Test helps determine feasibility of high energy lasers

### AEDC
#### Supporting the warfighter

**By Patrick Ary**

The gap between the AEDC Aerodynamic and Propulsion Test Unit’s nozzle and diffuser was widened to 54 inches in order to expose more of the test environment (partial vacuum). Shutters were also installed on the windows to protect them from contamination during the facility start-up and shutdown events.

### AEDC Community Council

L130 fuller sponsorship includes five reserved seats at a table with the sponsor name, five one-year ACC memberships and recognition in the event program, the dinner slide show and on the ACC website.

### ATA reduces personnel by 17

**By Kathy Gattis**

The bottom line is that directed energy systems, such as high energy lasers, need to bring – lasers, diagnostic equipment and limited services in Oct.

### Arnold AFB, Tenn.
#### September 21, 2012

Vol. 59, No. 18

AFMC Community Council

L130 fuller sponsorship includes five reserved seats at a table with the sponsor name, five one-year ACC memberships and recognition in the event program, the dinner slide show and on the ACC website.

### ATA vice commander visits AEDC

**Lt. Gen. Andrew E. Busch**, vice commander, Air Force Materiel Command, speaks to a group of Airmen at Arnold Engineering Development Complex Sept. 6 inside the J-2 Turbine Engine Test Cell. Behind Busch is an F-119 engine for the F-22 Raptor which is at the Complex to undergo augmenter characterization testing using hydro-treated renewable jet fuel, and a hydrocarbon synthetic jet fuel created from animal fats and plant oils. (photo by Rick Goodfriend)
Leaders issue Air Force birthday message

WASHINGTON (AFNS) - Secretary of the Air Force (SAF) Deborah Lee James, Air Force Chief of Staff Gen. Mark A. Milley, and Chief Master Sgt. of the Air Force James Roy issued a statement to the American people to commemorate the United States Air Force’s 65th birthday, Sept. 18, 2012. As we celebrate the United States Air Force’s birthday, we pay tribute to the service and sacrifice of the dedicated Airmen who defend our nation’s young and innovative Service.

Throughout our proud history, the United States Air Force has embraced the technology that continues to revolutionize our capabilities to defend our nation’s air, space, and cyberspace. We owe an enormous debt to the living and the Airmen of the United States Air Force. Today, more than ever, it is clear that the strength and success of our nation’s call. Working from the know-how, determination, and commitment of a diverse group of men and women who embody the American creed, Core Values, and excellence in all we do. Service, First Before Self, Service First, and Excellence In All We Pursue - not only as an Airman, but as a citizen of the United States,

The mission of the Air Force today is to provide the full might of our armed forces to protect our nation. As the American military is doing everything it can to protect us. The Air Force validated by its sacrifice, and the POW/MIA community holds captive.

AEDC leaders issue final Critical Air Force birthplace message that makes us so powerful.

Every day, our Airmen are driven by the Airmen’s Creed. As we celebrate the United States Air Force’s birthday, we pay tribute to the service and sacrifice of the dedicated Airmen who defend our nation’s young and innovative Service.

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beeping smoke alarm. You are sound asleep and awake to the sound of the smoke alarm. You have just been awakened by the sound of the smoke alarm. You have just been awakened by the sound of the smoke alarm.

The numbers are scary, but there is something you can do to help ensure your family’s safety should a fire occur in your home. Have Two Ways Out!

AEDC’s Fire Department urges everyone to “Have Two Ways Out”

AEDC’s Fire Department is training up with NFPA during Fire Prevention Week, October 7-13, 2015, to urge residents to “Have Two Ways Out” of their home. This year’s theme focuses on the importance of fire escape planning and practice.

Only one-third of Americans have both developed and practiced a home fire escape plan. And it is a function of the Americans who do have an escape plan, 10% percent still actually practiced it. As a saw in the scene above, fire is unpredictable. Seconds and minutes can mean the difference between life and death. We want you to be prepared to know what to do if a fire breaks out in your home.

Preparation is an important part of being able to deal with an emergency and it is an important part of being able to protect your family for the potential of having an escape plan.

With all this in mind, we encourage you to develop a pre-escape plan. Whether you are at work, dining out or in bed, you need to know what to do when a fire breaks out. NFPA recommends the following tips for planning your family’s escape:

- If you have children and want to make this a family activity: Make a map of your home. Mark a door and a window that can be used to get out of every room.
- Choose a meeting place outside in front of your home. This is where everyone can meet once they’ve escaped. Draw a picture of your outside meeting place on your escape plan.
- Write the emergency telephone number for the fire department on your escape plan.
- Sound the smoke alarm and practice your escape drill with everyone living in your home.
- Keep your escape plan on the refrigerator and practice it at least once a year in the kitchen.
- If your family is all adults: Walk through you home and identify two ways out of each room.
- Choose a meeting place outside in front of your home.

