Fitness Center (FC)
454-6440

Check us out on Facebook! Arnold AFB Services Fitness Center

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.

Blood Pressure Checks Feb. 10 in Café 100 from 11 a.m.-noon. Stop by the café and have a free blood pressure reading by a member of the Fitness Center staff. Note: Women that have had a mastectomy must notify staff before having reading. Call 454-6440 for more information.

Push-Up, Pull-Up, Sit-Up Competition Feb. 12 at the Fitness Center and may be completed anytime during the day. The top finisher in each category will receive an award for the highest number of reps performed in proper form. Call 454-6440 for more information.

Outdoor Rec (ODR)
454-6084

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.

Wingo Inn
454-3051

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.

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.