Keep your escape plan handy and practice it twice a year or whenever you move.

The numbers are scary, but there is something you can do to help ensure your family’s safety should a fire occur in your home. Have Two Ways Out!

AEDC and University of Tennessee Space Institute (UTSI) jointly hosted a conference of 100 educators, government, business and community leaders Sept. 4-6. The Aerospace Industries Association (AIA) and National Defense Industrial Association (NDIA) (STEM) (Science, Technology, Engineering and Math) Summit is a quarterly event held in a different state each time. This group discussed ways to address the future shortage of technical personnel.

The need to know two ways out of your local fire department.

Practice your escape drill twice a year.

The need know two ways out doesn’t only apply at home. Escape routes can become blocked by fire no matter where you are. Whether you are at work, dining out or in bed, you need to know what to do when a fire breaks out. NFPA recommends the following tips for planning your family’s escape:

- If you have children and want to make this a family activity: Make a map of your home. Mark a door and a window that can be used to get out of every room.
- Choose a meeting place outside in front of your home. This is where everyone can meet once they’ve escaped. Draw a picture of your outside meeting place on your escape plan.
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The numbers are scary, but there is something you can do to help ensure your family’s safety should a fire occur in your home. Have Two Ways Out!
Arnold Air Force Base’s Visitor’s Center will have limited capabilities in October

By Phillip Larena III

There will be a minor construction project taking place from Oct. 17 – 22 that will reduce or eliminate some of the Arnold Engineering Development Complex’s (AEDC) Visitor Center services during that timeframe. This will have a direct impact on base employees, official visitors and the area’s military retirees and their dependents.

The Visitor Center will undergo a minor remodeling/recertification project and some of the computer systems will be disconnected for several days, according to Dan Hawkins, AEDC’s installation security section manager.

“We ask patrons in need of military ID card services during this time to defer their request until after the construction is complete since the equipment required for this service will remain in the construction zone,” Hawkins said. “Emergencies will be handled on a case-by-case basis.”

Visitors coming to the base on official business will receive credentials from a temporary trailer set up in the parking lot. This service will be very limited and only pre-made credentials can be issued during this timeframe.

Sponsors who have visitors coming for multiple-day visits during this time-frame can eliminate the need for multiple trips to the Visitor Center by advising the Visitor Center of the visit no later than Oct. 10. This advance notice will allow time for multiple-day badges to be made. These formal visit requests must be made either in person or by using the portal visitor form at https://air.arnold.af/visit

“Once we have the information in advance, we will make non-photo IDs to cover the duration of the visit,” Hawkins said. “We will have pre-made, single-day badges for visitors who arrive on short notice, but they will only be good for the day of issue. Visitors coming for multiple days will have to make repeat visits to the Visitor Center if a non-photo badge is not made in advance.

“We appreciate everyone’s patience during this time.”

For additional information, please call Hawkins at 931-484-5044.

Flu shots will be available for civilians as well as military

WRIGHT-PATTERSON AIR FORCE BASE, Ohio – For the second year in a row, a Flu Vaccine Distribution Facility will be provided for military and TRICARE beneficiaries.

For military and TRICARE workers, from getting the flu vaccine remains mandatory. As a reminder, the flu vaccination deadline this year after the devastating events of 9/11.

With a theme of “Pledge to Prepare: Awareness to Action,” the goal of this year’s commemoration is to encourage all Americans to take specific steps to be prepared for all kinds of disasters and emergencies. The message of personal readiness is one that Airmen should heed year-round, according to Air Force emergency management experts.

“National Preparedness Month is a FEMA-sponsored event,” said Mike Cohners, the Air Force emergency manager. “The Air Force has its ‘Be Ready’ initiative, which is a year-round campaign that dovetails nicely into that. Between the two campaigns, it helps raise awareness and prompts people to take action to be prepared for whatever the threat. Air Force emergency managers are trained to support base communities by preventing, preparing for, responding to and recovering from emergencies. This includes educating base members on what to do if they encounter a hazard, whether it’s a natural disaster or man-made incident such as a major accident or terrorist attack.”

“One of the first things Airmen should know is where their installation’s emergency management office is,” Cohners said. “The installation emergency management office is the place to go for emergency information. The EM staff has the expertise to provide you the knowledge and tools you need to be prepared.”

Emergency managers recommended some basic steps Airmen should take now that could make a big difference in the event of a disaster:

- “Three things that we constantly stress to our Airmen is to get a kit, make a plan and be prepared,” said Master Sgt. Ernie Rude, NCO in charge for Air Force emergency management integration. “If every Airman will take these steps, effects from disasters can be minimized and lives can be saved.”

Rude said there is a comprehensive set of resources available on the Air Force’s “Be Ready” website.

Visit http://www.BeReady.af.mil/ for more information and resources to help prepare for any disaster. Air Force members should contact their installation emergency management office or visit the "Be Ready" website.

###

Don’t TXT n DRV

By John Burt

WASHINGTON (AFNS) - As intercontinental ballistic missiles gain prominence in the Air Force’s nuclear enterprise, service officials related the importance of maintaining the system during the 2012 Air Force Association Air and Space Conference and Technology Exposition here Sept. 18.

Panelists included Maj. Gen. William Chambers, assistant chief of staff for strategic deterrence and nuclear integration; retired Lt. Gen. Frank Klotz, senior fellow for strategic studies and arms control council on foreign relations; and Elbridge Colby, global strategic affairs principal analyst, CNA.

"The ICBM is stabilizing, lethal, responsive, survivable and highly credible," Chambers said, adding that he sees ICBM as a homeland-based force that maintains strategic stability and supports conflict resolution below the nuclear threshold.

"It does this by imposing great costs on any would-be aggressor and denying any adversary a nuclear coercion option," he explained.

Chambers also noted that ICBMs are among the most reliable and inexpensive strategic systems to operate and maintain.

"In fiscal year 2011, the Air Force provided an ICBM capability to the nation for one percent of the overall Air Force budget," Chambers said. "That's not a lot of money for the overall global stability that this force provides America."

While some advocates of deep reductions have called for total elimination of ICBM, the panel assured that the ICBM is essential to deterrence and strategic stability.

"If the ICBM were eliminated, the number of strategic targets an adversary would have to attack to seriously undermine or even destroy the U.S. nuclear deterrent force would be reduced from more than 500 to perhaps a dozen," Klotz said.

The panel underscored the importance of maintaining the ICBM in the 21st century.

"It's very important to think about new capabilities and maintaining the same fundamental approach to deterrence - putting the fear into your opponent so you don't ever have to go to war," Colby said.

The panelists acknowledged that though opinions may vary about ICBM's future, the system must continue to progress.
The AEDC Information Line is available for ATA employees to get the latest information on a wide variety of emergency circumstances that could impact base operations or driving conditions.
Airmen are currently engaged in preparations for the Atlas V rocket carrying a National Reconnaissance Office payload into orbit from Space Launch Complex-3 here.

“We are looking good (for launch) from a launch vehicle perspective,” said Howerton. “This is one of the cleanest launch vehicles we have seen for Atlas; we have not seen any major issues.”

Technicians from the 4th SLS provide over-the-shoulder support to United Launch Alliance launch contractors on Delta and Atlas flight vehicles. 

“On the day of launch we make sure all the preparations are completed on the pad,” said Tech. Sgt. Jessa Carter, 4th SLS mission assurance technician. “We roll the building back, clear the site and then they find the rocket up while we stay back at a safe distance.”

The Atlas V launch vehicle is a medium-sized vehicle and can lift up to 30,000 pounds to orbit. “I think the most exciting part is actually just seeing the rocket go,” said Carter. “When it gets about half way over the tower you can feel the reverberations from the sound, it is just so loud, amazing and bright.”

According to Howerton, the Atlas V launch vehicle currently has a 100 percent success rating. “The Atlas V has an excellent track record and excellent reliability,” said Howerton.

Howerton recognizes how the 4th SLS plays a key role in ensuring access to space for the joint force and our nation. “Not many people understand the details of what we do in the 4th. It’s kind of cool,” said Howerton. “I have a younger brother in the Navy, so the satellites we are launching could somehow protect him and make sure that he doesn’t accidentally get put in harm’s way. I mean that kind of thing makes me feel pretty good.”
High School receives CyberPatrol V laptops from AEDC representatives

By Raquel March
(AFNS)

Representatives from Arnold Engineering Development Complex’s (AEDC) Science, Technology, Engineering, and Mathematics (STEM) center recently visited the Coffee County Central High School Air Force Junior ROTC (AFJROTC) to loan CyberPatrol V laptops for their CyberPatrol V team.

CyberPatrol V is a national defense competition created to inspire high school students toward careers in cybersecurity or other STEM disciplines critical to the nation’s future. AEDC’s STEM center is a sponsor for the high school’s CyberPatrol V team. Michael Glennon, AEDC STEM Educational Outreach Specialist, conducts technical management teams, mentors the team providing technical support to the operating systems (OS) students, and teaches cybersecurity.

The CyberPatrol program will provide training in US configurations for cadets in practice to fix vulnerabilities in the exam scenario, "October."

Glen- mond said, "Competition will begin in November with state AFJROTC units. During competitions students are provided one to three vulnerable systems. The machines contain several vulnerabilities that students must identify and defend against. CyberPatrol V was cre-

tablished by the Air Force Science, Technology, and Innovation Corporation (SAIC) and the Center for Information Assurance & Security (CIAS) at the University of Texas-San Antonio.

AIA-NDIA STEM Summit Youth

The LAN Science, Technology, Engineering and Mathematics (STEM) Academy and Hardin Valley Academy of Knoxville, Tenn. recently toured Arnold Engineering Development Complex (AEDC) while attending the National Defense Industrial Association (NDIA) STEM Monocle Summit Seminar at the University of Tennessee Space Institute. Capt. John Dayton (far left), AEDC’s Turbine Engine Ground Test facility commander, explains how the students get hands on experience with material in the classroom. AEDC STEM Educational Outreach Specialist; Angela Gribble, CCCHS vice principal; Lt. Col. Philip Bailey, School’s CyberPatriot V team. Pictured left to right is Jere Matty, representatives from the AEDC STEM center recently loaned CyberPatriot V laptops to the Coffee County Central High School (CCCHS) AFJROTC Junior (AFJROTC) CyberPatrol V team. Pictured left to right are Jere Matty, AEDC STEM Educational Outreach Specialist; Angela Gribble, CCCHS vice principal; Lt. Col. Philip Bailey, CCCHS AFJROTC Senior Aerospace Science Instructor; Cadet Maj. Kevin Kaufman, CCCHS AFJROTC cadre captain; and Michael Glennon, AEDC STEM Educational Outreach Specialist; Angela Gribble, CCCHS vice principal; Lt. Col. Philip Bailey, CCCHS AFJROTC Senior Aerospace Science Instructor; Cadet Maj. Kevin Kaufman, CCCHS AFJROTC cadre captain; and Michael Glennon, AEDC STEM Educational Outreach Specialist.

Although our plans and vision for CyberPatrol V have been broad and nimble, we can still offer support to the idea and support up to the idea and support for the idea. The event will be offered again in the future, so be sure to have a plan to keep support up to date.

In 1986, Iraqi air force Brig. Gen. Abdulhussein Ali Lafta Ali flew Soviet-era MiG-21s but said he dreamed of flying the F-16. Now visiting Tucson as part of the desert fighter pilot training experience specializing on the Ar-

powerful flight engine. The Nor- throp Grumman Foundation is the presenting sponsor for the fifth phase of the program, CyberPatrol V. The event will be offered again in the future, so be sure to have a plan to keep support up to date.

The students get the best possible flight education at "AIA 2012," said Air Force Lt. Col. Donald Taylor. "Our MAFFS, which have reported back to their home stations, very busy season and know that they still have to, we can fight to protect our nation's freedom."

The California Air National Guard’s 146th Airlift Wing released the two MAFFS-equipped C-130H Air Tanker Base, Calif., for the last few weeks.

On Sept. 2, two C-130s from the Wyoming Air Na- tional Guard’s 153rd Airlift Wing were released from MAFFS operations in Idaho. Two C-130s from the Air Force Reserve Com- mand’s 320th Airlift Wing were released from duty over the fire season.

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Local Air Force Sergeants Association honors all Airman with annual bike-a-thon at AEDC

By Philip LaRue III

AEDC AFB Commander Col. Ray Totty fired the starting pistol for 1260 cyclists who participated in the third annual bike-a-thon to honor the memory of Tech. Sgt. Gene Jobe, a 21-year career Air Force member and a father-in-law of former AEDC chaplain, Maj. Paul Gunn. Many of the cyclists, of all who work at the Arnold Engineering Development Complex, have participated in all or most of the previous bike-a-thons since its inception in 2009. (Photo by Jacqueline Cowan)

By Lisa Daniel

American Forces Press Service

WASHINGTON

(APS) - Caregivers, National Guard and Reserve support and sports for the wounded were honored by the Defense Department and other organizations.

The theme of this year’s event was “optimize your potential.” The Warrior-Family Symposium, sponsored by the United States Army Wounded Warrior Program, the Fisher House Foundation, and the Fisher House Foundation, was held at AEDC’s Arnold AFB every year. The symposium featured a variety of panels and speakers, including military and civilian experts, who discussed issues related to the care and support of wounded warriors and their families.

Keynote speakers and panelists included retired Marine gunnery sergeant Robert Spanky Gibson, who shared his personal story of recovery after being injured in the Iraq War. Gibson encouraged the audience to find ways to support wounded warriors and their families.

Another panelist, retired Navy Petty Officer 1st Class Benjamin Host, was with the Navy in the Gulf War and the first year of the Iraq War. He shared his story of injury and recovery, and how he was able to return to work and give back to the military community.

The symposium also featured a bike-a-thon, which was sponsored by the Fisher House Foundation. The bike-a-thon was held to honor the memory of Tech. Sgt. Gene Jobe, a 21-year career Air Force member and a father-in-law of former AEDC chaplain, Maj. Paul Gunn. Many of the cyclists, of all who work at the Arnold Engineering Development Complex, have participated in all or most of the previous bike-a-thons since its inception in 2009.

By Mike Mandel

American Forces Press Service

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E D W A R D S A I R F O R C E B A S E, Calif. — The short take-off and vertical landing variant of the F-35 Lightning II Joint Strike Fighter completed a major pre-test flight for in-flight performance Aug. 15.

BF-2 completed the first air starts, which test the ability of the F-35’s propulsion system to restart during flight. Verifying the restart capability of the propulsion system is part of the initial flight test program for the F-35 and a prerequisite for high angle-of-attack testing, scheduled to start next year.

“High angle-of-attack, tests are important for us to fully evaluate the aircraft’s handling characteristics and, like many other capabilities,” said Marine Lt. Col. Matthew Kelly, “maximizing the performance of the airplane around the very slow edges of the flight envelope is probably some of the most challenging testing we will conduct. After we get through it, we’ll know a lot more about how this aircraft will perform during combat within its normal range.”

Using multiple restart methods during the tests, BF-2 successfully completed 27 air starts at various altitudes.

To execute air start testing, the F-35 Integrated Test Force at Naval Air Station Patuxent River ferried BF-2 and an F/A-18 cruise aircraft from Air Test and Evaluation Squadron VX-23 to the F-35A testing facility at Edwards AFB.

“At Edwards, we have a unique testing range, which provides ideal and controlled conditions for completing air start testing.” The Edwards range is comprised of 20,000 square miles of airspace, and has 65 linear miles of navigable landing areas on Rogers and Rosamond Dry Lakes, if required during engine out testing,” said Lt. Col. George N. Schwartz, commander of the 461st Flight Test Squadron and Government Site Director.

“In addition, we’ve recently completed air start testing on the F-35A, so we’re able to share some of our expertise with the Pax team as well.”

The core of the F-35B’s propulsion system is the F135 engine, capable of more than 40,000 pounds of thrust.

“The F-135 continues to power a successful flight test program,” said Roy Hauck, Pratt & Whitney site lead at the F-35 Patuxent River ITF. “The aircraft and its integrated systems demonstrated intentional flameout and successful recovery scenarios during air start flight tests, and BF-2 and the team did a great job of it.”

A team of approximately 60 ITF and VX-23 personnel provided engineering and maintenance requirements for the events.

“The detachment to Edwards from NAS Patuxent River overlapped with a busy summer flight testing schedule.

“In the past two months, we’ve sent detachments to Edwards and Lakehurst (N.J.), and maintained a full tempo test schedule here,” said Capt. Erik Elz, director of test for F-35 naval variants at NAS Patuxent River.

“The team of military, government and industry personnel helped to make sure all the events happen, and they can be proud of their contribution.”

The F-35B is the variant of the Joint Strike Fighter designated for use by U.S. Marine Corps, as well as F-35 international partners in the United Kingdom and Italy. The F-35B is capable of short take-off and vertical landing to provide air support to carriers and expeditionary airfields. The F-35B is undertaking initial testing and evaluation at NAS Patuxent River prior to delivery to the fleet.

F-35B completes first airborne engine start tests

By Amber Ballie

Academy solar panels save taxpayers $800K in first year

U.S. AIR FORCE ACADEMY, Colo. — After a year of operation, the data is in. The Academy has received roughly seven and half percent more power than anticipated from the 6-megawatt solar array project that began production last summer.

A total of 18,888 solar panels were installed along 41 acres on the Academy’s southeast corner and began operation for renewable energy on July 1, 2011. Since then, the project has provided the Academy 12.5 million kilowatt hours in power when it was originally estimated to provide only 11.6 million kilowatt hours in power.

“The project is finished and now we’re reaping the benefits from it,” said Russ Hume, a mechanical engineer with the Academy’s Directorate of Installations. “We’re making sure it produces within a reasonable measure of what we anticipated and we’re above what we predicted, so that’s good news.”

The $18.3-million project was awarded to Colorado Springs Utilities who subcontracted to SolarPower Corp. In August 2009 through funds from the American Recovery and Reinvestment Act. Also in 2009, the Academy was chosen as one of six zero net install for the Air Force, and this project is one way the Academy has strived to meet the energy goals of the Department’s Net Zero Energy Installation Initiative.

“The panels have produced 12 percent of the Academy’s overall electricity needs,” Hume said. “As we’ve matured our solar energy is relatively easy to produce, but thermal energy is much more common to produce, but thermal energy is much more common to produce, but thermal energy is much more common.

“The panels are producing 12 percent of the Academy’s overall electricity needs,” Hume said. “As we’ve matured our solar energy is relatively easy to produce, but thermal energy is much more common.

“The economic life of the solar panels is 30 years, Hume said.

“Expensive onsite generation projects are ongoing as we try to incorporate more renewable resources on the mission.”
Through Airmen’s Eyes: Unconventional repairs

WHITEMAN AIR FORCE BASE, Mo. (AFNS) - This feature is part of the "Through Airmen’s Eyes" series on AF mil. These stories focus on a single Airman, highlighting their Air Force story.

While one deployment, everyone on base comes to realize how important every other job is because you can’t do your job without the other shops doing theirs.

Tech. Sgt. Kenneth Wright, 509th Logistics Readiness Squadron vehicle maintenance low bay NCO in-charge, had an under-appreciated job that became much more appreciated while he was deployed to Afghanistan from June 2011 through March 2012.

Wright had many jobs during his deployment. He was one of three mechanics responsible for a fleet of 58 vehicles, and he was in charge of training and licensing all members of the team, both Army and Air Force, to operate vehicles on the base. He also managed the Army’s vault tracking system. Wright’s mission while deployed was similar to the one he has here at Whiteman, just with much less intensity and constant threats from opposing forces.

“We had to keep the fleet up and running, providing the maximum amount of protection capable for the members leaving on outside the wire missions,” Wright said. “I also provided security on many missions I would go on, helping to ensure the safety of whoever was conducting the mission at the time, which is something I would never do whilst at Whiteman.”

Every day was unique for Wright as his day-to-day duties were constantly changing. “If we had a mission or meeting we would be at work early getting our briefs,” Wright said. “Otherwise we would head in and begin working on vehicles. We also conducted foot patrols from the base to provide security for key individuals.”

One of the biggest differences of his deployment was the amount of protection available. “A lot of the repairs we had to do were unconventional,” Wright said.

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As part of the "Through Airmen’s Eyes: Unconventional repairs" series, this is part of the "Through Airmen’s Eyes: Unconventional repairs" series on AF mil. These stories focus on a single Airman, highlighting their Air Force story.

Tech. Sgt. Kenneth Wright takes part in a security patrol during his deployment to Afghanistan. Wright is assigned to the 509th Logistics Readiness Squadron on the Air Force, to operate vehicles on the base. He was deployed from June 2011 until March 2012. (Courtesy Photo)

AFLINK mobile app keeps people connected to everything Air Force

FORT GORDON, Ga. (AFNS) - Two Army veterans are making contact and keeping up with the latest news and information has never been easier for America’s Airmen.

On the Air Force’s 65th birthday, Sept. 18, officials announced that the service has released a mobile app designed to keep Airmen, veterans, retirees and the public informed about the latest happenings around the force.

The AFLINK mobile app for phones and tablet computers aggregates up-to-the-minute content including headlines from the official Air Force website, Airmen magazine, Air Force Blue Tube, the AF Week in Photos, Air Force Inventory and cinematic music from the Air Force Band; it also allows sharing through Facebook, Twitter and more.

“As there are so many apps out there these days that it’s tough to choose which ones to keep on your phone or iPad,” said Airman 1st Class Zach Vocci, a beta tester who reviewed the app during development. “It’s always updated with the latest Air Force news, awesome photos and new videos. Whether you’re on the go in the Air Force or even thinking about joining up, this app will keep you informed.”

AFLINK is free and available now for down load. It is presented in several languages on the Apple App Store and the Google Play Store for Android. It is available worldwide via these online stores so that Airmen stationed overseas can also stay connected.

“This handy app will change the way Airmen and anyone interested in the U.S. Air Force will get the latest news and factual information about the service,” said James Pritchett, deputy director of Air Force Production. “One of the most useful features in the Air Force Inventory section is not only has beautiful photos and graphs of the aircraft and other Air Force hardware, it also gives you historical reference and up-to-date details about each piece of equipment.

In the past, we had to wait a year for publication of an annual almanac or wait until you could get to a computer to get all this info in one place,” Pritchett said. “Today, AFLINK provides all this information at your fingertips, wherever you are in the world.”

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By Capt. Martha L. Petersante

Air Force tanker crew assists stricken jet fighter

JTACs, the other jet.”

This day, however, proud to be anything but normal as the crew found themselves in an unusual situation, literally acting as a wingman to a much smaller fighter jet in trouble.

Capt. Michael Thomson, a 22 EARS pilot who was acting as an observer during this mission, said the day was part of standard operations in the assigned area.

As the crew prepared to support their last regularly scheduled fighter aircraft, a radio transmission from the lead aircraft, apprised the team of a sudden change in the mission and departed the tanker aircraft for a recent refueling attempt.

“This day, however, moments passed as the lead explained they hadn’t seen our aircraft, the refueling position when we arrived, sent messages to contact the fighter jet’s pilot, establishing clearer communications. 

What can we do and how can we support?” we prepared for any scenario and ensured we were able to provide immediate support, Wardlaw said.

“We didn’t have to do anything,” Thomson said. “That support of coalition service members on the ground, and our Airmen – officer, citizen – play their part in cyber, we will need to be prepared to face challenges and accept the responsibility of change. In the cyber domain, we cannot just focus on protecting our systems, but must also pay attention to understanding the integration and relevance of air and space power together. Without a proper command and control structure, we couldn’t have delivered the refueling support needed. 

The Liberators delivered during crunch time, providing the aircraft with a steady flow of fuel and maintaining fuel during the aircraft’s next mission.

How do we prepare in flight emergency scenarios? The networked data and information that flows through it is invaluable, especially as we develop better computer systems. The current situation is the integration of various systems to create a stronger and more secure cyber domain.

Still, Matthews said, the cyber domain wouldn’t be possible without “growing and fostering premier cyber space aircrew – whose training gives them a well-rounded understanding of the domain,fostering premier cyber space aircrew – whose training gives them a well-rounded understanding of the domain.

As the service continues to embrace innovation and face challenges in the cyber, we will need to consider that all of us are answering for every service member in the cyber domain.”

Matthews and many of our Airmen – officers, civilians and enlisted – are carrying the burden of the demands of operation in the cyber space, Jordan added.

By Staff Sgt. Amanda Dick

Air Force officials outline cyber capabilities in today’s fight

WASHINGTON (AFNS) – The Air Force’s chief information officer and chief of computer networks discussed the service’s cyber capabilities and their importance in the joint fight during the Air Force Cyberspace Symposium, a biennial event that is in conjunction with the Air Force Association’s Air and Space Conference and Technology Exposition here Sept. 18.

“Every one of us works, plays, learns, teaches and operates cyber through our unique role, whether it be in the air, on the ground or directed from the command center. As our Airmen are the most knowledgeable, we will need to partner with our joint brothers and sisters to create a stronger and more interoperable cyber team. The Air Force, according to Matthews, must also partner with other services to enhance their knowledge regarding the joint information environment and joint aerial network layer that each service must understand to clearly understand the joint fight and fuel while coordinating the aircraft to the astern request,” he said.

The Liberators delivered during crunch time, providing the aircraft with a steady flow of fuel and maintaining fuel during the aircraft’s next mission.

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AF pilot helps Iraqis earn their wings

By Airman 1st Class Nathan Maysonet

LAUGHLIN AIR FORCE BASE, Texas (AFNS) — Mounted in an armored suburban with a pistol at his side, one of Laughlin’s own begins his sky in Iraq checking in on classes miles apart, filled with students not unlike those he left in Texas thousands of miles from home.

Lt. Col Chris Lachance, from Laughlin’s 85th Flying Training Squadron, is one of a handful of American contractors working to ensure that Iraqi Air Force units at Al Safira Airfield in Tikrit are getting the level of training they need to protect their skies.

“I look at the big picture of the Iraqi training mission from here to see if they are being taught and properly engaged by the American contractors and Iraqi instructors,” Lachance said.

“This is a feedback loop,” he said. “It’s making sure Iraq is getting the training they need to protect their skies.”

The training, which was originally sponsored by the U.S., now lies in the hands of contractors and Iraqi instructors.

“I make sure Iraq is getting what it pays for,” said Lachance.

The contractor, which operates the MMR, has some of the best wind resources in the world. However, the wind in Iraq is different than 250 flights at Laughlin’s airfield, the busiest in the Air Force.

Additionally, the T-6 Texan II, which is used by both countries in a variety of roles to each, he explained.

“But the pace has led to a good partnership that will give us friends for life.”

The wind turbine project will help the Air Force meet its renewable energy goal of 25 percent by 2025,” said Fox Tennessee, AFSPC energy analyst and project manager. “The Air Force will get double credit for the wind energy project on the Air Force portion of the site, using the power in accordance with the Energy Policy Act of 2005.”

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AF pilot helps Iraqis earn their wings
The Fitness Center will have changes in the new fiscal year to include new hours, new classes, modifications and revisions to the sports program. Starting Oct. 1, the Fitness Center will have new hours open 5 a.m. – 7:30 p.m. Monday – Friday, 9 a.m. – 1 p.m. Saturday and closed Sunday.

Want to boost your metabolism and burn calories at the same time? The Fitness Center staff has a new class for you. Interval training will be 3:30-4:30 p.m. on Tuesday and Thursday for a half day in October. All participants will be limited to light weight, kettlebells, bands, and a variety of other equipment during intervals of varying intensity to promote overall fitness and functionality.

Boo! Camp, Cycling and Yoga will continue with only minor changes. Yoga will continue to be held 11 a.m. – 12 p.m. Monday, Wednesday and Friday; however, Friday’s class will now be by video instruction. Cycling will be 11 a.m. – 12 p.m. Monday, Tuesday and Thursday with Tuesday’s class now being instructed by video lecture. Boot Camp will maintain 6 a.m. – 7 a.m. timeframe on Monday, Wednesday and Friday.

New classes on the horizon include Kettlebell and Crossfit. Kettlebell training utilizing a weight resembling a cannonball with a handle and develops strength, power, flexibility and overall conditioning. Crossfit is a high intensity workout that focuses on strength and conditioning. The Fitness Center will also offer a new 10-mile run event in Kettlebell and Crossfit.

Group classes include free: All membership levels, active duty, guard, reserve or retired, and Department of Oceans (NO) employees only. All AEDC employees must be a Services Members First Plus member to become eligible.

Another change for the new fiscal year will be the Intramural Sports Programs. Volleyball and Basketball will be offered by the only team sports offered and are called Single Round Robin events. The format will vary, however, all teams will play every other team once and whoever has the most wins will be declared the winner. Single Round Robin Basketball tournaments are due 24, Women’s tournaments will take place on Tuesday evening and open (co-ed) teams must play on Tuesdays. Single Round Robin Basketball tournaments are due Dec. 17, with games starting Jan. 15. Games are played at 3 p.m. and 6 p.m. Cost is $25 for USA Volleyball or NCAA rules and AEDC employees are required to play with a Services member.

The Extramural League Sports Program will have changes coming later in the year. Golf will continue play at Arnold Golf Course beginning in April. Forty four-person teams will play either Monday or Tuesday for 19 weeks. Golfers who do not meet minimum foursome requirements at Arnold Golf Course will be required to pay one additional entry fee.

New sports being added to the extramural programs include archery and paintball. Watch for more details on these events coming soon.

All AEDC employees are eligible to participate in Single Round Robin sports programs. A limited number of off-base players may be added in order to have a more competitive experience. Call 454-6440 for complete rules, information and to sign up.

In addition to the classes and sports mentioned above, the Fitness Center has a variety of programs along with certified fitness professionals.
### Hours of operation

<table>
<thead>
<tr>
<th>Establishment</th>
<th>Hours of Operation</th>
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<tr>
<td>Wingo Inn</td>
<td>Monday through Friday 7 a.m. – 6 p.m., Saturday and Sunday 8 a.m. – 4 p.m.</td>
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<td>Mulligan's Coffee Bar &amp; Grill</td>
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October Movie Schedule

Movie nights are Thursdays with movie start time of 6:30 p.m. and end approximately 9:30 p.m.

October 4
• Madea’s Witness Protection, rated PG-13 (1 hr. 54 min.) starring Tyler Perry, Eugene Levy and Denise Richards.

October 11
• Snow White and the Huntsman, rated PG-13 (2 hr. 16 min.) starring Kristen Stewart, Chris Hemsworth and Charlize Theron.

October 18
• “The Amazing Spiderman,” rated PG-13 (2 hr. 16 min.) starring Andrew Garfield, Emma Stone and Rhys Ifans.

October 25
• “The Amazing Spiderman,” rated PG-13 (2 hr. 16 min.) starring Andrew Garfield, Emma Stone and Rhys Ifans.

Check us out on Facebook! Arnold AFB Services Wingo Inn

Reservations for Wingo Inn can be made 120 days in advance. Room rates start at $39 per night. Please call 454-3051 for reservations.

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

Wingo Inn
454-3051

• H3

September 12, 2012 • H3

Recycling Cardboard

Remember to make sure boxes are empty. Breaking down will prevent leaving something in the box.

Any kind of box may be recycled on base.

Call for pick up of large amounts of cardboard.